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July 14, 2014

Mr. Don Heller
U.S. Environmental Protection Agency, Region 5
Land and Chemicals Division
77 West Jackson Blvd., LU-9J
Chicago, IL 60604-3507

RE: Second Quarter 2014 Progress Report
RCRA Corrective Action
General Motors at Allison Transmission, Speedway, IN
USEPA ID Nos. IND006413348 and IND000806828

Dear Mr. Heller:

The attached progress report is submitted on behalf of General Motors LLC (GM), in accordance with the requirements of the Performance-Based Corrective Action Agreement between the U.S. Environmental Protection Agency Region 5 (USEPA) and General Motors Corporation. The progress report covers the second quarter of 2014 (April 1, 2014 through June 30, 2014).

Please contact me if you would like to discuss this matter further. Thank you.

Sincerely,

David M. Favero, P.G.
Project Manager

Attachment A – Second Quarter 2014 Progress Report

C: Glynda Oakes, IDEM Office of Land Quality (via e-mail)
Adam Rickert/Pam Thevenow, Marion County Health Department (via e-mail)
Marilyn Dedyne, GM (via e-mail)
Teresa Colson, Allison Transmission, Inc. (via e-mail)
Speedway Library (Public Information Repository) (CD)

ATTACHMENT A
SECOND QUARTER 2014 PROGRESS REPORT
PERFORMANCE-BASED RCRA CORRECTIVE ACTION
ALLISON TRANSMISSION
APRIL 1, 2014 THROUGH JUNE 30, 2014

WORK PERFORMED THIS QUARTER

- Completed groundwater sampling for the semi-annual performance monitoring at the Facility on April 3, 2014. The data is summarized in the enclosed *RCRA Corrective Action Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014*.

- Prepared and submitted to USEPA on April 11, 2014, *General Motors RCRA Corrective Action at Allison Transmission, MW-0102-S2 Area Investigation, December 2013 – January 2014* summarizing geologic information and groundwater sampling results from three monitoring wells south of Plant 12 (i.e., MW-0102-S2 Area investigation).

- Prepared and submitted to USEPA on April 14, 2014, the *First Quarter 2014 Progress Report*, RCRA Corrective Action, Allison Transmission, Speedway, IN, USEPA ID Nos. IND006413348 and IND000806828.

- Met in Chicago with USEPA, General Motors LLC, Favero Geosciences, ARCADIS, U.S., Inc., ENVIRON International Corporation, Allison Transmission Inc., and TRC on April 23, 2014. Prepared and submitted summary of meeting to USEPA on May 9, 2014.

- Prepared and submitted to USEPA on May 12, 2014, the *General Motors RCRA Corrective Action at Allison Transmission, Performance Evaluation of SVE Systems at Plant 14 (AOIs 42/43) and Plant 12 (AOI 51) Based on Sub-slab Pressure.*

- Prepared and submitted to USEPA on May 28, 2014, a summary of documents located on the Indiana Department of Environmental Management's Virtual File Cabinet for properties in the vicinity of former Plant 2.

- Updated and re-submitted drafts of the following reports to USEPA on June 20, 2014:

    - *RCRA Corrective Action Corrective Measures Proposal*, General Motors LLC at Allison Transmission, Inc., Plants 3, 12 and 14: EPA ID IND006413348

    - *Operation, Maintenance and Monitoring Plan*, RCRA Corrective Action at Allison Transmission, Inc., Plants 3, 4, 6, 7, 12, 14 and 16: EPA ID IND006413348 and IND000806802

- Supplemental Information to Support the Groundwater Investigation, Including the Environmental Indicator (EI) RCRIS code (CA750) Allison Transmission (Plants 3, 12, and 14) Indianapolis and Speedway, Indiana

- Continued operation and maintenance of interim measures: SVE/groundwater recovery system at the Plant 12 Former Degreaser Area (AOI 51) and the Plume Extension Groundwater Extraction System, passive free product recovery and groundwater recovery related to the diesel fuel impacted groundwater plume (AOI 40), LNAPL skimming at the waste treatment area (AOI 19), passive free product recovery at the Transmission Test Assembly Area (AOI 53) and SVE at AOIs 42/43.

DATA AVAILABLE DURING THIS QUARTER

- Analytical results from monitoring air emissions from the Plant 12 former degreaser area and AOI 42/43 SVE exhaust stacks (included in the enclosed *RCRA Corrective Action Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014*).

- Analytical results of effluent from the pretreatment of recovered groundwater from the diesel fuel plume (Outfall 003) and effluent from the treatment of recovered groundwater from the Plant 12 Former Degreaser Area (Outfall 004) (included in the enclosed *RCRA Corrective Action Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014*).

- Analytical results from the spring semi-annual groundwater monitoring event (included in the enclosed *RCRA Corrective Action Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014*).

PROBLEMS ENCOUNTERED

- None

SUMMARY OF PROBLEM RESOLUTION

- NA

POTENTIAL PROBLEMS

- None.

ESTIMATED PERCENT COMPLETE FOR SELECTED ACTIVITIES

• DOCC	100%
• Public Participation Plan	100%
• RFI Work Plan	100%
• RFI Phase I Implementation	100%
• RFI Data Report (through Phase I data)	100%
• RFI Phase II Implementation	100%
• RFI Data Report (updated to include Phase II data)	100%
• RFI Phase III Implementation	100%
• Plant 12 Former Degreaser Area (AOI 51) Downgradient Groundwater Migration Control Interim Measures Work Plan	100%
• Plant 12 Former Degreaser Area (AOI 51) Downgradient Groundwater Migration Control Interim Measures Implementation	100%
• AOI 19 Interim Measures Work Plan	100%
• AOI 19 Interim Measures Implementation	100%
• Draft RFI Report	100%
• Final RFI Report - Submitted February 20, 2009 and approved by USEPA on September 7, 2011	100%
• Environmental Indicator Human Health - CA725 Determination (Due by March 31, 2008 and Submitted on March 28, 2008); Resubmitted on July 1, 2008 and approved by USEPA on	100%

September 25, 2008

- Environmental Indicator Groundwater Migration 100%
  – CA750 Determination (Due by March 31, 2008 and Submitted on March 28, 2008); believed to be approved by USEPA on December 15, 2011 but no approval documentation available, so an updated CA750 Determination was submitted on September 30, 2013

- Sampling to Support Corrective Measures Proposal and Confirm RFI Results 100%

- Data Report for Additional Sampling 100%

- AOI 2-1 Interim Measures Work Plan 100%
  - Approved by USEPA on November 6, 2008

- AOI 2-1 Interim Measures Implementation 100%

- Stage II Additional Sampling to Support the Corrective Measures Proposal and to Support Evaluation of Interim Measures System Performance 100%

- Data Report For Stage II Additional Sampling 100%
  - Submitted March 27, 2009

- Stage III Sampling Matrix 100%
  - Submitted June 19, 2009

- Stage III Additional Sampling Implementation 100%

- Data Report For Stage III Additional Sampling 100%

- Corrective Measures Proposal 100%
  - Revised due date; March 31, 2009; Submitted March 31, 2009

- Updates to Corrective Measures Proposal for Main Campus 100%
  - Revised CMP for Main Campus submitted June 28, 2013

- USEPA Requested Supplemental Corrective Measures Evaluation for Former Plant 2 100%
  - Draft submitted to USEPA on December 12, 2011
  - Revised CMP for Plant 2 submitted April 12, 2013

- MW-0102-S2 Subsurface Investigation 99%
  - Work Plan Submitted to USEPA (May 26, 2011)
  - Phase I Investigation (March 2012)
  - Data Report Submitted to USEPA (April 20, 2012)
  - Phase II Investigation (April/May 2012)
  - Data Report Submitted to USEPA (June 15, 2012)
  - Phase III Investigation (July 2012)
  - Data Report Submitted to USEPA (August 30, 2012)
  - Installation of six new wells (Sept/Oct 2012)
  - Data Report Submitted to USEPA (October 30, 2012)
  - Proposal Submitted to USEPA to install four additional wells (March 4, 2013)
  - Installation of two new monitoring wells in lower portion of S2 unit (September 9, 2013) (Note the other two wells proposed in March 2013 were not installed as access was denied to the proposed well locations on private property)
  - Installation of five soil borings and borehole water samples (December 2013)
  - Installation of proposed additional monitoring well (January 2013)
  - Submited updated investigation summary report (April 2014)

- MW-0702-S2 Subsurface Investigation (Former Plant 2) 100%
  - Notified USEPA of Phase I Proposed Investigation (February 15, 2012)
  - Phase I Investigation (May 2012)
  - Data Report Submitted to USEPA (June 15, 2012)
  - Phase II Investigation (July 2012)
  - Data Report Submitted to USEPA (September 28, 2012)

- Allison Excavation Investigation Southwest of 10th and Main Streets 100%
  - Allison notified IDEM of stained soil on July 19, 2012 and IDEM assigned incident #30123
  - Memo Submitted to USEPA (September 20, 2012) summarizing an excavation that Allison Transmission completed on their property and evaluation of staining identified
  - Subsurface Investigation (September and October 2012)
  - Data Report Submitted to USEPA (November 14, 2012)

- Interim Measures for AOIs 42 & 43 (Plant 14) and Supplementing the SVE system at Plant 12 100%

- System Startup and Shakedown completed on April 4, 2013

- Interim Measures expansion for AOI 51 (Plume Extension Groundwater Recovery) 100%
  - Recovery Well installation (November 23, 2013)
  - Connection to existing remediation system (December 2013)
  - System Startup and Shakedown completed in First Quarter 2014

- Operation, Monitoring and Maintenance of Interim Measures
  [Note that the estimated percent complete for these interim measures are only intended to be rough approximations and are subject to revision based on review of monitoring data. Discontinuing operation of any of these interim measures will be coordinated with USEPA and will be based on a review of monitoring data and evaluation of appropriate risk-based end points, if applicable.]
  - Plant 12 PCE Soil Vapor Extraction System 81%
  - Plant 12 PCE Groundwater Recovery System 25%
  - Plant 12 Transmission Test Assembly Area* 0%
  - Diesel Fuel Plume Recovery System 74%
  - Waste Treatment LNAPL Recovery System 90%
  - Plant 14 PCE Soil Vapor Extraction System 10%

* Continued LNAPL recovery from MW-0205-S2A has been proposed so the listed percentage has been set at zero based on an assumed five year recovery period.

SUMMARY OF CONTACTS WITH INTERESTED PARTIES

- Provided the following documents to the public information repository this quarter:

  - *First Quarter 2014 Progress Report*, RCRA Corrective Action, Allison Transmission, Inc., Speedway, IN, USEPA ID Nos. IND000806828 and IND006413348, January 14, 2014

  - *General Motors RCRA Corrective Action at Allison Transmission, MW-0102-S2 Area Investigation, December 2013 – January 2014,* April 11, 2014

CHANGES IN PERSONNEL

- None

PROJECTED WORK FOR NEXT REPORTING PERIOD

- Revise, if necessary, the Main Campus or Plant 2 Corrective Measures Proposals, or the *Operation, Maintenance and Monitoring (OMM) Plan* for the proposed corrective measures identified in the Main Campus Corrective Measures Proposal upon receipt of comments from USEPA. Timing of any revisions or responses to USEPA comments is dependent upon USEPA comments, if any.

- Finalize and submit a renewal Industrial Discharge Permit application for discharge from Diesel Fuel Plume Groundwater Recovery System and Plant 12 Former Degreaser Area.

- Sample monitoring well MW-0420-S2A to evaluate analytical results from a sample collected in April 2014 and evaluate modifications to recovery well flow rates upgradient from this well.

- Prepare responses, summaries of meetings, data reviews, or other conference calls with USEPA, as appropriate.

- Perform routine (and non-routine as needed), operation, monitoring and maintenance for operating remediation systems.

*****

Enclosure

RCRA Corrective Action Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014, ARCADIS, July 14, 2014.

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Infrastructure · Water · Environment · Buildings

Imagine the result

RCRA Corrective Action Interim Measures Semi-Annual Remediation Status & Groundwater Monitoring Report- First Half 2014

General Motors LLC at Allison Transmission

Plants 3, 12, and 14: EPA ID IND006413348
Former Plant 2: EPA ID IND000806828

July 14, 2014

ARCADIS

Heather Gastineau-Lyons, L.P.G.
Project Geologist

for

Eric Moosbrugger, P. E.
Project Engineer

Sarah E. Fisher
Senior Scientist

RCRA Corrective Action Interim Measures Semi-Annual Remediation Status & Groundwater Monitoring Report- First Half 2014

General Motors LLC at Allison Transmission
Plants 3, 12, and 14:
EPA ID IND006413348

Former Plant 2: EPA ID IND000806828

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Date:
July 14, 2014

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Executive Summary

On March 18, 2014, depth to groundwater was measured in 173 monitoring wells at the Site to obtain site-specific groundwater flow patterns in the S2 sand unit for the entire site and for the S3 sand unit at Plants 12 and 14. On April 3, 2014, groundwater samples were collected from 36 monitoring wells as part of the on-going evaluation for the AOI 51 SVE and Groundwater Recovery System. Groundwater sampling was performed utilizing passive diffusion bags (PDBs). All groundwater samples were analyzed for volatile organic compounds (VOCs) via USEPA SW-846 Method 8260. Additionally, on January 14, 2014, one monitoring well (MW-0630-S3) was sampled utilizing a PDB bag and analyzed for VOCs via USEPA SW-846 Method 8260. This location was inadvertently missed during the fall 2013 sampling event.

The Diesel Fuel Plume Groundwater Recovery System (AOI 40) has been in operation since 1973. During the first half of 2014, the weekly inspections of the containment boom at Big Eagle Creek have resulted in no observations of sheen within or outside of the containment boom in the creek, and the run-time for the diesel system over the six month period was 95%. Since performing an upgrade in 2001, approximately 34.1 million gallons of groundwater (approximately 7,100 gallons per day) have been recovered from nine recovery wells. In October 2005, the recovery system was further upgraded to allow for pre-treatment of the impacted groundwater and subsequent discharge to the Town of Speedway sanitary sewer system. Since the October 2005 upgrade, approximately 23.9 million gallons of pre-treated groundwater have been discharged to the Town of Speedway's sanitary sewer system. From January 2014 through June 2014, the Diesel Fuel Plume Recovery System removed an estimated 1,273 pounds of total petroleum hydrocarbons (TPH) – Diesel Range Organics (DRO). Since the upgrade in 2001, the estimated cumulative total TPH-DRO removed is 103,500 pounds or 14,600 gallons (based on a specific gravity of 0.85).

The AOI 42/43 soil vapor extraction (SVE) system was installed at Plant 14 to prevent both vapor intrusion and to remove PCE mass from the shallow soils. The SVE remediation enclosure/equipment was built off-Site and delivered on February 6, 2013. On April 4, 2013 the SVE system was activated. From system startup through June 2014, approximately 1,887 pounds of vapor phase PCE have been removed.

The AOI 51 SVE system installed at Plant 12 for the removal of PCE from the shallow soils in the vicinity of the former degreaser area has been in operation since October 30, 2003. From system startup in October 2003 through June 2014, approximately 29,336 pounds of vapor phase PCE have been removed, which includes

approximately 234.8 pounds in the first half of 2014. The dense non-aqueous phase liquid (DNAPL) recovery system was installed in October 2003; however, this portion of the system was initially operated on a limited capacity. In February 2005, the DNAPL recovery component of the system was temporarily shut down to allow for the installation of a groundwater extraction and treatment system, incorporating the source area wells and down-gradient recovery wells. The expanded system start-up began on September 7, 2007. The start-up incorporated only the extraction and treatment of groundwater from the down-gradient recovery wells. The source area recovery wells were incorporated into the treatment system on November 28, 2007.

The objectives of the groundwater recovery system are hydraulic containment and mass removal. Since the concentration in the recovery wells varies across the Site, the pumping regime is adjusted to focus the most flow in the areas of highest concentration, while still maintaining hydraulic control. Based on system run time (98% during first half 2014) and potentiometric surface data, it appears that downgradient migration of impacted groundwater is being controlled. To date, an estimated 53.5 million gallons of total fluids with an estimated 3,240 pounds of PCE have been removed by groundwater recovery activities associated with AOI 51. Approximately 3,180 pounds of PCE have been recovered since the upgrade and restart of the system in November 2007 (1665 pounds based on groundwater analytical data from individual recovery wells and 1515 pounds from the DNAPL separator), of which approximately 28 pounds were recovered between January 2014 and June 2014 (28 pounds based on groundwater analytical and zero pounds from the DNAPL separator). However, PCE was detected in monitoring well MW-0420-S2A, which is downgradient of the recovery wells. These results require further evaluation.

A Light Non-Aqueous Phase Liquid (LNAPL) containing concentrations of polychlorinated biphenyls (PCBs) has been observed in one of the monitoring wells (MW-0413-S1) at the Waste Treatment Area (AOI 19). The installation of the LNAPL Recovery System at AOI 19 was completed in April 2009, and the system became operational on April 16, 2009. The recovered LNAPL is stored in a tank with secondary containment prior to being containerized and transported offsite for incineration in accordance with Toxic Substances Control Act (TSCA) regulations. There has been minimal measurable LNAPL in the well and therefore no LNAPL collection or shipments of waste were completed during the first half of 2014.

O&M activities associated with the Transmission Test Cell Area (AOI 53) were completed from January 2014 through June 2014. O&M included the inspection of all monitoring wells in the vicinity of the Transmission Test Cell Area for LNAPL and

placing absorbent socks in those wells where LNAPL was observed. Presently, two (2) monitoring wells have absorbent socks maintained because either measurable thickness of LNAPL or LNAPL globules and/or sheen have occasionally been observed. From January 2014 through June 2014, measurable product thickness was observed in monitoring well MW-0205-S2, and approximately 33.4 gallons LNAPL has been recovered by the absorbent socks at AOI 53, of which approximately 0.50 gallons was recovered from MW-0205-S2 alone between January 2014 and June 2014 (0.39 gallons from socks, plus estimated 0.11 gallons from manual product removal events).

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1. Introduction

ARCADIS U.S., Inc. (ARCADIS) has prepared this semi-annual status report on behalf of General Motors LLC (GM). This semi-annual status report summarizes the spring 2014 groundwater gauging and sampling event, the performance of the Waste Treatment LNAPL Recovery System at the Plant 3 Waste Treatment Area (AOI 19), the Diesel Fuel Plume Groundwater Recovery System (AOI 40), Plant 14 Heat Treat Area (AOI 42) and Cyanide/Copper Plating Area (AOI 43), and the Former Degreaser Area Soil Vapor Extraction (SVE) and Groundwater Recovery System (AOI 51) installed at Allison Transmission, Inc. (Allison). In addition, activities related to the Plant 12 Transmission Test Assembly Area (AOI 53) are also summarized. This report covers the period from January 2014 through June 2014. Drawing 1 provides legend information and Drawing 2 is a map of the Site, which depicts the specific location of the above-mentioned AOIs in addition to the monitoring wells located at the facility.

2. Groundwater Gauging

On March 18, 2014, depth to groundwater was measured in 173 monitoring wells at the Site to obtain site-specific groundwater flow patterns in the S2 sand unit and S3 sand unit at the Site, specifically at Plants 12 and 14, and in the vicinity of the Diesel Fuel Plume Groundwater Recovery System. Monitoring well MW-11-S1 could not be located during the gauging event. ARCADIS determined MW-11-S1 was apparently asphalted/paved over during Allison development work. This well will be evaluated relative to the monitoring program. In the event that it is not considered essential to the monitoring program, an attempt will be made to locate and properly abandon the well.

The March groundwater gauging data is presented in Table 1 and was used to calculate groundwater elevations at each of the monitoring wells. The groundwater elevation contours in the S2 sand unit are presented as Drawing 3. The groundwater elevation contours in the S2A, S2B and S3 sand units are presented and discussed in Section 6: Former Degreaser Area (AOI 51).

3. Groundwater Sampling Event

Groundwater sampling was performed utilizing the passive diffusion bag (PDB) method. All monitoring wells sampled and analyzed for VOCs utilized the PDBs. PDBs were deployed in 36 monitoring wells on March 18, 2014. Prior to PDB deployment, the depth to water and total depth were measured in each monitoring well to properly position the PDB. PDBs were allowed two weeks to equilibrate within the well and

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were retrieved on April 3, 2014. The groundwater samples were analyzed for VOCs in accordance with USEPA SW-846 Method 8260.

Additionally, on January 14, 2014, monitoring well MW-0630-S3 was sampled. This location was inadvertently missed during the fall 2013 sampling event. Prior to PDB deployment in monitoring well MW-0630-S3, the depth to water and total depth was measured in the monitoring well to properly position the PDB. The PDB was allowed two weeks to equilibrate within the well and was retrieved on January 14, 2014. The groundwater sample was analyzed for VOCs in accordance with USEPA SW-846 Method 8260.

VOC analytical results are summarized in Table 2. The VOC analytical results for groundwater samples collected during the First Half 2014 are provided on Drawings 4 through 7. The laboratory analytical results are provided in Appendix A, including the validation report.

Analytical results from the groundwater sampling event were generally consistent with prior events, except for MW-0402-S2A where PCE and TCE were detected. The results from that monitoring well are being further evaluated, and the well will be resampled in July 2014 for confirmation of results. Acetone was detected at concentrations below the drinking water criteria in 21 of the 38 monitoring wells sampled on April 3, 2014. Acetone identified in monitoring well results were below 100 ug/L except for in three monitoring wells: MW-0419-S2B (124 ug/L), MW-0108-S2B (100 ug/L), and MW-S2A-0501 (114 ug/L). Because acetone has not been historically identified as a Site-related contaminant, ARCADIS researched the source of these detections. ARCADIS requested that the vendor (Eon Products, Inc.) of the PDBs test the deionized water used to fill the PDBs in lot number 4012399 for the presence of acetone. The results of the deionized water is non detect for acetone, however the reporting limit is 100 ug/L. Acetone was detected at concentrations similar to those detected in the groundwater samples in the equipment blanks (EB-01(040314)-LM and EB-02(040314)-LM) collected during the April 3, 2014 sampling event. Therefore, the acetone detected during this event is not Site-related and did not originate from the groundwater samples. A few possible explanations of the acetone source are the following: 1) once the PDB bag is removed from the well, acetone from the air can diffuse through the PDB bag into the sampled water; 2) other acetone potentially from the glue or tape used for packaging of the PDB bags from the vendor; and 3) acetone could be transferred into the PDB bags during shipping or storage prior to use.

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4. Waste Treatment Area (AOI 19) – Waste Treatment LNAPL Recovery System

4.1 Background

The Waste Treatment Area (AOI 19) is located in a courtyard in the central portion of Plant 3 (Drawing 2). In 2004, as part of routine groundwater characterization activities at AOI 19, monitoring well MW-0413-S1 was installed down-gradient from the Waste Treatment Area skim basins. LNAPL was observed in monitoring well MW-0413-S1. Fingerprint characterization of the LNAPL revealed it was a heavy petroleum product (i.e., lubricating oil or mineral oil) and analytical characterization of the LNAPL identified the presence of PCBs. During the initial sampling event completed on March 3, 2006, Aroclor-1248 was detected at 14 mg/kg, during a subsequent re-sampling event completed on March 17, 2006, Aroclor-1248 was detected at 31 mg/kg. The LNAPL was more recently sampled in August 23, 2011 and February 12, 2013, and Aroclor-1248 was detected at 135 mg/kg and 53.9 mg/kg, respectively.

Numerous soil and groundwater samples have been collected and analyzed for PCBs in the vicinity of the MW-0413-S1. Additionally, monitoring wells in the vicinity of MW-0413-S1 have been gauged for LNAPL (as shown in Drawing 8). Concentrations of PCBs were not detected above site-specific soil screening criteria in soil samples collected at AOI 19, and were not detected in groundwater samples above laboratory reporting limits. No other monitoring wells in the vicinity of MW-0413-S1 have contained a measurable amount of LNAPL. Based on these evaluations, the presence of PCBs at AOI 19 was delineated.

4.2 LNAPL Recovery System

The Waste Treatment LNAPL Recovery System consisted of a specific gravity skimmer and pneumatic pump installed in monitoring well MW-0413-S1. Upon finalizing the O&M procedures, system installation was completed on April 16, 2009. The recovered fluids are being stored in a tank with secondary containment prior to being containerized and transported offsite for incineration in accordance with TSCA regulations. Currently there is insufficient LNAPL thickness to operate the system, so only routine gauging and inspections are performed.

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5. Diesel Fuel Release Area (AOI 40) – Diesel Fuel Plume Groundwater Recovery System

5.1 Background

Historical releases of diesel fuel at the Allison facility have resulted in a hydrocarbon sheen reaching Big Eagle Creek, located south of the facility. Drawing 2 depicts the specific location of the diesel fuel plume groundwater recovery system (AOI 40). To control the migration of the hydrocarbon-impacted groundwater toward Big Eagle Creek, groundwater has been extracted from recovery wells installed and operated along the creek.

The groundwater recovery system was not operating properly in June 2000 due to the recovery well screens becoming plugged. As a result of the system not operating properly, diesel sheen was observed at Big Eagle Creek. A containment boom was installed in Big Eagle Creek directly down-gradient of AOI 40 to mitigate the sheen. Oil-only absorbent booms are attached to the physical containment boom to capture a sheen that was seeping from the bank of the creek.

The recovery system was upgraded in 2001. The upgraded system included extracting groundwater from six wells (BW-5 through BW-10) installed along the creek. Groundwater was also extracted from three wells (BW-4, BW-11 and BW-12) installed near Plant 3 to collect hydrocarbon-impacted groundwater closer to the believed source of the diesel fuel release.

Historically, all recovered groundwater was transferred to the Allison Waste treatment system for treatment. However, in October 2005, additional upgrades to the groundwater recovery system were completed, and the discharge from recovery wells BW-5 through BW-10 was redirected to the Town of Speedway sanitary sewer system. The system was started on November 1, 2005 pursuant to the Town of Speedway's Industrial Waste Discharge Permit Number 2003-1.

The discharge is pre-treated (oil/water separator and bag filters) for the removal of any recovered separate phase liquid and suspended solids from effluent water prior to discharge to the Town of Speedway's sanitary sewer system. As a result of GM's August 2007 sale of Allison, ENCORE applied for and received a permit (Permit Number 2007-3) dated October 1, 2007, from the Town of Speedway to discharge to the Speedway sanitary sewer system. At that time, ENCORE was a wholly-owned subsidiary of General Motors Corporation. As of result of General Motors Corporation's bankruptcy proceedings, a new entity, GM, applied for and received a new permit (Permit Number 2009-3), dated October 1, 2009, from the Town of Speedway to continue discharging to the Speedway sanitary sewer system. The permit

requirements were unchanged from the previous discharge permit. Permit 2009-3 is currently up for renewal, and a renewal application will be submitted in third quarter 2014 for continued permitted discharge.

Prior to December 2009, groundwater recovered from the three wells located near Plant 3 was transferred via an aboveground pipeline to the Allison waste treatment system. In November and December 2009, GM performed construction activities between Plant 3 and the pre-treatment system building to connect the three wells located near Plant 3 to the pre-treatment building. In the first half of 2010, the recovered groundwater and NAPL from these three wells was routed to the pre-treatment building, and ultimately discharged through the permitted outfall 003 associated with permit number 2009-3.

The containment boom in Big Eagle Creek is maintained as a precautionary measure to contain and capture any sheen that might enter the creek. Transducers were deployed in select monitoring wells and the six extraction wells near Big Eagle Creek to monitor groundwater levels in the S2 unit in January 2011. Transducers were later removed from the monitoring wells on November 7, 2012, and currently only the extraction wells still contain transducers, for operational and maintenance purposes.

5.2 Monitoring

Water level measurements were collected quarterly from monitoring wells that have historically demonstrated LNAPL accumulation rates meriting absorbent sock change-out. The absorbent sock is removed from the monitoring well in advance of the water and LNAPL thickness measurements. Additional monitoring includes observations of Big Eagle Creek which are performed to look for the presence of sheen (Appendix B).

In March and May 2014, water level measurements were collected from the recovery wells near Big Eagle Creek (BW-5 through BW-10) and monitoring wells in the vicinity of the recovery well system near Big Eagle Creek (MW-28-S2, MW-30-S2, MW-31-S2, MW-32-S2, MW-33-S2, MW-34-S2, MW-0105-S2, MW-0106-S2, MW-0107-S2, MW-0116-S2, MW-0522-S2A, MW-0522-S2B, MW-0523-S2, MW-0524-S2A, MW-0524-S2B, MW-0525-S2, MW-0526-S2A, MW-0526-S2B, and MW-0625-S2A, MW-0622-S2A, MW-0623-S2A, MW-0624-S2B, MW-0814-S2, MW-0815-S2 and MW-0816-S2). Table 1 summarizes historical water level elevation data. Drawing 9 shows the extent of observed LNAPL in the vicinity of AOI 26 and AOI 40. Drawing 10 presents the potentiometric surface map for the recovery well system as measured in March 2014.

As previously stated, effluent from recovery wells BW-4 through BW-12 is discharged to the Town of Speedway sanitary sewer system as permitted by Industrial Waste Discharge Permit Number 2009-3. ARCADIS personnel recorded discharge flow data via the supervisory control and data acquisition (SCADA) system or Site visits for January through June 2014. Table 3 lists the amount of water discharged (by month) to the Town of Speedway's sanitary sewer system via Outfall 003. To verify compliance with the discharge limits set forth for permitted Outfall 003 in Permit Number 2009-3, effluent samples of oil and grease (O&G) and TPH (via CWA Method 1664) are collected on a monthly basis, and total toxic organics (volatile and semi-volatile) (via CWA Method 624 and 625) are collected on a quarterly basis.

During the 4th quarter 2012, due to an IDEM audit of the Town of Speedway Industrial Pretreatment Program, some changes were required for the permit at Outfall 003. Specifically, the POTW has required semi-annual sampling for: Arsenic, Cadmium, Total Chromium, Copper, Lead, Nickel, Selenium, Silver, and Zinc via 24-hour composite sample, and Hexavalent Chromium, Cyanide, and Phenols via a grab sample. The permit modification letter stated that if, after monitoring for one year, and there are no detectable results, the permittee may petition for the superintendent to remove these parameters from the monitoring schedule. In accordance with the Town of Speedway Industrial Pretreatment Program's February 6, 2014 request, ARCADIS has collected one additional round of samples and any compounds detected were below their respective discharge limits. ARCADIS will request discontinuing non-pertinent sampling requirements in the current permit renewal to be submitted to the POTW in third quarter 2014.

All other compounds detected during monthly, quarterly, and semi-annual events during first half 2014 were within permit limits. During this reporting period, all effluent water discharged to the Town of Speedway's sanitary sewer system was in compliance with the discharge limits set forth in Permit Number 2009-03. Table 4 provides a summary of effluent water quality data collected since the discharge of effluent water to the Town of Speedway's sanitary sewer system began on November 1, 2005.

5.3 Diesel Fuel Plume Groundwater Recovery System Performance

As operation of the system is intended to prevent sheen inside the containment boom at Big Eagle Creek, the most conclusive indicator of system effectiveness is the lack of sheen in Big Eagle Creek. During the first half of 2014, no sheen was observed either within or outside of the perimeter of the containment boom in Big Eagle Creek. A summary of creek observations at the containment boom is provided in Appendix B.

The next best indicator for the effectiveness of the system is the run-time of the system. The run-time for the diesel system over the six month period was 95%. Extracted well water samples were not collected during this time period and analyzed for TPH-DRO. For the purposes of estimating TPH removal, the analytical results from the last sampling event (November 13, 2013) was used in conjunction with the first half 2014 individual recovery well flow readings. However, as the flow from an individual well and the concentration observed at a given time from a recovery well may vary, this metric is only intended as a rough estimate of TPH removal and the absence of sheen in Big Eagle Creek is the primary performance metric.

Table 6 summarizes the approximate flow from each of the recovery wells since the system began operation. Using the measured flow data and laboratory analytical results from each recovery well, TPH-Diesel mass removal can be estimated for each recovery well. As listed in Table 6, the calculated mass of TPH-Diesel removed from the recovery wells (BW-4 through BW-12) from January 2014 through June 2014 is an estimated total mass of 1,273 pounds (423 pounds TPH-Diesel based on Barrier Well analytical, and 850 pounds LNAPL was shipped during first half 2014 from the oil water separator). Since the system was upgraded in April 2001, the total estimated amount of TPH-Diesel removed from all recovery wells is estimated at 103,500 pounds. Cumulative TPH-Diesel discharged over time and for the Diesel Fuel Plume Recovery System is presented in Appendix C.

Since upgrade of the Diesel Fuel Plume Groundwater Recovery System in 2001, the frequency and significance of observable sheen in the creek has steadily decreased and no sheen was observed in the creek during this reporting period. Based on readings from individual well flow meters, approximately 34.1 million gallons of groundwater have been recovered from the nine recovery wells. Approximately 10.1 million gallons of the recovered groundwater has been processed through the Allison wastewater treatment system, and 24 million gallons have been pre-treated and discharged to the Town of Speedway's sanitary sewer system (Table 3). Currently, the system recovers an average of approximately 7,100 gallons per day, based on the number of days it has been in operation since late April 2001.

5.4 Diesel Fuel Plume Groundwater Recovery System Maintenance

Monthly maintenance activities were performed from January 2014 through June 2014. Maintenance of pumps and flow meters was performed as needed by qualified personnel. Pump controllers are continuously adjusted to optimize groundwater extraction rates and the resulting hydraulic control.

Beginning in September 2002, absorbent socks were installed in monitoring wells associated with the diesel fuel plume groundwater recovery system. During quarterly O&M activities for January 2014 through June 2014, the absorbent socks were replaced if saturated with LNAPL. Maintenance on wells with absorbent socks is conducted on a quarterly or semi-annual frequency based on previous observation of LNAPL recovery rates in each well. Table 7 presents data from select monitoring wells containing absorbent socks, and their approximate saturation at periodic intervals. It can be estimated that approximately 2.43 gallons of LNAPL was removed between January 2014 through June 2014 using the absorbent socks, and approximately 174.84 gallons (total) of LNAPL have been removed since absorbent socks were installed in September of 2002. Drawing 9 shows the extent of observed LNAPL in the vicinity of AOI 40.

6. Plant 14 Heat Treat Area (AOI 42) and Plant 14 Cyanide/Copper Plating Area (AOI 43)

6.1 Background

6.1.1 AOI 42

The Heat Treat Area (AOI 42) is located in the northwest portion of the Plant 14 building northwest of AOI 43. The location of AOI 42 is shown on Drawing 2. The Plant 14 Heat Treat Area contained three pit mounted degreasers, a floor mounted PCE still, a process waste sump and the heat treat processing area. The three degreasers historically contained PCE; however, all three degreasers have been removed. The floor mounted PCE still is still present; however, it does not contain PCE. The heat treat area and the process waste sump are still operational.

6.1.2 AOI 43

The Cyanide/Copper Plating Area (AOI 43) is located in the north-central portion of the Plant 14 building due east of AOI 44. The location of AOI 43 is shown on Drawing 2. This area includes several sub-areas: the PCE still area (SWMU 8), a hazardous waste satellite collection area (SWMU 9) and a plating wastewater sump (SWMU 33). Three pit mounted degreasers were also formerly located in this AOI, and have been removed.

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6.2 SVE System Installation

Nine soil vapor extraction (SVE) wells installed in AOI 42 /43 (SVE-1101 through SVE-1109) were installed and connected to the remediation system enclosure/equipment. The system was delivered on February 6, 2013, and has been operational since April 4, 2013.

6.3 AOI 42/43 SVE System Performance

Approximately 1,887 pounds of PCE have been recovered since the activation of the system in April 2013, of which 187 pounds were recovered during this reporting period. Table 9 summarizes the mass removal of PCE in the vapor phase. Cumulative PCE discharged over time and monthly/quarterly PCE discharged over time for the AOI 42/43 SVE System are presented in Appendix D.

7. Former Degreaser Area (AOI 51) – AOI 51 SVE and Groundwater Recovery System

7.1 Background

A release of 8,000 gallons of PCE in the former heat treat area of Plant 12 was reported to the Indiana Department of Environmental Management (IDEM) on June 14, 1988. Drawing 2 depicts the specific location of the Former Degreaser Area (AOI 51). Subsequent subsurface investigations completed in AOI 51 have revealed elevated PCE concentrations in soil (located in the upper 12 feet) in the immediate vicinity of the former degreasing area. In addition, groundwater samples collected in the immediate vicinity of the spill area have shown that PCE has impacted groundwater. In July 2003, ARCADIS installed a SVE and dense non-aqueous phase liquid (DNAPL) recovery system to remove PCE from the shallow soils and the groundwater in the vicinity of the former degreaser area. The systems began operation in October 2003; however, the operation of the DNAPL recovery portion of the system was limited. In February 2005, the DNAPL recovery system was temporarily shut down to allow for the installation of a groundwater extraction and treatment system, incorporating the six (6) source area wells and eight (8) down-gradient recovery wells. The source area wells are screened primarily in the S2A unit, and the down-gradient recovery wells are screened primarily in the S2 and S3 units. The installation of the system was completed for the down-gradient recovery wells on September 7, 2007, with the incorporation of the source area wells on November 28, 2007. In 2012, five new SVE wells were installed around AOI 51 for remediation of remaining soil impacts and to assist in preventing vapor intrusion from the shallow soils. In September 2012, these five new SVE wells were

connected the remediation system and their flow was optimized for mass recovery in November 2012. Additional system optimizations were made in April 2013, for further mass recovery.

Groundwater treatment starts with influent groundwater water from the source area recovery wells being processed through a DNAPL separator. The effluent from the DNAPL separator is transferred to an equalization tank where it is combined with groundwater extracted from the down-gradient recovery wells. The DNAPL separator allows any recovered DNAPL to separate based on the higher specific gravity of the DNAPL compared with the extracted water. Any recovered DNAPL is periodically pumped out of the DNAPL separator. The combined influent (from source area and down-gradient recovery wells) is treated through bag filters (for solids removal) and an air stripper (for VOC removal). In April 2013, the bag filter step was removed from the treatment process, as part of on-going optimization and waste minimization activities. Discharge of the pre-treated effluent water to the sanitary sewer system has been approved by the Town of Speedway through Industrial Waste Discharge Permit Number 2007-3. This permit was approved on September 24, 2007, and became effective as of October 1, 2007. As a result of the General Motors Corporation's bankruptcy proceedings, and the fact that the permit was non-transferrable, GM applied for and received a new permit number 2009-3, which contained the same discharge limitation as in the previous permit. Table 9 provides a summary of effluent water data collected from Outfall 004.

7.2 Monitoring

ARCADIS personnel recorded flow data via site visits or automated remediation system reports emailed to the project team for January 2014 through June 2014. Table 10 lists the amount of water discharged (by month) to the Town of Speedway's sanitary sewer system from Outfall 004.

During the 4th quarter 2012, due to an IDEM audit of the Town of Speedway Industrial Pretreatment Program, some changes were required for the permit at Outfall 004. Specifically, the POTW has required semi-annual sampling for: Arsenic, Cadmium, Total Chromium, Copper, Lead, Nickel, Selenium, Silver, and Zinc via 24-hour composite sample, and Hexavalent Chromium, Cyanide, and Phenols via a grab sample. The permit modification letter stated that if, after monitoring for one year, and there are no detectable results, the permittee may petition for the superintendent to remove these parameters from the monitoring schedule. In accordance with the Town of Speedway Industrial Pretreatment Program's February 6, 2014 request, ARCADIS

has collected one additional round of samples and any compounds detected were below their respective discharge limits. ARCADIS will request discontinuing non-pertinent sampling requirements in the current permit renewal to be submitted to the POTW in third quarter 2014. Permit 2009-3 is currently up for renewal, and application submittal for continued permitted discharge will occur in third quarter 2014.

On March 18, 2014, depth to water was measured (recorded from field staff) from monitoring wells within the vicinity of AOI 51. Water elevation data is summarized in Table 1. Drawings 11 through 13 present the March 18, 2014 potentiometric groundwater contours for the S2A, S2B and S3 sand units, respectively. The SVE and recovery well systems were operating during the March 18, 2014 gauging event and the resulting potentiometric surface maps display the influence the recovery wells have on groundwater in the vicinity of the system. Transducers are deployed in a select group of monitoring wells and continue to monitor the S2, S2A, S2B and S3 groundwater elevations. Transducer data is evaluated on a monthly basis and modifications are made to the system to enhance system performance, if necessary. Groundwater flow maps generated from the transducer data are provided in Appendix E.

As discussed in Section 3, groundwater samples were collected from select monitoring wells associated with the recovery system in April 2014. Groundwater analytical results are presented in Table 2.

Air samples from the SVE and air stripper emission stacks were formerly collected on a monthly basis. Due to a continuing decreasing concentration trend and relatively low concentrations, the frequency of the SVE blower and air stripper vapor sampling was reduced from monthly to quarterly in December 2010. The SVE and air stripper remediation systems were sampled in February and May for the first and second quarters of 2014. System modifications were made on three different dates in late May 2014 and air samples were collected after each of the modifications to evaluate system performance. Tables 12 and 13 summarize the mass removal from the SVE system and the air stripper, respectively. Laboratory results for the air samples from January 2014 through June 2014 are included in Appendix A.

7.3 AOI 51 SVE and Groundwater Recovery System Performance

The SVE System has been in operation since October 30, 2003. During the first half 2014, the run-time for the AOI 51 SVE system over the six month period was 91%. During the first half of 2104, an estimated 234.8 pounds (0.117 tons) of PCE were

removed from the subsurface via SVE. To date, a total of approximately 29,336 pounds (14.7 tons) of PCE have been removed from the subsurface by the SVE system (Table 12 summarizes constituents of concern removed to date). Cumulative PCE discharged over time and average monthly PCE discharged over time for the SVE System are presented in Appendix E.

The Groundwater Recovery System started operation on September 7, 2007. The objective of the groundwater recovery system is to prevent downgradient migration of PCE and its degradation products so run time is a key indicator of system performance. During the first half 2014, the run-time for the AOI 51 groundwater recovery system over the six month period was 98%. Groundwater levels in saturated portion of sand unit S2A, and units S2B and S3 are influenced by the recovery wells screened in the respective saturated sand units in the vicinity of AOI 51. Groundwater control in the saturated portion of sand unit S2A is demonstrated on Drawing 15 and is controlled by recovery wells RW-0201-S2A through RW-0205-S2A and RW-0602-S2A/S2B. Groundwater control in the saturated sand unit S2B is demonstrated on Drawing 16 and is controlled by recovery wells RW-0501-S2B, RW-0502-S2B, RW-0602-S2A/S2B, and RW-0604-S2B. The potentiometric surface in sand unit S3 is presented on Drawing 17 and demonstrates hydraulic control by recovery wells RW-0501-S3, RW-0602-S3, RW-0603-S3, RW-0604-S3, and RW-0605-S3.

During the April 2014 sampling event, PCE and TCE were detected at 86.5 ug/L and 5.4 ug/L, respectively, in the sample collected from monitoring well MW-0420-S2A (along the Plant 12 southern boundary). This is monitoring well is being resampled during July 2014 to confirm the atypical results from this location.

During the first half of 2014, an estimated 73.4 pounds (0.04 tons) of PCE were removed from the groundwater via air stripping. To date, a total of approximately 869.4 pounds (0.43 tons) of PCE have been removed from the subsurface by the air stripper (Table 13 summarizes constituents of concern removed to date from the air stripper). Cumulative PCE discharged over time and average monthly PCE discharged over time for the Groundwater Recovery System are presented in Appendix E.

To date, an estimated 53.5 million gallons of total fluids with an estimated 1,665 pounds of PCE have been removed by groundwater recovery activities. The extracted groundwater from the source area wells inside Plant 12 pump into a DNAPL separator before the effluent is pumped to the water treatment system (equalization tank, bag filters, and air stripper). As of June 2014, the cumulative amount of DNAPL removed via the DNAPL separator is estimated to be 112 gallons (1,515 pounds).

Approximately 3,180 pounds of PCE have been recovered since the upgrade and restart of the system in November 2007, of which approximately 27.8 pounds were recovered between January 2014 through June 2014 (27.8 pounds of PCE based on groundwater analytical results from the recovery wells and zero pounds from the DNAPL separator). Table 14 summarizes the mass removal of PCE in the liquid phase.

7.4 AOI 51 SVE and Groundwater Recovery System Maintenance

Monthly maintenance activities were performed from January 2014 through June 2014. Maintenance of pumps and flow meters was performed as needed by ARCADIS personnel. Routine maintenance is scheduled for completion on a weekly basis. Air stripper cleaning is performed as needed, and involves recycling a muriatic acid solution to remove scaling on trays (ARCADIS measures pH prior to discharge of recycled water to ensure it is within the permit limits). During the first half of 2014, ARCADIS has continued to utilize sequestering agent in the treatment train prior to air stripping, to minimize air stripper fouling. Upgrades to PLC and data logging capabilities are ongoing. The intent is better data collection that will allow for making system adjustments to increase system run-time and efficiency.

On May 13, 2014, the SVE blower for AOI 51 failed to operate. The manufacturer's representative was contacted for repair and replacement options. Alternate manufacturers and blower options were also evaluated for comparison purposes. Ultimately, it was determined that a direct replacement blower would be most cost effective and meet the design air flow needs. On May 20, 2014, the SVE blower at AOI 51 was replaced with a remanufactured unit of the same make and model and immediately put into operation.

8. Transmission Test Assembly Area (AOI 53)

8.1 Background

The transmission test assembly area was located near the south-central portion of Plant 12. This area of the Site is illustrated on Drawing 2 (AOI 53). The transmission test assembly area contained two transmission test cells and a vault that contains a transmission fluid recycling system. The transmission test assembly area was removed from service in 2006, while the transmission fluid recycling system continues to operate.

In 2001, a release was identified when automatic transmission fluid (ATF) was observed on the surface of water discharging to a storm water transfer sump near

Column V-054. To identify the source of the ATF, Allison contracted to have a video inspection of the storm sewer performed. The inspection identified ATF entering into the pipe connecting the roof drain at Column V-046 to the storm sewer. Based on this finding, Allison performed an exploratory excavation inside the building where the roof drain penetrates the concrete flooring. The excavation revealed that ATF had migrated through a small gap in the concrete and entered the drainpipe at a joint just below the concrete. Approximately one cubic yard of impacted soil was removed for disposal, and the concrete was replaced and the gap between concrete and drainpipe was sealed.

ARCADIS performed several phases of subsurface investigations in the vicinity of the transmission test assembly area under the guidance of IDEM. These investigations revealed TPH concentrations in soil ranging from below laboratory detection limits to 77,000 milligrams per kilogram (mg/kg). TPH concentrations have been delineated in all cardinal directions in the vicinity of the transmission test assembly area.

Seven monitoring wells are present in the vicinity of the transmission test assembly area. Previous sampling events have not revealed elevated concentrations of identified constituents of concern (i.e., volatile organic compounds and/or semi-volatile organic compounds) in these wells. However globules, sheen, or measurable amounts of an LNAPL thought to be transmission fluid have been identified in three of the seven monitoring wells since monitoring began in 2002 (MW-0111-S2, MW-0203-S2A, and MW-0205-S2A). A measurable thickness of LNAPL has occasionally been observed in wells MW-0111-S2, and MW-0205-S2A since monitoring began in 2002. Since monitoring, the observed LNAPL thickness at these three locations has ranged from 0.00 to 2.68 feet. During the first half 2014, wells were gauged during the quarterly LNAPL inspection monitoring, and measurable LNAPL was observed in monitoring well MW-0205-S2A. The LNAPL measurements collected at the Transmission Test Cells Area are tabulated on Table 1 and the extent of observed LNAPL is presented on Drawing 8.

8.2 Absorbent Sock Operation and Maintenance

Beginning in February 2003, absorbent socks were installed in monitoring wells associated with the Transmission Test Cells Area. During semi-annual O&M activities completed during the first half of 2014, the absorbent socks were replaced if saturated with LNAPL. Table 15 lists the wells in which absorbent socks were installed and are currently monitored on a semi-annual basis.

Presently, two monitoring wells have absorbent socks maintained because either measurable amounts of LNAPL or LNAPL-globules have been observed. The absorbent socks used contain approximately seventeen fluid ounces of absorbent polymer each. Therefore, an estimated total in excess of 33.4 gallons has been removed with absorbent socks since they were deployed in February 2003, and approximately 0.49 gallons of that total from the two monitoring wells was recovered during the first half of 2014.

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Appendix A

Analytical Laboratory Reports
(Provided as a Compact Disk)

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Appendix B

Summary of Creek Observations

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Appendix C

Cumulative TPH-Diesel Recovered

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Appendix D

AOI 42/43 SVE System PCE Discharge

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Appendix E

AOI 51 SVE and Groundwater Recovery System PCE Discharge

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Appendix F

Groundwater Flow Maps Generated from Transducer Data

TABLES

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Table 1. Monitoring Well Gauging Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014, Allison Transmission, Inc., Speedway, Indiana

Area	Well	Date	Top of Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
AOI 19	MW-0413-S1	5/24/2004	720.70	23.05	16.60	704.10	13.13	3.47
		6/24/2004	720.70	23.10	18.05	702.65	12.90	5.15
		11/23/2004	720.70	NM	18.71	701.99	11.65	7.06
		1/31/2005	720.70	23.10	16.32	704.38	11.66	4.66
		2/25/2005	720.70	23.10	16.36	704.34	11.76	4.60
		3/20/2005	720.70	23.10	16.06	704.64	12.63	3.43
		3/29/2005	720.70	23.10	16.99	703.71	12.37	4.62
		4/8/2005	720.70	23.10	15.95	704.75	11.52	4.43
		4/20/2005	720.70	23.10	15.77	704.93	11.38	4.39
		4/28/2005	720.70	23.10	16.07	704.63	11.56	4.51
		5/31/2005	720.70	23.10	16.25	704.45	11.64	4.61
		6/9/2005	720.70	23.10	17.02	703.68	12.59	4.43
		6/29/2005	720.70	23.10	17.11	703.59	12.78	4.33
		7/26/2005	720.70	23.10	17.50	703.20	12.72	4.78
		7/29/2005	720.70	23.10	17.66	703.04	12.75	4.91
		8/12/2005	720.70	23.10	17.12	703.58	12.37	4.75
		8/31/2005	720.70	23.10	17.91	702.79	12.89	5.02
		9/30/2005	720.70	23.10	17.50	703.20	12.78	4.72
		10/31/2005	720.70	23.10	17.32	703.38	12.40	4.92
		11/1/2005	720.70	23.10	17.32	703.38	12.40	4.92
		11/29/2005	720.70	23.10	17.40	703.30	12.32	5.08
		12/22/2005	720.70	23.10	18.21	702.49	13.10	5.11
		1/18/2006	720.70	NM	12.51	708.91	11.81	0.70
		1/31/2006	720.70	23.10	17.89	702.81	12.26	5.63
		2/28/2006	720.70	23.10	15.94	704.76	12.93	3.01
		4/10/2006	720.70	15.32	12.51	708.19	--	--
		6/26/2006	720.70	23.10	17.26	703.44	12.13	5.13
		2/7/2007	721.94	15.35	12.44	709.50	--	--
		1/18/2008	721.94	NM	12.44	709.50	NM	0.70
		4/3/2008	721.94	NM	NM	NM	NM	1.57
		4/16/2009	721.94	23.10	13.32	708.62	11.52	1.80
		4/21/2009	721.94	NM	NM	NM	NM	0.02
		11/2/2009	721.94	22.10	11.90	710.04	11.20	0.70
		11/4/2010	721.94	NM	12.17	710.37	11.45	0.72
		1/6/2011	721.94	NM	14.24	707.70	12.84	1.40
		7/13/2011	719.96	NM	12.98	708.96	--	--
		7/25/2011	719.96	NM	14.66	707.54	11.95	2.71
		8/23/2011	719.96	NM	15.43	706.44	13.12	2.31
		10/7/2011	719.96	NM	13.55	706.60	13.32	0.23
		12/16/2011	719.96	NM	11.31	709.07	10.80	0.51
		1/5/2012	719.96	NM	14.01	704.38	12.11	1.90
		2/16/2012	719.96	NM	13.45	706.18	13.05	0.40
		3/2/2012	719.96	NM	13.38	706.65	13.47	0.09
		3/27/2012	719.96	NM	12.17	707.79	--	--
		5/17/2012	719.96	NM	11.35	708.62	11.36	0.01
		6/1/2012	719.96	NM	12.75	707.64	13.27	0.52
		9/20/2012	719.96	NM	14.60	707.43	12.10	2.50
		11/14/2012	719.96	NM	10.40	709.02	9.75	0.65
		3/28/2013	719.96	NM	11.80	708.23	11.72	0.08
		7/22/2013	719.96	NM	9.04	711.00	8.94	0.01
		7/25/2013	719.96	NM	9.05	710.92	9.04	0.01
		9/20/2013	719.96	NM	8.85	711.18	8.93	0.08
		10/24/2013	719.96	NM	9.04	710.93	9.03	0.01
		10/31/2013	719.96	NM	8.85	711.11	8.85	0.01
		11/25/2013	719.96	NM	8.05	711.91	--	--
		11/27/2013	719.96	NM	9.19	710.78	9.19	0.00
		12/12/2013	719.96	NM	8.86	711.10	8.85	0.01
		1/17/2014	719.96	NM	9.08	710.88	--	--
		2/6/2014	719.96	NM	8.98	710.98	--	--
		2/27/2014	719.96	NM	9.12	710.85	9.11	0.01
		3/6/2014	719.96	NM	9.25	710.71	--	--
		4/10/2014	719.96	NM	9.08	710.88	--	--
		5/1/2014	719.96	NM	9.57	710.39	--	--
		5/15/2014	719.96	NM	9.62	710.34	--	--
	MW-0506-S1	11/18/2005	721.94	15.63	12.45	709.49	--	--
		2/28/2006	721.94	15.35	11.74	710.20	--	--
		4/10/2006	721.94	15.32	12.51	709.43	--	--
		2/7/2007	721.94	15.35	12.44	709.50	--	--
		5/20/2008	721.94	15.48	12.17	709.77	--	--
		4/7/2009	721.94	15.35	12.24	709.70	--	Slight Sheen
		11/2/2009	721.94	15.60	12.34	709.60	--	--
		10/14/2010	721.94	15.57	12.00	709.94	--	--
		5/6/2011	721.94	15.81	12.54	709.40	--	--
		9/29/2011	721.94	15.58	11.99	709.95	--	--
		3/27/2012	721.94	15.63	12.71	709.23	--	--
		11/14/2012	721.94	15.80	12.45	709.49	--	--
		3/28/2013	721.94	15.80	12.15	709.79	--	--
		9/12/2013	721.94	15.60	11.03	710.91	--	--
		3/18/2014	721.94	15.91	11.50	710.44	--	--
	MW-0507-S1	11/18/2005	720.66	14.80	11.03	709.63	--	--
		2/28/2006	720.66	15.53	11.25	709.41	--	--
		4/10/2006	720.66	14.50	10.22	710.44	--	--
		2/2/2007	720.66	15.53	9.58	711.08	--	--
		10/8/2007	720.66	14.75	10.50	710.16	--	--
		1/18/2008	720.66	NM	NM	NM	--	--
		5/20/2008	720.66	NM	10.18	NM	--	--
		4/7/2009	720.66	14.36	10.72	709.94	--	--
		11/2/2009	720.66	14.55	10.03	710.63	--	--

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Table 1. Monitoring Well Gauging Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014, Allison Transmission, Inc., Speedway, Indiana

Area	Well	Date	Top of Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		5/24/2010	720.66	NM	10.38	710.28	--	--
		5/6/2011	720.66	14.81	11.70	708.96	--	--
		9/29/2011	720.66	14.60	11.54	709.12	--	--
		3/27/2012	720.66	14.62	12.30	708.36	--	--
		3/28/2013	720.66	--	--	--	--	--
		3/18/2014	720.66	14.95	7.56	712.68	--	--
	MW-0508-S1	11/18/2005	721.21	25.87	16.50	704.71	--	--
		2/27/2006	721.21	25.55	16.27	704.94	--	--
		4/10/2006	721.21	25.50	16.30	704.91	--	--
		2/2/2007	721.21	25.51	15.13	706.08	--	--
		10/8/2007	721.21	25.45	17.47	703.74	--	--
		5/20/2008	721.21	25.27	15.29	705.92	--	--
		4/7/2009	721.21	25.15	16.97	704.24	--	--
		11/2/2009	721.21	25.21	16.40	704.81	--	--
		5/24/2010	721.21	NM	16.32	704.89	--	--
		10/14/2010	721.21	25.29	17.31	703.90	--	--
		5/6/2011	721.21	NM	16.10	705.11	--	--
		9/29/2011	721.21	25.25	17.47	703.74	--	--
		3/27/2012	721.21	25.35	17.78	703.43	--	--
		11/14/2012	721.21	25.40	18.14	703.07	--	--
		3/28/2013	721.21	25.40	17.16	704.05	--	--
		9/12/2013	721.21	25.22	15.88	705.33	--	--
		3/18/2014	721.21	25.38	15.22	705.99	--	--
	MW-0605-S2	2/28/2006	721.33	29.61	13.45	707.88	--	--
		4/10/2006	721.33	29.57	13.65	707.68	--	--
		2/2/2007	721.33	29.63	12.54	708.79	--	--
		10/8/2007	721.33	29.86	13.46	707.87	--	--
		5/20/2008	721.33	NM	10.18	NM	--	--
		4/7/2009	721.33	29.64	12.46	708.87	--	--
		11/2/2009	721.33	29.88	12.75	708.58	--	--
		5/24/2010	721.33	NM	12.80	708.53	--	--
		10/14/2010	721.33	31.85	13.19	708.14	--	--
		5/6/2011	721.33	30.10	13.07	708.26	--	--
		3/27/2012	721.33	29.90	14.14	707.19	--	--
		11/14/2012	721.33	30.10	14.04	707.29	--	--
		3/28/2013	721.33	30.11	13.78	707.55	--	--
		9/12/2013	721.33	29.88	11.46	709.87	--	--
		3/18/2014	721.33	29.98	11.23	710.10	--	--
AOI 26	MW-0630-S3	2/10/2009	719.47	56.27	17.08	702.39	--	--
		3/27/2009	719.47	56.38	16.77	702.70	--	--
		4/7/2009	719.47	56.35	16.58	702.89	--	--
		9/25/2009	719.47	56.40	17.28	702.19	--	--
		11/2/2009	719.47	56.30	17.17	702.30	--	--
		10/14/2010	719.47	56.55	17.54	701.93	--	--
		5/6/2011	719.47	56.85	16.45	703.02	--	--
		9/29/2011	719.47	56.90	18.39	701.08	--	--
		3/27/2012	719.47	56.70	18.19	701.55	--	--
		9/20/2012	719.47	56.45	19.15	700.32	--	--
		3/28/2013	719.74	56.50	17.06	702.68	--	--
		9/12/2013	719.74	56.55	24.99	694.75	--	--
		3/18/2014	719.74	56.55	15.06	704.68	--	--
AOI 30	MW-0609-S2	5/20/2008	722.06	NM	19.95	702.11	--	--
		4/7/2009	722.06	36.75	20.98	701.08	--	--
		11/2/2009	722.06	36.57	20.90	701.16	--	--
		10/14/2010	722.06	36.68	21.59	700.47	--	--
		3/27/2012	722.06	36.65	21.49	700.57	--	--
		3/28/2013	722.06	36.70	21.10	700.96	--	--
		9/12/2013	722.06	36.62	20.73	701.33	--	--
		3/18/2014	722.06	36.74	19.21	702.85	--	--
AOI 31	MW-0610-S2	3/2/2006	722.17	28.65	18.91	703.26	18.25	0.66
		3/30/2006	722.17	28.65	17.93	704.24	17.81	0.12
		4/10/2006	722.17	28.65	18.05	704.12	--	Sheen
		4/28/2006	722.17	28.65	17.87	704.30	--	Sheen
		5/30/2006	722.17	28.65	18.18	703.99	18.16	0.02
		6/26/2006	722.17	28.65	18.22	703.95	18.14	0.08
		8/29/2006	722.17	28.80	19.19	702.98	18.52	0.67
		9/26/2006	722.17	28.80	19.13	703.04	18.88	0.25
		10/18/2006	722.17	28.80	19.26	702.91	18.88	0.38
		11/23/2006	722.17	28.80	18.95	703.22	18.28	0.67
		12/18/2006	722.17	28.80	19.06	703.11	18.11	0.95
		1/16/2007	722.17	28.80	17.09	705.08	16.77	0.32
		2/22/2007	722.17	28.80	16.71	705.46	16.44	0.27
		3/20/2007	722.17	28.80	17.48	704.69	17.24	0.24
		4/24/2007	722.17	28.80	17.96	704.21	17.79	0.17
		5/17/2007	722.17	28.80	18.05	704.12	17.89	0.16
		6/26/2007	722.17	28.80	21.97	700.20	21.72	0.25
		7/24/2007	722.17	28.78	19.31	702.86	19.12	0.19
		8/20/2007	722.17	28.78	19.35	702.82	19.23	0.12
		10/8/2007	722.17	29.72	19.84	702.33	18.35	1.49
		10/22/2007	722.17	29.72	20.10	702.07	19.22	0.88
		11/15/2007	722.17	29.72	19.45	702.72	19.20	0.25
		12/13/2007	722.17	28.80	19.10	703.07	18.63	0.47
		1/18/2008	722.17	NM	NM	NM	NM	1.17
		2/8/2008	722.17	NM	NM	NM	NM	0.79
		3/10/2008	722.17	NM	NM	NM	NM	0.91

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Area	Well	Date	Top of Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		4/7/2008	722.17	NM	NM	NM	NM	0.61
		5/20/2008	722.17	NM	NM	NM	NM	2.80
		6/26/2008	722.17	NM	NM	NM	NM	0.45
		7/31/2008	722.17	28.75	19.85	702.32	18.31	1.54
		8/27/2008	722.17	28.59	17.54	704.63	17.01	0.53
		10/29/2008	722.17	28.61	17.85	704.32	17.64	0.21
		11/24/2008	722.17	NM	18.05	704.12	17.83	0.22
		12/10/2008	722.17	NM	19.46	702.71	17.20	2.26
		1/26/2009	722.17	NM	18.01	704.16	17.65	0.36
		3/24/2009	722.17	NM	18.05	704.12	17.56	0.49
		4/7/2009	722.17	28.85	18.71	705.11	16.77	1.94
		11/2/2009	722.17	NM	18.64	703.53	17.65	0.99
		12/18/2009	722.17	NM	22.96	699.21	22.45	0.51
		2/22/2010	722.17	NM	18.44	704.66	17.31	1.13
		3/23/2010	722.17	NM	18.28	704.57	17.46	0.82
		5/24/2010	722.17	NM	18.62	704.82	17.08	1.54
		8/23/2010	722.17	NM	18.67	704.50	17.46	1.21
		10/14/2010	722.17	23.80	19.03	703.50	18.60	0.43
		11/18/2010	722.17	NM	19.32	703.69	18.31	1.01
		12/6/2010	722.17	NM	18.99	703.87	18.15	0.84
		2/16/2011	722.17	28.87	19.17	703.38	18.71	0.46
		3/11/2011	722.17	28.85	17.49	704.74	17.42	0.07
		4/7/2011	722.17	28.85	17.86	704.31	17.43	0.43
		6/3/2011	722.17	28.84	17.54	704.66	17.50	0.04
		7/13/2011	722.17	28.83	17.95	704.23	17.94	0.01
		8/3/2011	722.17	28.83	18.11	704.06	--	--
		9/29/2011	722.17	NM	19.11	703.23	18.91	0.20
		11/7/2011	722.17	NM	19.15	703.08	19.08	0.07
		12/8/2011	722.17	28.10	19.05	703.12	--	--
		3/27/2012	722.17	28.80	19.55	702.62	--	--
		9/20/2012	722.17	28.80	20.10	702.07	20.10	0.00
		11/14/2012	722.17	28.80	18.44	703.75	18.42	0.02
		2/18/2013	722.17	28.73	18.22	703.95	--	--
		3/28/2013	722.17	28.79	18.70	703.54	18.62	0.08
		9/12/2013	722.17	NM	20.57	701.83	20.29	0.28
		11/25/2013	722.17	28.78	17.95	706.57	15.11	2.84
		3/18/2014	722.17	28.71	15.04	707.13	--	--
AOI 32	MW-0410-S2	5/18/2004	721.85	NM	20.11	701.74	--	--
		6/24/2004	721.85	29.34	22.08	699.77	--	--
		11/19/2004	721.85	31.00	22.21	699.64	--	--
		1/31/2005	721.85	29.34	20.14	701.71	--	--
		2/24/2005	721.85	29.34	17.96	703.89	--	--
		3/29/2005	721.85	29.34	22.02	699.83	--	--
		4/28/2005	721.85	29.34	17.67	704.18	--	--
		5/31/2005	721.85	29.34	21.13	700.72	--	--
		6/29/2005	721.85	29.34	24.90	696.95	--	--
		7/29/2005	721.85	30.35	20.55	701.30	--	--
		8/31/2005	721.85	30.35	20.81	701.04	--	--
		9/30/2005	721.85	29.34	22.19	699.66	--	--
		10/31/2005	721.85	29.34	21.35	700.50	--	--
		11/29/2005	721.85	29.34	20.60	701.25	--	--
		12/22/2005	721.85	29.34	22.90	698.95	--	--
		1/31/2006	721.85	29.86	21.21	700.64	--	--
		2/27/2006	721.85	30.10	21.25	700.60	--	--
		2/28/2006	721.85	29.86	21.13	700.72	--	--
		3/30/2006	721.85	29.86	20.73	701.12	--	--
		4/10/2006	721.85	29.86	20.79	701.06	--	--
		4/28/2006	721.85	29.86	20.61	701.24	--	--
		5/30/2006	721.85	29.86	20.92	700.93	--	--
		6/26/2006	721.85	29.86	20.94	700.91	--	--
		8/29/2006	721.85	30.13	21.65	700.20	--	--
		9/26/2006	721.85	30.13	21.66	700.19	--	Sheen
		10/18/2006	721.85	30.13	21.75	700.10	--	--
		11/23/2006	721.85	30.13	21.35	700.50	--	Sheen
		12/18/2006	721.85	30.13	21.17	700.68	--	--
		1/16/2007	721.85	30.13	19.74	702.11	--	--
		2/2/2007	721.85	29.86	19.69	702.16	--	--
		2/22/2007	721.85	29.86	19.54	702.31	--	--
		3/20/2007	721.85	29.86	20.65	701.20	--	--
		4/24/2007	721.85	29.86	20.98	700.87	--	--
		5/17/2007	721.85	29.86	20.71	701.14	--	--
		6/26/2007	721.85	29.86	26.03	695.82	--	--
		7/24/2007	721.85	30.03	21.71	700.14	--	--
		8/20/2007	721.85	30.03	21.90	699.95	--	--
		10/8/2007	721.85	30.08	21.26	700.59	--	--
		10/22/2007	721.85	30.08	21.91	699.94	--	--
		11/15/2007	721.85	30.08	21.20	700.65	--	--
		12/13/2007	721.85	30.13	21.78	700.07	--	--
		1/18/2008	721.85	NM	NM	NM	--	Sheen
		2/7/2008	721.85	NM	NM	NM	--	Sheen
		3/10/2008	721.85	NM	NM	NM	--	Sheen
		5/20/2008	721.85	NM	20.30	701.55	--	--
		12/10/2008	721.85	NM	20.93	700.92	--	--
		4/7/2009	721.85	30.19	19.20	702.65	--	--
		2/22/2010	721.85	30.10	21.11	700.74	--	--
		3/23/2010	721.85	NM	20.18	701.67	--	--
		5/24/2010	721.85	30.20	19.71	702.14	--	--
		10/14/2010	721.85	NM	21.68	700.17	--	--
		7/13/2011	721.85	NM	21.54	700.31	--	--

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Area	Well	Date	Top of Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		9/29/2011	721.85	30.08	21.69	700.16	--	--
		11/7/2011	721.85	29.90	21.39	700.46	--	--
		3/27/2012	721.85	30.10	21.73	700.12	--	--
		8/28/2013	721.85	30.10	21.46	700.39	--	--
		9/12/2013	721.85	30.07	24.32	697.53	--	--
		3/18/2014	721.85	30.05	18.95	702.90	--	--
	MW-0412-S2	5/18/2004	721.85	NM	19.20	702.65	--	--
		6/24/2004	721.85	28.65	22.58	699.27	22.50	0.08
		11/19/2004	721.85	30.00	19.11	702.74	--	--
		1/31/2005	721.85	28.65	20.59	701.26	--	--
		2/24/2005	721.85	28.65	18.41	703.44	--	--
		3/29/2005	721.85	28.65	18.93	702.92	--	--
		4/28/2005	721.85	28.65	18.12	703.73	--	--
		5/31/2005	721.85	28.65	21.89	699.96	--	--
		6/29/2005	721.85	28.65			--	--
		7/29/2005	721.85	28.70	19.34	702.51	--	--
		8/31/2005	721.85	28.70	19.59	702.26	--	--
		9/30/2005	721.85	28.65	19.09	702.76	--	--
		10/31/2005	721.85	28.65	19.80	702.05	--	--
		11/29/2005	721.85	28.65	19.06	702.79	--	--
		12/22/2005	721.85	28.65	19.79	702.06	--	--
		1/31/2006	721.85	28.65	22.50	699.35	22.36	0.14
		2/28/2006	721.85	28.65	19.71	702.14	19.70	0.01
		3/30/2006	721.85	28.65	18.64	703.21	--	Sheen
		4/10/2006	721.85	28.65	18.69	703.16	--	Sheen
		4/28/2006	721.85	28.65	18.52	703.33	--	Sheen
		5/30/2006	721.85	28.65	18.72	703.13	--	Sheen
		6/26/2006	721.85	28.65	18.84	703.01	--	Sheen
		8/29/2006	721.85	28.62	25.28	696.57	22.36	2.92
		9/26/2006	721.85	28.62	23.10	698.75	22.72	0.38
		10/18/2006	721.85	28.62	24.19	697.66	22.51	1.68
		11/29/2006	721.85	28.62	24.18	697.67	22.84	1.34
		12/18/2006	721.85	28.62	23.22	698.63	21.76	1.46
		1/16/2007	721.85	28.62	18.95	702.90	18.59	0.36
		2/22/2007	721.85	28.62	18.74	703.11	18.57	0.17
		3/20/2007	721.85	28.62	18.56	703.29	18.36	0.20
		4/24/2007	721.85	28.62	18.78	703.07	18.67	0.11
		5/17/2007	721.85	28.62	18.61	703.24	18.34	0.27
		6/26/2007	721.85	28.62	26.54	695.31	26.21	0.33
		10/8/2007	721.85	28.59	22.30	699.55	21.55	0.75
		12/13/2007	721.85	28.59	22.15	699.70	--	--
		1/18/2008	721.85	NM	21.78	700.07	20.65	1.13
		7/31/2008	721.85	28.63	22.02	699.83	20.87	1.15
		8/27/2008	721.85	28.54	21.83	700.02	20.75	1.08
		9/25/2008	721.85	NM	NM	NM	NM	NM
		10/29/2008	721.85	28.61	22.79	699.06	22.65	0.14
		11/24/2008	721.85	NM	22.86	698.99	22.75	0.11
		12/10/2008	721.85	NM	21.61	700.24	20.85	0.76
		1/26/2009	721.85	NM	22.78	699.07	22.56	0.22
		3/24/2009	721.85	NM	22.84	699.01	22.76	0.08
		4/7/2009	721.85	28.71	20.63	701.45	20.36	0.27
		9/25/2009	721.85	NM	NM	NM	NM	NM
		11/2/2009	721.85	NM	21.31	700.55	21.30	0.01
		12/18/2009	721.85	NM	23.45	698.40	23.01	0.44
		2/22/2010	721.85	28.60	19.90	701.95	19.90	GLOBULES/SHEEN
		3/23/2010	721.85	NM	19.85	702.00	19.85	GLOBULES/SHEEN
		5/24/2010	721.85	28.70	19.62	702.23	--	GLOBULES
		8/23/2010	721.85	NM	20.35	701.50	--	--
		10/14/2010	721.85	NM	28.44	693.86	27.89	0.55
		11/18/2010	721.85	NM	21.31	700.54	--	--
		12/6/2010	721.85	NM	21.71	700.14	--	--
		2/16/2011	721.85	28.65	21.29	700.56	--	--
		3/11/2011	721.85	28.61	19.65	702.23	19.61	0.04
		4/7/2011	721.85	28.63	20.33	701.52	--	--
		5/6/2011	721.85	NM	19.58	702.27	19.58	--
		6/3/2011	721.85	28.61	19.44	702.44	19.40	0.04
		7/13/2011	721.85	28.62	19.87	701.98	19.85	0.02
		8/3/2011	721.85	28.68	20.40	701.45	--	--
		9/29/2011	721.85	NM	22.37	700.03	21.70	0.67
		11/7/2011	721.85	NM	21.90	700.40	21.35	0.55
		12/8/2011	721.85	28.50	22.70	699.94	21.75	0.95
		3/27/2012	721.85	28.61	21.43	700.42	--	--
		9/20/2012	721.85	28.55	21.94	699.91	21.94	--
		11/14/2012	721.85	28.55	20.04	701.93	19.89	0.15
		2/18/2013	721.85	28.60	19.75	702.25	19.57	0.18
		8/28/2013	721.85	28.52	20.10	701.83	20.00	0.10
		9/12/2013	721.85	NM	26.90	695.04	26.79	0.11
		11/25/2013	721.85	28.45	23.34	699.46	22.19	1.15
		3/18/2014	721.85	28.48	17.83	704.06	17.78	0.05
	MW-0611-S1	3/2/2006	722.09	23.05	18.78	703.31	18.54	0.24
		3/30/2006	722.09	23.05	15.61	706.48	15.53	0.08
		4/10/2006	722.09	23.05	15.69	706.40	--	Sheen
		4/28/2006	722.09	23.05	15.51	706.58	--	Sheen
		5/30/2006	722.09	23.05	15.82	706.27	--	Sheen
		6/26/2006	722.09	23.05	15.84	706.25	15.70	0.14
		8/29/2006	722.09	23.15	15.37	706.72	--	--
		9/26/2006	722.09	23.15	15.95	706.14	15.92	0.03
		10/18/2006	722.09	23.15	16.04	706.05	15.97	0.07

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Table 1. Monitoring Well Gauging Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014, Allison Transmission, Inc., Speedway, Indiana

Area	Well	Date	Top of Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		11/23/2006	722.09	23.15	15.77	706.32	15.58	0.19
		12/18/2006	722.09	23.15	15.50	706.59	15.45	0.05
		1/16/2007	722.09	22.87	14.90	707.19	--	--
		2/2/2007	722.09	22.87	14.74	707.35	--	--
		2/22/2007	722.09	22.87	14.67	707.42	--	--
		3/20/2007	722.09	22.87	15.04	707.05	--	--
		4/24/2007	722.09	22.87	15.61	706.48	--	--
		5/17/2007	722.09	22.87	15.65	706.44	--	--
		6/26/2007	722.09	22.87	19.12	702.97	--	--
		10/8/2007	722.09	23.06	16.13	705.96	--	--
		12/13/2007	722.09	23.15	16.25	705.84	--	--
		1/18/2008	722.09	NM	NM	NM	NM	0.01
		2/8/2008	722.09	NM	NM	NM	NM	0.03
		3/10/2008	722.09	NM	NM	NM	NM	0.02
		4/7/2008	722.09	NM	NM	NM	NM	0.02
		5/20/2008	722.09	NM	NM	NM	NM	--
		6/26/2008	722.09	NM	15.56	706.53	15.55	0.01
		7/31/2008	722.09	23.12	15.56	706.53	15.56	Sheen
		8/27/2008	722.09	23.51	15.04	707.05	14.98	0.06
		10/29/2008	722.09	23.52	15.29	706.80	15.21	0.08
		11/24/2008	722.09	NM	15.97	706.12	15.89	0.08
		12/10/2008	722.09	NM	15.19	706.90	--	--
		1/26/2009	722.09	NM	16.03	706.06	15.91	0.12
		3/24/2009	722.09	NM	16.01	706.09	15.89	0.12
		4/7/2009	722.09	23.20	14.93	707.16	--	--
		11/2/2009	722.09	23.26	15.48	706.61	--	--
		2/22/2010	722.09	23.10	15.22	706.87	--	--
		3/23/2010	722.09	NM	15.20	706.89	--	--
		5/24/2010	722.09	23.21	15.22	706.87	--	--
		8/23/2010	722.09	NM	14.95	707.14	--	--
		10/14/2010	722.09	23.03	15.89	706.20	--	--
		11/18/2010	722.09	23.20	16.05	706.04	--	--
		2/16/2011	722.09	23.25	15.88	706.34	15.72	0.16
		4/7/2011	722.09	NM	15.29	706.86	15.22	0.07
		5/6/2011	722.09	NM	15.00	707.09	14.99	0.01
		6/3/2011	722.09	NM	15.26	706.83	--	--
		7/13/2011	722.09	NM	15.46	706.63	--	--
		9/29/2011	722.09	23.10	15.83	706.26	--	--
		11/4/2011	722.09	NM	16.41	705.85	16.20	0.21
		12/8/2011	722.09	23.05	16.35	705.78	16.30	0.05
		3/27/2012	722.09	23.15	17.27	704.82	--	--
		5/4/2012	722.09	NM	16.83	705.26	--	--
		9/20/2012	722.09	23.10	17.28	704.81	--	--
		11/14/2012	722.09	23.10	15.39	706.70	--	--
		2/18/2013	722.09	23.08	15.34	706.75	--	--
		3/28/2013	722.09	23.09	15.44	706.65	15.44	Sheen
		9/12/2013	722.09	23.07	15.40	706.69	--	--
		11/19/2013	722.09	22.98	13.78	708.31	--	--
		3/18/2014	722.09	23.02	13.90	708.19	--	--
	MW-0629-S2	10/8/2007	721.35	26.21	21.57	699.78	--	--
		12/13/2007	721.35	24.69	17.27	704.08	--	--
		1/18/2008	721.35	NM	19.95	701.40	--	--
		12/10/2008	721.35	NM	21.09	700.26	--	--
		2/10/2009	721.35	26.05	20.59	700.76	--	--
		3/27/2009	721.35	26.11	20.15	701.20	--	--
		4/7/2009	721.35	26.05	19.96	701.39	--	--
		9/25/2009	721.35	26.45	19.49	701.86	--	--
		11/2/2009	721.35	26.05	18.57	702.78	--	--
		4/30/2010	721.35	26.24	16.92	704.43	--	--
		10/14/2010	721.35	26.28	17.74	703.61	--	--
		5/9/2011	721.35	26.41	17.81	703.54	--	--
		9/29/2011	721.35	26.19	18.04	703.31	--	--
		3/27/2012	721.35	26.20	19.66	701.69	--	--
		9/20/2012	721.35	26.25	20.20	701.15	--	--
		11/14/2012	721.35	26.40	20.55	700.80	--	--
		3/28/2013	721.35	26.40	19.43	701.92	--	--
		9/12/2013	721.35	26.31	17.24	704.11	--	--
		3/18/2014	721.35	26.24	16.07	705.28	--	--
	MW-0629-S3	2/7/2007	721.31	NM	NM	NM	NM	--
		1/18/2008	721.31	NM	NM	NM	NM	--
		5/20/2008	721.31	NM	19.95	701.36	--	--
		2/10/2009	721.31	74.00	27.81	693.50	NM	--
		3/27/2009	721.31	73.88	27.18	694.13	--	--
		4/7/2009	721.31	73.82	25.11	696.20	--	--
		9/25/2009	721.31	74.00	27.33	693.98	--	--
		11/2/2009	721.31	73.80	24.91	696.40	--	--
		8/3/2010	721.31	75.25	26.05	695.26	--	--
		10/14/2010	721.31	NM	26.98	694.33	--	--
		9/29/2011	721.31	74.02	27.85	693.46	--	--
		3/27/2012	721.31	73.96	26.41	694.90	--	--
		9/20/2012	721.31	73.98	27.49	693.82	--	--
		11/14/2012	721.31	74.20	27.31	694.00	--	--
		3/28/2013	721.31	74.18	26.61	694.70	--	--
		9/12/2013	721.31	75.18	27.49	693.82	--	--
		3/18/2014	721.31	74.74	25.52	695.79	--	--
	MW-0709-S2	1/18/2008	NM	NM	NM	NM	--	--
		12/10/2008	NM	NM	22.33	NM	--	--

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Area	Well	Date	Top of Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		2/10/2009	720.03	26.25	22.21	697.82	--	--
		3/27/2009	720.03	26.40	19.08	700.95	--	--
		4/7/2009	720.03	26.35	19.06	700.97	--	--
		9/25/2009	720.03	26.50	19.62	700.41	--	--
		11/2/2009	720.03	26.33	17.99	702.04	--	--
		4/30/2010	720.03	26.76	17.19	702.84	--	--
		10/14/2010	720.03	NM	22.72	697.31	--	--
		5/9/2011	720.03	26.35	17.31	702.72	--	--
		9/29/2011	720.03	26.55	21.75	698.28	--	--
		3/27/2012	720.03	26.65	21.89	698.14	--	--
		3/28/2013	720.03	26.50	21.86	698.17	--	--
		3/18/2014	720.03	26.24	17.47	702.56	--	--
	MW-0803-S3	4/7/2009	720.11	NM	NM	NM	--	--
		9/25/2009	720.11	43.75	26.41	693.70	--	--
		11/2/2009	720.11	64.04	25.64	694.47	--	--
		8/3/2010	720.11	64.25	24.78	695.33	--	--
		10/14/2010	720.11	63.40	25.73	694.38	--	--
		5/9/2011	720.11	62.80	23.74	696.37	--	--
		3/27/2012	720.11	64.49	25.25	694.86	--	--
		3/28/2013	720.11	63.40	25.17	694.94	--	--
		3/18/2014	720.11	64.70	24.29	695.82	--	--
AOI 33	MW-0634-S2B	4/7/2009	719.66	36.31	12.75	706.91	--	--
		9/25/2009	719.66	36.43	12.99	706.67	--	--
		11/2/2009	719.66	36.43	12.77	706.89	--	--
		4/30/2010	719.66	36.49	12.79	706.87	--	--
		10/14/2010	719.66	36.40	14.07	705.59	--	--
		9/29/2011	719.66	35.43	13.64	706.02	--	--
		3/27/2012	719.66	36.50	13.98	705.68	--	--
		9/20/2012	719.66	36.41	14.01	705.65	--	--
		3/28/2013	719.66	36.50	13.60	706.06	--	--
		9/12/2013	719.66	36.32	14.30	705.36	--	--
		3/18/2014	719.66	36.30	12.00	707.66	--	--
AOI 40	BW-10	5/16/2001	721.23	NM	30.65	690.58	--	--
		8/17/2001	721.23	37.30	Dry		--	--
		3/14/2002	721.23	NM	30.75	690.48	--	--
		4/16/2002	721.23	36.48	33.86	687.37	--	--
		5/24/2002	721.23	36.50	34.35	686.88	--	--
		6/27/2002	721.23	36.45	28.51	692.72	28.50	0.01
		7/22/2002	721.23	36.23	33.26	687.97	33.25	0.01
		8/15/2002	721.23	36.25	24.05	697.18	--	--
		9/17/2002	721.23	36.20	33.10	688.13	--	--
		10/29/2002	721.23	36.23	34.20	687.03	--	--
		11/22/2002	721.23	35.50	33.05	688.18	--	--
		12/18/2002	721.23	NM	34.68	686.55	--	--
		1/21/2003	721.23	36.23	33.79	687.44	--	--
		2/26/2003	721.23	36.23	33.11	688.12	--	--
		3/26/2003	721.23	36.23	34.10	687.13	--	--
		4/22/2003	721.23	35.39	26.76	694.47	--	--
		5/13/2003	721.23	35.33	24.15	697.08	--	--
		6/20/2003	721.23	30.95	27.11	694.12	--	--
		8/4/2003	721.23	35.95	32.76	688.47	32.75	0.01
		9/18/2003	721.23	35.75	33.65	687.58	--	--
		10/21/2003	721.23	35.50	31.32	689.91	--	--
		11/19/2003	721.23	NM	28.18	693.05	--	--
		12/17/2003	721.23	NM	28.56	692.67	--	--
		1/21/2004	721.23	35.50	29.39	691.84	--	--
		2/24/2004	721.23	36.25	33.10	688.13	--	--
		3/23/2004	721.23	36.23	26.67	694.56	--	--
		4/23/2004	721.23	NM	27.18	694.05	--	--
		5/19/2004	721.23	36.23	31.17	690.06	--	--
		6/24/2004	721.23	36.20	33.90	687.33	--	--
		8/31/2004	721.23	36.20	33.73	690.18	--	--
		9/30/2004	721.23	36.23	31.05	687.51	--	--
		10/28/2004	721.23	36.20	33.72	687.51	--	--
		11/19/2004	721.23	36.23	31.24	689.99	--	--
		12/7/2004	721.23	36.23	31.51	689.72	--	--
		1/31/2005	721.23	36.23	30.68	690.55	--	--
		2/24/2005	721.23	36.23	33.04	688.19	--	--
		3/29/2005	721.23	36.23	31.18	690.05	--	--
		4/28/2005	721.23	36.23	33.22	688.01	--	--
		5/31/2005	721.23	36.23	28.92	692.31	--	--
		6/29/2005	721.23	36.23	27.31	693.92	--	--
		7/29/2005	721.23	33.15	31.13	690.10	--	--
		8/31/2005	721.23	33.15	31.38	689.85	--	--
		9/30/2005	721.23	36.91	30.99	690.24	--	--
		10/31/2005	721.23	35.14	28.82	692.41	--	--
		11/29/2005	721.23	36.20	29.12	692.11	--	--
		12/22/2005	721.23	36.91	30.74	690.49	--	--
		1/31/2006	721.23	36.23	28.20	693.03	--	Sheen
		2/28/2006	721.23	36.23	31.96	689.27	--	Sheen
		3/30/2006	721.23	36.23	33.32	687.91	--	Sheen
		4/28/2006	721.23	36.23	32.84	688.39	--	Sheen
		5/30/2006	721.23	36.23	29.75	691.48	--	Sheen
		6/26/2006	721.23	36.23	30.75	690.48	--	Sheen
		8/16/2006	721.23	35.49	29.48	691.75	--	--
		8/29/2006	721.23	36.11	27.50	693.73	--	Sheen
		9/26/2006	721.23	36.11	26.42	694.81	--	Sheen

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Area	Well	Date	Top of Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		10/18/2006	721.23	36.11	26.19	695.04	--	Sheen
		11/23/2006	721.23	36.11	26.04	695.19	--	Sheen
		12/18/2006	721.23	36.11	25.71	695.52	--	Sheen
		1/16/2007	721.23	36.11	29.15	692.08	--	--
		2/22/2007	721.23	36.11	29.03	692.20	--	--
		3/20/2007	721.23	36.11	32.80	688.43	--	--
		4/24/2007	721.23	36.11	31.58	689.65	--	--
		5/17/2007	721.23	36.11	30.50	690.73	--	--
		6/26/2007	721.23	36.11	DRY	DRY	--	--
		12/13/2007	721.23	36.00	33.81	687.42	--	--
		1/18/2008	721.23	33.00	29.90	691.33	--	--
		5/19/2008	721.23	35.83	30.85	690.38	--	--
		9/25/2008	721.23	NM	30.20	691.03	--	Sheen
		12/10/2008	721.23	NM	27.67	693.56	--	--
		1/26/2009	721.23	38.00	27.91	693.33	27.90	0.01
		2/24/2009	721.23	38.00	29.35	691.99	29.22	0.13
		3/17/2009	721.23	38.00	27.81	693.42	--	--
		4/7/2009	721.23	38.00	29.70	691.53	--	--
		6/15/2009	721.23	36.38	27.11	694.12	--	--
		7/30/2009	721.23	NM	27.15	694.08	--	--
		8/26/2009	721.23	NM	29.52	691.71	--	--
		9/25/2009	721.23	36.38	31.25	689.98	--	--
		11/2/2009	721.23	NM	31.11	690.12	31.11	--
		12/18/2009	721.23	NM	31.57	689.66	31.56	0.01
		1/22/2010	721.23	NM	31.57	689.66	--	--
		2/22/2010	721.23	NM	28.32	692.91	--	--
		3/23/2010	721.23	NM	28.68	692.57	28.65	0.03
		5/24/2010	721.23	NM	33.08	688.15	--	--
		7/20/2010	721.23	NM	33.94	687.29	--	--
		8/23/2010	721.23	NM	34.08	687.15	--	--
		10/14/2010	721.23	NM	33.14	688.09	33.05	0.09
		11/18/2010	721.23	NM	30.52	690.71	--	--
		12/6/2010	721.23	NM	30.55	690.85	30.35	0.20
		1/10/2011	721.23	NM	29.11	692.12	--	--
		2/16/2011	721.23	NM	28.90	692.33	--	--
		3/11/2011	721.23	NM	26.26	694.97	--	--
		4/7/2011	721.23	NM	28.91	692.92	28.19	0.72
		5/6/2011	721.23	NM	33.00	715.52	--	--
		6/3/2011	721.23	NM	33.62	687.61	--	--
		7/13/2011	721.23	NM	26.75	694.48	--	--
		8/3/2011	721.23	NM	30.45	690.78	--	--
		8/15/2011	721.23	NM	30.45	690.78	--	--
		9/29/2011	721.23	36.50	30.09	691.20	30.02	0.07
		11/7/2011	721.23	NM	30.62	690.67	30.55	0.07
		12/8/2011	721.23	NM	30.94	690.29	--	--
		1/6/2012	721.23	NM	31.47	689.91	31.29	0.18
		2/10/2012	721.23	NM	28.83	692.40	--	--
		3/27/2012	721.23	NM	31.03	690.22	31.00	0.03
		5/4/2012	721.23	NM	28.85	692.38	28.85	--
		8/29/2012	721.23	NM	33.88	687.35	--	--
		11/14/2012	721.23	NM	30.83	690.40	--	--
		2/18/2013	721.23	36.50	29.99	691.24	--	--
		3/28/2013	721.23	NM	30.65	690.58	30.65	--
		9/12/2013	721.23	32.92	28.93	692.30	--	--
		11/25/2013	721.23	NM	26.69	694.54	--	--
		3/18/2014	721.23	NM	30.15	691.15	30.07	0.08
		5/6/2014	721.23	41.12	30.51	690.72	--	--
	BW-11	12/10/2008	723.88	NM	22.91	700.98	22.89	0.02
		2/22/2010	723.88	33.11	22.47	701.46	22.41	0.06
		3/23/2010	723.88	NM	22.45	701.50	22.37	0.08
		5/24/2010	723.88	NM	22.32	701.81	22.02	0.30
		8/23/2010	723.88	NM	25.51	699.30	24.38	1.13
		10/14/2010	723.88	NM	28.59	695.38	28.48	0.11
		11/18/2010	723.88	NM	23.37	700.56	23.31	0.06
		12/6/2010	723.88	NM	23.05	700.87	23.00	0.05
		2/16/2011	723.88	NM	24.54	699.41	24.46	0.08
		3/11/2011	723.88	NM	21.37	702.54	21.33	0.04
		4/7/2011	723.88	NM	22.12	701.77	22.11	0.01
		6/3/2011	723.88	NM	21.64	702.24	--	--
		7/13/2011	723.88	NM	22.41	701.47	--	--
		8/3/2011	723.88	NM	22.98	700.90	--	--
		9/29/2011	723.88	NM	23.61	700.30	23.57	0.04
		11/7/2011	723.88	NM	23.29	700.59	--	--
		3/27/2012	723.88	NM	23.21	700.67	--	--
		9/20/2012	723.88	NM	23.80	700.16	23.70	0.10
		2/18/2013	723.88	30.73	22.45	701.43	--	--
		3/28/2013	723.88	NM	22.93	700.95	22.93	--
		9/12/2013	723.88	NM	27.29	696.59	--	--
		11/25/2013	723.88	NM	21.38	703.78	--	1.55
		3/18/2014	723.88	33.46	19.77	704.11	--	--
	BW-12	12/10/2008	722.17	NM	25.31	696.86	23.12	2.19
		11/2/2009	722.17	NM	18.64	703.53	17.65	0.99
		2/22/2010	722.17	33.00	21.16	701.09	21.06	0.10
		3/23/2010	722.17	NM	21.22	701.04	21.11	0.11
		5/24/2010	722.17	NM	21.06	701.24	20.90	0.16
		8/23/2010	722.17	NM	23.95	698.96	23.05	0.90
		10/14/2010	722.17	NM	28.36	693.98	28.16	0.20
		11/18/2010	722.17	NM	25.42	697.17	24.91	0.51

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Table 1. Monitoring Well Gauging Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014, Allison Transmission, Inc., Speedway, Indiana

Area	Well	Date	Top of Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		12/6/2010	722.17	NM	24.20	698.80	23.20	1.00
		2/16/2011	722.17	NM	24.72	698.00	24.05	0.67
		3/11/2011	722.17	NM	23.60	699.68	22.26	1.34
		4/7/2011	722.17	NM	24.90	698.94	22.88	2.02
		6/3/2011	722.17	NM	22.31	699.98	22.17	0.14
		7/13/2011	722.17	NM	22.20	700.07	22.08	0.12
		8/3/2011	722.17	NM	23.38	699.12	22.98	0.40
		9/29/2011	722.17	NM	28.35	695.44	26.39	1.96
		11/7/2011	722.17	NM	27.61	696.21	25.61	2.00
		12/8/2011	722.17	NM	29.95	694.92	26.68	3.27
		3/27/2012	722.17	NM	22.67	699.51	22.66	0.01
		9/20/2012	722.17	NM	Dry	Dry	--	--
		11/14/2012	722.17	NM	21.54	700.66	21.50	0.04
		2/18/2013	722.17	3.31	21.13	701.04	--	--
		3/28/2013	722.17	NM	21.65	700.53	21.64	0.01
		9/12/2013	722.17	NM	28.77	693.40	--	--
		11/25/2013	722.17	NM	28.05	695.05	NM	1.13
		3/18/2014	722.17	33.05	19.23	702.94	--	--
	BW-4	6/24/2004	726.25	43.10	24.85	701.44	24.80	0.05
		1/18/2008	726.25	NM	21.80	704.48	21.76	0.04
		12/10/2008	726.25	NM	22.49	703.77	22.48	0.01
		2/22/2010	726.25	39.25	23.57	702.73	23.51	0.06
		3/23/2010	726.25	NM	21.62	704.70	21.53	0.09
		5/24/2010	726.25	NM	21.39	704.91	21.33	0.06
		8/23/2010	726.25	NM	24.57	701.69	24.56	0.01
		10/14/2010	726.25	NM	29.75	696.52	29.73	0.02
		11/18/2010	726.25	NM	22.45	703.80	--	--
		12/6/2010	726.25	NM	21.95	704.30	--	--
		2/16/2011	726.25	NM	23.95	702.30	--	--
		3/11/2011	726.25	NM	20.81	705.44	--	--
		4/7/2011	726.25	NM	21.74	704.51	--	--
		6/3/2011	726.25	NM	26.31	699.94	--	--
		7/13/2011	726.25	NM	27.15	699.10	--	--
		8/3/2011	726.25	NM	29.60	696.65	--	--
		9/29/2011	726.25	NM	23.67	702.58	--	--
		11/7/2011	726.25	NM	22.64	703.68	22.55	0.09
		12/8/2011	726.25	NM	23.24	703.03	23.21	0.03
		3/27/2012	726.25	NM	27.55	698.74	27.50	0.05
		9/20/2012	726.25	NM	26.20	700.07	26.17	0.03
		11/14/2012	726.25	NM	25.52	700.80	25.44	0.08
		2/18/2013	726.25	39.10	27.62	721.47	27.60	0.02
		3/28/2013	726.25	NM	28.05	698.21	28.04	0.01
		9/12/2013	726.25	NM	28.76	697.50	28.75	0.01
		11/25/2013	726.25	NM	29.48	696.80	NM	0.04
		3/18/2014	726.25	38.79	19.40	706.85	--	--
	BW-5	5/16/2001	722.02	NM	28.06	693.96	--	--
		8/17/2001	722.02	38.00	30.20	691.82	30.18	0.02
		12/17/2001	722.02	NM	29.44	692.58	29.43	0.01
		3/14/2002	722.02	NM	30.20	691.82	--	--
		4/16/2002	722.02	35.30	29.70	692.32	29.68	0.02
		5/24/2002	722.02	35.12	27.80	694.22	26.80	1.00
		6/27/2002	722.02	35.14	30.19	691.83	30.18	0.01
		7/22/2002	722.02	35.52	33.60	688.42	33.50	0.10
		8/15/2002	722.02	35.55	34.40	687.62	--	--
		9/17/2002	722.02	35.50	34.40	687.62	--	--
		10/29/2002	722.02	35.52	34.55	687.47	--	--
		11/22/2002	722.02	35.60	29.73	692.29	29.72	0.01
		12/18/2002	722.02	35.59	33.79	688.23	--	--
		1/21/2003	722.02	35.52	33.51	688.51	33.50	0.01
		2/26/2003	722.02	35.52	31.81	690.21	--	--
		3/26/2003	722.02	35.52	32.94	689.08	--	--
		4/22/2003	722.02	35.57	33.67	688.35	--	--
		5/13/2003	722.02	35.54	34.33	687.69	--	--
		6/20/2003	722.02	35.50	27.87	694.15	--	--
		8/4/2003	722.02	35.45	34.00	688.02	33.99	0.01
		9/18/2003	722.02	35.46	34.45	687.57	--	--
		10/21/2003	722.02	35.42	34.46	687.56	--	--
		11/19/2003	722.02	NM	29.11	692.91	--	--
		12/17/2003	722.02	NM	29.49	692.53	--	--
		1/21/2004	722.02	35.42	29.32	692.70	--	--
		2/24/2004	722.02	35.43	32.12	689.90	--	--
		3/23/2004	722.02	35.52	33.58	688.44	--	--
		4/23/2004	722.02	NM	28.74	693.28	--	--
		5/19/2004	722.02	35.52	29.34	692.68	--	--
		6/24/2004	722.02	35.46	28.30	693.72	--	--
		8/31/2004	722.02	35.46	28.43	693.59	--	--
		9/30/2004	722.02	35.52	29.29	692.73	--	--
		10/28/2004	722.02	35.46	28.07	693.95	--	--
		11/19/2004	722.02	35.52	29.48	692.54	--	--
		12/7/2004	722.02	35.52	29.75	692.27	--	--
		1/31/2005	722.02	35.52	29.91	692.11	--	--
		2/24/2005	722.02	35.52	27.49	694.53	--	--
		3/29/2005	722.02	35.52	29.28	692.74	--	--
		4/28/2005	722.02	35.52	30.46	691.56	--	--
		5/31/2005	722.02	35.52	33.21	688.81	--	--
		6/29/2005	722.02	35.52	31.87	690.15	--	--
		7/29/2005	722.02	35.26	28.22	693.80	28.18	0.04
		8/31/2005	722.02	35.26	28.47	693.55	--	--

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Table 1. Monitoring Well Gauging Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014, Allison Transmission, Inc., Speedway, Indiana

Area	Well	Date	Top of Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		9/30/2005	722.02	35.52	29.41	692.61	--	--
		10/31/2005	722.02	35.46	28.71	693.31	--	--
		11/29/2005	722.02	35.46	28.52	693.50	--	--
		12/22/2005	722.02	35.52	29.19	692.83	--	--
		1/31/2006	722.02	35.52	30.14	691.88	--	Sheen
		2/28/2006	722.02	35.52	31.47	690.55	--	Sheen
		3/30/2006	722.02	35.52	33.67	688.35	--	Sheen
		4/28/2006	722.02	35.52	30.38	691.64	--	Sheen
		5/30/2006	722.02	35.52	31.11	690.91	--	Sheen
		6/26/2006	722.02	35.52	29.86	692.16	--	Sheen
		8/16/2006	722.02	35.32	27.72	694.30	--	--
		8/29/2006	722.02	35.45	33.35	688.67	--	Sheen
		9/26/2006	722.02	35.45	27.51	694.51	--	Sheen
		10/18/2006	722.02	35.45	27.56	694.46	--	Sheen
		11/23/2006	722.02	35.45	26.50	695.52	--	Sheen
		12/18/2006	722.02	35.45	26.23	695.79	--	Sheen
		1/16/2007	722.02	35.45	24.31	697.71	--	--
		2/22/2007	722.02	35.45	23.97	698.05	--	--
		3/20/2007	722.02	35.45	32.81	689.21	--	--
		4/24/2007	722.02	35.45	29.75	692.27	--	--
		5/17/2007	722.02	35.45	29.61	692.41	--	--
		6/26/2007	722.02	35.45	29.96	692.06	--	--
		12/13/2007	722.02	35.72	29.44	692.58	--	--
		1/18/2008	722.02	36.00	29.70	722.02	--	--
		5/19/2008	722.02	NM	28.65	693.37	28.61	0.04
		9/25/2008	722.02	NM	31.13	690.89	--	Sheen
		12/10/2008	722.02	NM	27.92	694.10	--	--
		1/26/2009	722.02	35.00	33.32	688.70	--	--
		2/24/2009	722.02	35.00	34.37	687.65	--	--
		3/17/2009	722.02	35.00	29.86	692.16	29.85	0.01
		4/7/2009	722.02	35.00	32.91	689.12	32.90	0.01
		6/15/2009	722.02	34.50	29.31	692.80	29.20	0.11
		7/30/2009	722.02	NM	29.31	692.71	29.00	0.31
		8/26/2009	722.02	NM	34.15	687.87	--	--
		9/25/2009	722.02	34.50	31.20	690.82	31.10	0.10
		11/2/2009	722.02	NM	31.21	690.81	31.06	0.15
		12/18/2009	722.02	NM	31.20	690.82	31.08	0.12
		1/22/2010	722.02	NM	31.20	690.82	--	--
		2/22/2010	722.02	NM	33.57	688.45	--	--
		3/23/2010	722.02	NM	33.10	688.92	--	--
		5/24/2010	722.02	NM	29.40	692.62	--	--
		7/20/2010	722.02	NM	34.05	687.97	--	--
		8/23/2010	722.02	NM	30.04	691.98	--	--
		10/14/2010	722.02	NM	32.25	689.77	--	--
		11/18/2010	722.02	NM	32.22	689.80	--	--
		12/6/2010	722.02	NM	32.40	689.62	--	--
		1/10/2011	722.02	NM	34.16	687.86	--	--
		2/16/2011	722.02	NM	34.21	687.81	--	--
		3/11/2011	722.02	NM	25.81	696.37	25.62	0.19
		4/7/2011	722.02	NM	29.95	692.44	29.50	0.45
		5/6/2011	722.02	NM	25.77	696.52	25.44	0.33
		6/3/2011	722.02	NM	26.35	695.88	26.10	0.25
		7/13/2011	722.02	NM	31.30	690.72	--	--
		8/3/2011	722.02	NM	31.66	690.37	31.65	0.01
		8/15/2011	722.02	NM	31.66	690.37	31.65	0.01
		9/29/2011	722.02	36.54	27.85	694.17	--	--
		11/7/2011	722.02	NM	33.95	688.07	--	--
		12/8/2011	722.02	NM	34.05	687.97	--	--
		1/6/2012	722.02	NM	33.22	688.80	--	--
		2/10/2012	722.02	NM	27.06	694.96	26.97	0.09
		3/27/2012	722.02	NM	29.22	692.80	--	--
		5/4/2012	722.02	NM	29.12	692.90	--	--
		8/29/2012	722.02	NM	31.09	690.93	--	--
		11/14/2012	722.02	NM	33.91	688.11	--	--
		2/18/2013	722.02	34.10	32.85	689.17	--	--
		3/28/2013	722.02	NM	32.45	689.57	32.45	--
		9/12/2013	722.02	38.69	28.39	693.63	--	--
		11/25/2013	722.02	NM	29.75	692.27	--	--
		3/18/2014	722.02	NM	33.25	688.77	--	--
		5/6/2014	722.02	37.05	34.06	687.96	--	--
	RW-6	5/16/2001	721.71	NM	27.26	694.45	--	--
		8/17/2001	721.71	36.50			--	--
		12/17/2001	721.71	NM	29.65	692.06	29.64	0.01
		3/14/2002	721.71	NM	30.35	691.36	--	--
		4/16/2002	721.71	35.40	27.98	693.73	27.97	0.01
		5/24/2002	721.71	35.10	24.59	697.12	--	--
		6/27/2002	721.71	35.22	27.67	694.04	27.66	0.01
		7/22/2002	721.71	35.25	33.62	688.09	33.61	0.01
		8/15/2002	721.71	35.20	32.60	689.11	--	--
		9/17/2002	721.71	35.15	33.70	688.01	33.69	0.01
		10/29/2002	721.71	35.25	33.70	688.01	--	--
		11/22/2002	721.71	35.80	33.75	687.96	--	--
		12/18/2002	721.71	34.80	33.89	687.82	--	--
		1/21/2003	721.71	35.25	33.40	688.31	--	--
		2/26/2003	721.71	35.25	32.73	688.98	--	--
		3/26/2003	721.71	35.25	33.21	688.50	--	--
		4/22/2003	721.71	34.64	30.46	691.25	--	--
		5/13/2003	721.71	34.74	33.74	687.97	--	--
		6/20/2003	721.71	34.53	27.84	693.87	--	--

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Area	Well	Date	Top of Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		8/4/2003	721.71	34.95	32.96	688.75	32.95	0.01
		9/18/2003	721.71	34.98	32.86	688.85	--	--
		10/21/2003	721.71	34.64	33.53	688.18	--	--
		11/19/2003	721.71	NM	29.32	692.39	--	--
		12/17/2003	721.71	NM	29.70	692.01	--	--
		1/21/2004	721.71	34.64	29.53	692.18	--	--
		2/24/2004	721.71	35.25	32.67	689.04	--	--
		3/23/2004	721.71	35.25	30.37	691.34	--	--
		4/23/2004	721.71	NM	28.95	692.76	--	--
		5/19/2004	721.71	35.25	29.55	692.16	--	--
		6/24/2004	721.71	35.06	33.40	688.31	--	--
		8/31/2004	721.71	35.06	33.27	686.65	--	--
		9/30/2004	721.71	35.25	29.93	686.46	--	--
		10/28/2004	721.71	35.06	33.17	688.54	--	--
		11/19/2004	721.71	35.25	30.12	691.59	--	--
		12/7/2004	721.71	35.25	30.39	691.32	--	--
		1/31/2005	721.71	35.25	30.87	690.84	--	--
		2/24/2005	721.71	35.25	32.56	689.15	--	--
		3/29/2005	721.71	35.25	28.67	693.04	--	--
		4/28/2005	721.71	35.25	28.14	693.57	--	--
		5/31/2005	721.71	35.25	32.55	689.16	--	--
		6/29/2005	721.71	35.25	33.17	688.54	--	--
		7/29/2005	721.71	35.00	27.47	694.24	--	--
		8/31/2005	721.71	35.00	27.72	693.99	--	--
		9/30/2005	721.71	35.25	30.27	691.44	--	--
		10/31/2005	721.71	35.06	28.10	693.61	--	--
		11/29/2005	721.71	35.06	30.67	691.04	--	--
		12/22/2005	721.71	35.25	29.81	691.90	--	--
		1/31/2006	721.71	35.25	32.67	689.04	--	Sheen
		2/28/2006	721.71	35.25	30.62	691.09	--	Sheen
		3/30/2006	721.71	35.25	30.46	691.25	--	Sheen
		4/28/2006	721.71	35.25	28.72	692.99	--	Sheen
		5/30/2006	721.71	35.25	30.57	691.14	--	Sheen
		6/26/2006	721.71	35.25	29.91	691.80	--	Sheen
		8/16/2006	721.71	33.25	28.71	693.00	--	--
		8/29/2006	721.71	35.16	27.61	694.10	--	Sheen
		9/26/2006	721.71	35.16	27.00	694.71	--	Sheen
		10/18/2006	721.71	35.16	27.04	694.67	--	Sheen
		11/23/2006	721.71	35.16	26.37	695.34	--	Sheen
		12/18/2006	721.71	35.16	26.11	695.60	--	Sheen
		1/16/2007	721.71	35.16	28.45	693.26	--	--
		2/22/2007	721.71	35.16	27.82	693.89	--	--
		3/20/2007	721.71	35.16	29.61	692.10	--	--
		4/24/2007	721.71	35.16	28.05	693.66	--	--
		5/17/2007	721.71	35.16	29.69	692.02	--	--
		6/26/2007	721.71	35.16	DRY	DRY	--	--
		12/13/2007	721.71	35.70	29.44	692.27	--	--
		1/18/2008	721.71	35.10	27.55	694.16	--	--
		5/19/2008	721.71	35.20	30.30	691.41	--	--
		9/25/2008	721.71	NM	33.52	688.19	33.50	0.02
		12/10/2008	721.71	NM	30.71	691.00	30.42	0.29
		1/26/2009	721.71	37.00	33.73	687.98	--	--
		2/24/2009	721.71	37.00	29.78	691.96	29.76	0.02
		3/17/2009	721.71	37.00	27.28	694.43	--	--
		4/7/2009	721.71	37.00	32.80	688.91	--	--
		6/15/2009	721.71	35.64	29.82	691.89	29.82	--
		7/30/2009	721.71	NM	29.93	691.78	29.85	0.08
		8/26/2009	721.71	NM	31.16	690.55	--	--
		9/25/2009	721.71	35.64	31.91	689.80	31.85	0.06
		11/2/2009	721.71	NM	31.98	689.73	31.91	0.07
		12/18/2009	721.71	NM	31.91	689.80	31.02	0.89
		1/22/2010	721.71	NM	31.91	689.80	--	--
		2/22/2010	721.71	NM	32.52	689.19	--	--
		3/23/2010	721.71	NM	28.55	693.16	28.55	--
		5/24/2010	721.71	NM	29.86	691.85	29.86	--
		7/20/2010	721.71	NM	33.73	687.98	--	--
		8/23/2010	721.71	NM	32.72	688.99	--	--
		10/14/2010	721.71	NM	34.10	687.61	--	--
		11/18/2010	721.71	NM	33.92	687.79	--	--
		12/6/2010	721.71	NM	33.20	688.51	--	--
		1/10/2011	721.71	NM	28.91	692.80	--	--
		2/16/2011	721.71	NM	33.94	687.77	--	--
		3/11/2011	721.71	NM	28.48	693.24	28.47	0.01
		4/7/2011	721.71	NM	33.88	687.83	--	--
		5/6/2011	721.71	NM	27.54	694.17	27.51	0.03
		6/3/2011	721.71	NM	33.81	687.90	--	--
		7/13/2011	721.71	NM	34.05	687.66	--	--
		8/3/2011	721.71	NM	33.10	688.61	--	--
		8/15/2011	721.71	NM	33.10	688.61	--	--
		9/29/2011	721.71	35.78	28.93	692.78	--	--
		11/7/2011	721.71	NM	28.45	693.26	--	--
		12/8/2011	721.71	NM	27.69	694.02	--	--
		1/6/2012	721.71	NM	27.18	694.53	--	--
		2/10/2012	721.71	NM	27.60	694.11	--	--
		3/27/2012	721.71	NM	28.59	693.12	--	--
		5/4/2012	721.71	NM	27.98	693.73	--	--
		8/29/2012	721.71	NM	31.95	689.76	--	--
		11/14/2012	721.71	NM	30.98	690.73	--	--
		2/18/2013	721.71	29.33	35.70	686.01	--	--
		3/28/2013	721.71	NM	29.90	691.81	29.90	--

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Table 1. Monitoring Well Gauging Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014, Allison Transmission, Inc., Speedway, Indiana

Area	Well	Date	Top of Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		9/12/2013	721.71	35.48	33.03	688.68	--	--
		11/25/2013	721.71	NM	28.78	692.93	--	--
		3/18/2014	721.71	NM	30.49	691.23	30.48	0.01
		5/6/2014	721.71	35.60	32.27	689.44	--	--
	BW-7	5/16/2001	722.34	NM	33.40	688.94	--	--
		8/17/2001	722.34	37.10			--	--
		3/14/2002	722.34	NM	28.90	693.44	--	--
		4/16/2002	722.34	37.00	34.35	687.99	--	--
		5/24/2002	722.34	36.35	32.01	690.33	31.20	0.81
		6/27/2002	722.34	36.30	32.01	690.33	32.00	0.01
		7/22/2002	722.34	36.40	35.41	686.93	35.40	0.01
		8/15/2002	722.34	36.35	35.62	686.72	--	--
		9/17/2002	722.34	36.30	35.00	687.34	--	--
		10/29/2002	722.34	36.40	35.20	687.14	34.85	0.35
		11/22/2002	722.34	36.40	35.10	687.24	--	--
		12/18/2002	722.34	36.40	36.23	686.11	--	--
		1/21/2003	722.34	36.40	33.31	689.03	--	--
		2/26/2003	722.34	36.40	28.10	694.24	27.89	0.21
		3/26/2003	722.34	35.41	34.56	687.78	--	--
		4/22/2003	722.34	36.40	27.65	694.69	--	--
		5/13/2003	722.34	36.50	34.72	687.62	--	--
		6/20/2003	722.34	35.44	27.73	694.61	27.72	0.01
		8/4/2003	722.34	36.41	34.97	687.37	34.96	0.01
		9/18/2003	722.34	36.42	35.10	687.24	--	--
		10/21/2003	722.34	36.46	32.81	689.53	--	--
		11/19/2003	722.34	NM	32.55	689.79	--	--
		12/17/2003	722.34	NM	32.39	689.95	--	--
		1/21/2004	722.34	36.46	29.76	692.58	--	--
		2/24/2004	722.34	36.42	28.52	693.82	--	--
		3/23/2004	722.34	36.40	27.56	694.78	--	--
		4/23/2004	722.34	NM	33.18	689.16	--	--
		5/19/2004	722.34	36.40	28.92	693.42	--	--
		6/24/2004	722.34	36.30	34.20	688.14	--	--
		8/31/2004	722.34	36.30	33.89	688.45	--	--
		9/30/2004	722.34	36.40	28.70	693.64	--	--
		10/28/2004	722.34	36.30	33.97	688.37	--	--
		11/19/2004	722.34	36.40	28.89	693.45	--	--
		12/7/2004	722.34	36.40	29.16	693.18	--	--
		1/31/2005	722.34	36.40	29.12	693.22	--	--
		2/24/2005	722.34	36.40	27.21	695.13	--	--
		3/29/2005	722.34	36.40	30.34	692.00	--	--
		4/28/2005	722.34	36.40	31.22	691.12	--	--
		5/31/2005	722.34	36.40	28.73	693.61	--	--
		6/29/2005	722.34	36.40	32.91	689.43	--	--
		7/29/2005	722.34	36.17	29.08	693.26	--	--
		8/31/2005	722.34	36.17	29.33	693.01	--	--
		9/30/2005	722.34	36.40	27.91	694.43	--	--
		10/31/2005	722.34	36.30	29.93	692.41	--	--
		11/29/2005	722.34	36.30	28.97	693.37	--	--
		12/22/2005	722.34	36.40	27.63	694.71	--	--
		1/31/2006	722.34	36.40	27.43	694.91	--	Sheen
		2/28/2006	722.34	36.40	29.45	692.89	--	Sheen
		3/30/2006	722.34	36.40	31.22	691.12	--	Sheen
		4/28/2006	722.34	36.40	30.67	691.67	--	Sheen
		5/30/2006	722.34	36.40	30.61	691.73	--	Sheen
		6/26/2006	722.34	36.40	31.39	690.95	--	Sheen
		8/16/2006	722.34	36.42	27.88	694.46	--	--
		8/29/2006	722.34	36.42	28.28	694.06	--	Sheen
		9/26/2006	722.34	36.42	28.02	694.32	--	Sheen
		10/18/2006	722.34	36.42	28.91	693.43	28.01	0.90
		11/23/2006	722.34	36.42	27.92	694.42	26.54	1.38
		12/18/2006	722.34	36.42	27.26	695.08	26.21	1.05
		1/16/2007	722.34	36.42	25.67	696.67	24.90	0.77
		2/22/2007	722.34	36.42	25.14	697.20	24.81	0.33
		3/20/2007	722.34	36.42	31.12	691.22	30.86	0.26
		4/24/2007	722.34	36.42	29.87	692.47	29.60	0.27
		5/17/2007	722.34	36.42	30.97	691.37	30.74	0.23
		6/26/2007	722.34	36.42	NM	NM	--	--
		12/13/2007	722.34	36.40	NM	NM	--	--
		1/18/2008	722.34	NM	NM	NM	--	--
		5/19/2008	722.34	NM	29.60	692.74	29.35	0.25
		9/25/2008	722.34	NM	35.63	686.71	--	Sheen
		12/10/2008	722.34	NM	29.48	692.86	28.59	0.89
		1/26/2009	722.34	40.00	30.02	692.46	29.85	0.17
		2/24/2009	722.34	40.00	30.08	693.07	29.10	0.98
		3/17/2009	722.34	40.00	29.97	692.37	--	--
		4/7/2009	722.34	40.00	33.05	690.01	32.18	0.87
		6/15/2009	722.34	35.91	30.71	691.64	30.70	0.01
		7/30/2009	722.34	NM	30.70	691.64	30.70	--
		8/26/2009	722.34	NM	31.22	691.12	31.15	0.07
		9/25/2009	722.34	35.91	31.95	690.39	31.95	--
		11/2/2009	722.34	NM	31.91	690.43	31.86	0.05
		12/18/2009	722.34	NM	31.91	690.43	31.75	0.16
		1/22/2010	722.34	NM	31.91	690.43	--	--
		2/22/2010	722.34	NM	31.36	690.98	--	--
		3/23/2010	722.34	NM	30.96	692.79	29.25	1.71
		5/24/2010	722.34	NM	36.04	686.30	--	--
		7/20/2010	722.34	NM	31.55	691.20	31.06	0.49
		8/23/2010	722.34	NM	31.31	691.03	--	--

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Table 1. Monitoring Well Gauging Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014, Allison Transmission, Inc., Speedway, Indiana

Area	Well	Date	Top of Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		10/14/2010	722.34	NM	31.44	690.90	30.99	0.45
		11/18/2010	722.34	NM	31.90	690.44	--	slight sheen
		12/6/2010	722.34	NM	31.85	690.49	--	--
		1/10/2011	722.34	NM	30.27	692.07	--	--
		2/16/2011	722.34	NM	32.12	690.22	--	--
		3/11/2011	722.34	NM	31.42	693.32	28.52	2.90
		4/7/2011	722.34	NM	30.61	691.78	30.55	0.06
		5/6/2011	722.34	NM	28.80	694.44	27.71	1.09
		6/3/2011	722.34	NM	29.85	692.49	--	--
		7/13/2011	722.34	NM	30.95	691.39	--	--
		8/3/2011	722.34	NM	31.56	690.78	--	--
		8/15/2011	722.34	NM	31.56	690.78	--	--
		9/29/2011	722.34	36.93	31.69	691.10	31.14	0.55
		11/7/2011	722.34	NM	30.92	691.43	30.91	0.01
		12/8/2011	722.34	NM	29.47	692.87	--	--
		1/6/2012	722.34	NM	28.01	694.33	--	--
		2/10/2012	722.34	NM	28.59	693.75	--	--
		3/27/2012	722.34	NM	33.09	689.25	--	--
		5/4/2012	722.34	NM	30.41	692.27	30.00	0.41
		8/29/2012	722.34	NM	36.13	686.21	--	--
		11/14/2012	722.34	NM	31.60	690.84	31.48	0.12
		2/18/2013	722.34	36.95	35.42	686.92	--	--
		3/28/2013	722.34	NM	35.44	686.90	--	--
		9/12/2013	722.34	39.45	34.81	687.55	34.78	0.03
		11/25/2013	722.34	NM	32.01	690.33	--	--
		3/18/2014	722.34	NM	31.10	691.48	30.81	0.29
		5/6/2014	722.34	37.72	35.01	687.33	--	--
	BW-8	5/16/2001	721.38	NM	30.76	690.62	--	--
		8/17/2001	721.38	36.70	29.65	691.73	29.45	0.20
		3/14/2002	721.38	NM	28.50	692.88	--	--
		4/16/2002	721.38	33.10	30.55	690.83	30.53	0.02
		5/24/2002	721.38	33.10	30.35	691.03	--	--
		6/27/2002	721.38	33.10	29.65	691.73	29.64	0.01
		7/22/2002	721.38	31.10	29.41	691.97	29.40	0.01
		8/15/2002	721.38	33.10	32.10	689.28	--	--
		9/17/2002	721.38	33.05	28.71	692.67	28.70	0.01
		10/29/2002	721.38	31.10	30.10	691.28	30.00	0.10
		11/22/2002	721.38	33.08	29.47	691.91	29.45	0.02
		12/18/2002	721.38	33.06	30.60	690.78	30.59	0.01
		1/21/2003	721.38	31.10	29.76	691.62	29.75	0.01
		2/26/2003	721.38	31.10	31.00	690.38	29.98	1.02
		3/26/2003	721.38	31.10	29.90	691.48	29.87	0.03
		4/22/2003	721.38	32.69	31.33	690.05	--	--
		5/13/2003	721.38	32.74	27.05	694.33	--	--
		6/20/2003	721.38	32.73	26.70	694.68	--	--
		8/4/2003	721.38	36.00	31.94	689.44	--	--
		9/18/2003	721.38	36.00	32.00	689.38	--	--
		10/21/2003	721.38	35.85	29.93	691.45	--	--
		11/19/2003	721.38	NM	30.10	691.28	--	--
		12/17/2003	721.38	NM	30.48	690.90	--	--
		1/21/2004	721.38	35.85	32.31	689.07	--	--
		2/24/2004	721.38	33.05	29.46	691.92	--	--
		3/23/2004	721.38	33.10	31.24	690.14	--	--
		4/23/2004	721.38	NM	29.73	691.65	--	--
		5/19/2004	721.38	35.95	32.24	689.14	--	--
		6/24/2004	721.38	35.90	32.20	689.18	--	--
		8/31/2004	721.38	35.90	32.04	689.34	--	--
		9/30/2004	721.38	35.95	32.08	689.30	--	--
		10/28/2004	721.38	35.90	31.91	689.47	--	--
		11/19/2004	721.38	35.95	32.27	689.11	--	--
		12/7/2004	721.38	35.95	32.54	688.84	--	--
		1/31/2005	721.38	35.95	29.76	691.62	--	--
		2/24/2005	721.38	35.95	31.73	689.65	--	--
		3/29/2005	721.38	35.95	29.95	691.43	--	--
		4/28/2005	721.38	35.95	30.14	691.24	--	--
		5/31/2005	721.38	35.95	27.89	693.49	--	--
		6/29/2005	721.38	35.95	28.43	692.95	--	--
		7/29/2005	721.38	30.83	29.81	691.57	--	--
		8/31/2005	721.38	30.83	30.06	691.32	--	--
		9/30/2005	721.38	35.95	31.65	689.73	--	--
		10/31/2005	721.38	35.90	28.38	693.00	--	--
		11/29/2005	721.38	35.90	28.41	692.97	--	--
		12/22/2005	721.38	35.95	31.31	690.07	--	--
		1/31/2006	721.38	35.95	31.91	689.47	--	Sheen
		2/28/2006	721.38	35.95	30.21	691.17	--	Sheen
		3/30/2006	721.38	35.95	30.14	691.24	--	Sheen
		4/28/2006	721.38	35.95	29.95	691.43	--	Sheen
		5/30/2006	721.38	35.95	28.56	692.82	--	Sheen
		6/26/2006	721.38	35.95	29.99	691.39	--	Sheen
		8/16/2006	721.38	36.00	28.91	692.47	--	--
		8/29/2006	721.38	31.22	27.03	694.35	--	Sheen
		9/26/2006	721.38	31.22	26.71	694.67	--	Sheen
		10/18/2006	721.38	31.22	26.82	694.56	26.81	0.01
		11/23/2006	721.38	31.22	25.63	695.75	--	Sheen
		12/18/2006	721.38	31.22	25.25	696.13	25.23	0.02
		1/16/2007	721.38	31.22	23.89	697.49	--	--
		2/22/2007	721.38	31.22	23.81	697.57	--	--
		3/20/2007	721.38	31.22	29.74	691.64	--	Sheen
		4/24/2007	721.38	31.22	29.78	691.60	--	--

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Area	Well	Date	Top of Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		5/17/2007	721.38	31.22	29.64	691.74	--	--
		6/26/2007	721.38	31.22	NM	NM	--	--
		12/13/2007	721.38	36.04	29.95	691.43	29.93	0.02
		1/18/2008	721.38	NM	NM	NM	--	--
		5/19/2008	721.38	NM	29.70	691.68	--	--
		9/25/2008	721.38	NM	33.91	687.47	33.90	0.01
		12/10/2008	721.38	NM	31.07	690.31	--	--
		1/26/2009	721.38	37.00	33.07	688.38	32.99	0.08
		2/24/2009	721.38	37.00	29.90	692.29	28.92	0.98
		3/17/2009	721.38	37.00	32.94	688.44	--	--
		4/7/2009	721.38	37.00	29.65	691.81	29.55	0.10
		6/15/2009	721.38	35.09	31.68	691.17	29.90	1.78
		7/30/2009	721.38	NM	30.10	691.28	29.56	0.54
		8/26/2009	721.38	NM	31.09	690.29	29.96	1.13
		9/25/2009	721.38	35.09	31.10	690.28	31.06	0.04
		11/2/2009	721.38	NM	31.02	690.36	30.92	0.10
		12/18/2009	721.38	NM	31.10	690.28	31.06	0.04
		1/22/2010	721.38	NM	31.10	690.28	--	--
		2/22/2010	721.38	NM	31.49	690.69	30.52	0.97
		3/23/2010	721.38	NM	29.91	692.13	29.11	0.80
		5/24/2010	721.38	NM	30.85	690.53	--	--
		7/20/2010	721.38	NM	30.14	691.60	29.70	0.44
		8/23/2010	721.38	NM	30.55	690.83	--	--
		10/14/2010	721.38	NM	33.08	688.30	--	--
		11/18/2010	721.38	NM	31.31	690.24	31.11	0.20
		12/6/2010	721.38	NM	31.42	691.13	30.01	1.41
		1/10/2011	721.38	NM	29.66	691.73	29.65	0.01
		2/16/2011	721.38	NM	33.02	688.36	--	--
		3/11/2011	721.38	NM	29.61	691.78	29.60	0.01
		4/7/2011	721.38	NM	30.11	691.36	30.00	0.11
		5/6/2011	721.38	NM	30.58	691.82	29.35	1.23
		6/3/2011	721.38	NM	33.15	688.23	--	--
		7/13/2011	721.38	NM	33.15	688.23	--	--
		8/3/2011	721.38	NM	30.45	690.93	--	--
		8/15/2011	721.38	NM	30.45	690.93	--	--
		9/29/2011	721.38	36.91	32.93	688.49	32.88	0.05
		11/7/2011	721.38	NM	33.21	688.17	--	--
		12/8/2011	721.38	NM	28.25	693.13	--	--
		1/6/2012	721.38	NM	29.35	692.91	28.28	1.07
		2/10/2012	721.38	NM	27.86	693.52	--	--
		3/27/2012	721.38	NM	29.57	691.81	--	--
		5/4/2012	721.38	NM	29.25	692.75	28.50	0.75
		8/29/2012	721.38	NM	29.50	691.88	--	--
		11/14/2012	721.38	NM	33.15	688.23	33.12	--
		2/18/2013	721.38	35.35	32.90	688.48	--	--
		3/28/2013	721.38	NM	32.18	689.20	32.18	--
		9/12/2013	721.38	38.95	28.73	692.67	28.70	0.03
		11/25/2013	721.38	NM	29.38	692.65	--	--
		3/18/2014	721.38	NM	28.76	693.75	27.39	1.37
		5/6/2014	721.38	40.05	32.97	688.41	--	--
	BW-9	5/16/2001	720.36	NM	26.80	693.56	--	--
		8/17/2001	720.36	34.50	30.80	689.56	30.78	0.02
		3/14/2002	720.36	NM	31.91	688.45	--	--
		4/16/2002	720.36	33.72	31.26	689.10	31.25	0.01
		5/24/2002	720.36	33.70	23.42	696.94	--	--
		6/27/2002	720.36	33.73	30.45	689.91	30.44	0.01
		7/22/2002	720.36	33.71	30.62	689.74	30.61	0.01
		8/15/2002	720.36	33.78	30.10	690.26	--	--
		9/17/2002	720.36	33.71	30.35	690.01	30.34	0.01
		10/29/2002	720.36	33.71	30.50	689.86	--	--
		11/22/2002	720.36	31.35	30.95	689.41	--	--
		12/18/2002	720.36	NM	33.76	686.60	--	--
		1/21/2003	720.36	33.71	30.72	689.64	30.71	0.01
		2/26/2003	720.36	33.71	29.41	690.95	--	--
		3/26/2003	720.36	33.71	29.93	690.43	--	--
		4/22/2003	720.36	33.66	30.12	690.24	--	--
		5/13/2003	720.36	33.70	31.15	689.21	--	--
		6/20/2003	720.36	28.59	25.40	694.96	--	--
		8/4/2003	720.36	33.70	31.46	688.90	31.45	0.01
		9/18/2003	720.36	33.70	31.46	688.90	--	--
		10/21/2003	720.36	33.82	31.46	688.90	--	--
		11/19/2003	720.36	NM	29.49	690.87	--	--
		12/17/2003	720.36	NM	29.87	690.49	--	--
		1/21/2004	720.36	33.82	30.70	689.66	--	--
		2/24/2004	720.36	33.71	30.32	690.04	--	--
		3/23/2004	720.36	33.70	30.03	690.33	--	--
		4/23/2004	720.36	NM	29.12	691.24	--	--
		5/19/2004	720.36	33.71	29.72	690.64	--	--
		6/24/2004	720.36	33.70	31.50	688.86	--	--
		8/31/2004	720.36	33.70	31.36	686.66	--	--
		9/30/2004	720.36	33.71	29.72	686.65	--	--
		10/28/2004	720.36	33.70	31.24	689.12	--	--
		11/19/2004	720.36	33.71	29.91	690.45	--	--
		12/7/2004	720.36	33.71	30.18	690.18	--	--
		1/31/2005	720.36	33.71	31.14	689.22	--	--
		2/24/2005	720.36	33.71	30.27	690.09	--	--
		3/29/2005	720.36	33.71	30.67	689.69	--	--
		4/28/2005	720.36	33.71	27.64	692.72	--	--
		5/31/2005	720.36	33.71	29.53	690.83	--	--

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Table 1. Monitoring Well Gauging Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014, Allison Transmission, Inc., Speedway, Indiana

Area	Well	Date	Top of Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		6/29/2005	720.36	33.71	27.24	693.12	--	--
		7/29/2005	720.36	33.72	31.50	688.86	--	--
		8/31/2005	720.36	33.72	31.75	688.61	--	--
		9/30/2005	720.36	33.71	29.74	690.62	--	--
		10/31/2005	720.36	33.70	31.97	688.39	--	--
		11/29/2005	720.36	33.70	30.03	690.33	--	--
		12/22/2005	720.36	33.71	29.47	690.89	--	--
		1/31/2006	720.36	33.71	30.44	689.92	--	Sheen
		2/28/2006	720.36	33.71	29.73	690.63	--	Sheen
		3/30/2006	720.36	33.71	27.64	692.72	--	Sheen
		4/28/2006	720.36	33.71	28.88	691.48	--	Sheen
		5/30/2006	720.36	33.71	28.56	691.80	--	Sheen
		6/26/2006	720.36	33.71	28.25	692.11	--	Sheen
		8/16/2006	720.36	33.20	25.75	694.61	--	--
		8/29/2006	720.36	34.83	26.88	693.48	--	Sheen
		9/26/2006	720.36	34.83	25.50	694.86	--	Sheen
		10/18/2006	720.36	34.83	25.96	694.40	--	Sheen
		11/23/2006	720.36	34.83	24.47	695.89	--	Sheen
		12/18/2006	720.36	34.83	24.43	695.93	--	Sheen
		1/16/2007	720.36	34.83	25.34	695.02	--	--
		2/22/2007	720.36	34.83	24.97	695.39	--	--
		3/20/2007	720.36	34.83	27.23	693.13	--	--
		4/24/2007	720.36	34.83	26.89	693.47	--	--
		5/17/2007	720.36	34.83	28.15	692.21	--	--
		6/26/2007	720.36	34.83	NM	NM	--	--
		12/13/2007	720.36	33.95	31.81	688.55	31.72	0.09
		1/18/2008	720.36	NM	NM	NM	--	--
		5/19/2008	720.36	NM	25.51	694.85	--	--
		9/25/2008	720.36	NM	30.89	689.47	--	Sheen
		12/10/2008	720.36	NM	27.15	693.21	26.52	0.63
		1/26/2009	720.36	35.00	32.43	687.93	--	--
		2/24/2009	720.36	35.00	32.45	687.91	--	--
		3/17/2009	720.36	35.00	28.56	691.80	--	--
		4/7/2009	720.36	35.00	29.27	691.09	--	--
		6/15/2009	720.36	35.45	32.23	688.13	--	--
		7/30/2009	720.36	NM	31.06	689.30	31.05	0.01
		8/26/2009	720.36	NM	31.35	689.01	--	--
		9/25/2009	720.36	35.45	31.80	688.56	31.75	0.05
		11/2/2009	720.36	NM	31.65	688.71	31.54	0.11
		12/18/2009	720.36	NM	31.95	688.41	31.86	0.09
		1/22/2010	720.36	NM	31.95	688.41	--	--
		2/22/2010	720.36	NM	28.61	691.75	--	--
		3/23/2010	720.36	NM	32.23	688.13	--	--
		5/24/2010	720.36	NM	28.45	691.91	--	--
		7/20/2010	720.36	NM	27.27	693.09	--	--
		8/23/2010	720.36	NM	31.25	689.11	--	--
		10/14/2010	720.36	NM	31.45	688.91	--	--
		11/18/2010	720.36	NM	32.12	688.24	--	--
		12/6/2010	720.36	NM	32.35	688.01	--	--
		1/10/2011	720.36	NM	32.42	687.94	--	--
		2/16/2011	720.36	NM	31.95	688.41	--	--
		3/11/2011	720.36	NM	31.81	688.55	--	--
		4/7/2011	720.36	NM	29.40	690.96	--	--
		5/6/2011	720.36	NM	24.13	696.23	24.12	0.01
		6/3/2011	720.36	NM	26.80	693.56	--	--
		7/13/2011	720.36	NM	32.05	688.31	--	--
		8/3/2011	720.36	NM	28.27	692.09	--	--
		8/15/2011	720.36	NM	28.27	692.09	--	--
		9/29/2011	720.36	33.76	27.66	692.71	27.65	0.01
		11/7/2011	720.36	NM	26.85	693.51	--	--
		12/8/2011	720.36	NM	33.72	686.64	--	--
		1/6/2012	720.36	NM	28.46	691.90	--	--
		2/10/2012	720.36	NM	27.43	692.93	--	--
		3/27/2012	720.36	NM	26.81	693.55	--	--
		5/4/2012	720.36	NM	30.48	689.88	--	--
		11/14/2012	720.36	NM	29.85	690.51	--	--
		2/18/2013	720.36	33.78	32.29	688.07	--	--
		3/28/2013	720.36	NM	31.70	688.66	--	--
		9/12/2013	720.36	31.05	26.43	693.93	--	--
		11/25/2013	720.36	NM	28.73	691.63	--	--
		3/18/2014	720.36	NM	23.88	696.48	--	--
		5/6/2014	720.36	37.09	DRY	DRY	--	--
	EAGLE CR_Gas Alley	1/26/2009	723.30	NM	30.15	693.15	--	--
		2/24/2009	723.30	NM	30.47	692.83	--	--
		3/17/2009	723.30	NM	30.48	692.82	--	--
		4/7/2009	723.30	NM	30.05	693.25	--	--
		6/15/2009	723.30	NM	30.11	693.19	--	--
		7/30/2009	723.30	NM	30.11	693.19	--	--
		8/26/2009	723.30	NM	31.31	691.99	--	--
		9/25/2009	723.30	NM	31.20	692.10	--	--
		11/2/2009	723.30	NM	31.01	692.29	--	--
		12/18/2009	723.30	NM	30.90	692.40	--	--
		1/22/2010	723.30	NM	30.90	692.40	--	--
		2/22/2010	723.30	NM	30.21	693.09	--	--
		3/23/2010	723.30	NM	30.00	693.30	--	--
		5/24/2010	723.30	NM	30.60	692.70	--	--
		7/20/2010	723.30	NM	30.85	692.45	--	--
		8/23/2010	723.30	NM	31.26	692.04	--	--
		10/14/2010	723.30	NM	31.31	691.99	--	--

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Area	Well	Date	Top of Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		11/18/2010	723.30	NM	31.18	692.12	--	--
		12/6/2010	723.30	NM	31.40	691.90	--	--
		1/10/2011	723.30	NM	31.19	692.11	--	--
		5/6/2011	723.30	--	29.60	693.70	--	--
		6/3/2011	723.30	NM	30.85	692.45	--	--
		7/13/2011	723.30	--	31.20	692.10	--	--
		8/15/2011	723.30	--	31.41	691.89	--	--
		9/29/2011	723.30	--	31.15	692.15	--	--
		11/7/2011	723.30	--	31.15	692.15	--	--
		12/8/2011	723.30	--	30.07	693.23	--	--
		1/6/2012	723.30	--	31.08	692.22	--	--
		2/10/2012	723.30	--	30.31	692.99	--	--
		3/27/2012	723.30	NM	31.02	692.28	--	--
		5/4/2012	723.30	NM	29.75	693.55	--	--
		8/29/2012	723.30	NM	31.40	691.90	--	--
		11/14/2012	723.30	NM	31.20	692.10	--	--
		2/18/2013	723.30	--	31.25	692.05	--	--
		3/28/2013	723.30	NM	31.10	692.20	--	--
		9/12/2013	723.30	NM	30.71	692.59	--	--
		11/25/2013	723.30	NM	30.33	692.97	--	--
		3/18/2014	723.30	NM	30.20	693.10	--	--
		5/6/2014	723.30	NM	30.96	692.34	--	--
	MW-0104-S2	5/17/2001	719.04	23.50	21.20	697.84	--	--
		12/13/2001	719.04	23.54	19.80	699.24	--	--
		3/15/2002	719.04	NM	17.30	701.74	17.15	0.15
		5/24/2002	719.04	NM	15.02	704.02	--	Sheen
		5/22/2003	719.04	NM	15.71	703.33	--	--
		11/19/2003	719.04	NM	16.00	703.04	--	--
		5/18/2004	719.04	NM	16.32	702.72	--	--
		11/19/2004	719.04	23.45	15.93	703.11	--	--
		2/24/2005	719.04	23.45	16.37	702.67	--	Sheen
		3/29/2005	719.04	23.45	15.87	703.17	--	Sheen
		4/28/2005	719.04	23.45	16.08	702.96	--	Sheen
		5/31/2005	719.04	23.45	19.27	699.77	--	Sheen
		6/29/2005	719.04	23.45	20.87	698.17	--	Sheen
		7/29/2005	719.04	23.50	17.16	701.88	--	Sheen
		8/31/2005	719.04	23.50	17.14	701.90	--	Sheen
		9/30/2005	719.04	23.54	15.91	703.13	--	Sheen
		10/31/2005	719.04	23.54	17.81	701.23	--	Sheen
		11/29/2005	719.04	23.54	17.07	701.97	--	Sheen
		12/6/2005	719.04	23.45	16.32	702.72	--	Sheen
		1/31/2006	719.04	23.45	16.44	702.60	--	Sheen
		2/27/2006	719.04	23.33	16.99	702.05	--	Sheen
		2/28/2006	719.04	23.45	17.04	702.00	--	Sheen
		3/30/2006	719.04	23.49	16.31	702.73	--	Sheen
		4/10/2006	719.04	23.49	16.35	702.69	--	Sheen
		4/28/2006	719.04	23.49	16.17	702.87	--	Sheen
		5/30/2006	719.04	23.49	16.48	702.56	--	Sheen
		6/26/2006	719.04	23.49	16.50	702.54	--	Sheen
		8/29/2006	719.04	23.60	17.38	701.66	--	Sheen
		9/26/2006	719.04	23.60	17.26	701.78	--	Sheen
		10/18/2006	719.04	23.60	17.19	701.85	--	--
		11/23/2006	719.04	23.60	16.76	702.28	--	Sheen
		12/18/2006	719.04	23.60	16.74	702.30	--	--
		1/16/2007	719.04	23.60	15.12	703.92	--	--
		2/2/2007	719.04	23.33	15.73	703.31	--	--
		2/22/2007	719.04	23.33	14.89	704.15	--	--
		3/20/2007	719.04	23.33	15.89	703.15	--	--
		4/24/2007	719.04	23.33	16.18	702.86	--	--
		5/17/2007	719.04	23.33	16.27	702.77	--	--
		6/26/2007	719.04	23.33	18.52	700.52	--	--
		10/8/2007	719.04	23.56	18.26	700.78	--	--
		1/18/2008	719.04	23.56	19.27	702.82	--	--
		5/20/2008	719.04	23.60	16.22	702.82	--	--
		11/17/2008	719.04	23.60	17.48	701.56	--	--
		12/10/2008	719.04	NM	17.08	701.96	--	--
		2/10/2009	719.04	23.35	17.08	701.96	--	--
		3/27/2009	719.04	23.25	17.28	701.76	--	--
		4/7/2009	719.04	23.50	16.45	702.59	--	--
		9/25/2009	719.04	23.55	17.72	701.32	17.72	--
		11/2/2009	719.04	23.70	17.02	702.02	--	--
		2/22/2010	719.04	26.73	24.02	695.02	--	--
		4/30/2010	719.04	23.71	17.35	701.69	--	--
		5/24/2010	719.04	23.10	16.90	702.14	--	--
		10/14/2010	719.04	NM	19.06	699.98	--	--
		5/9/2011	719.58	22.78	16.03	703.55	--	--
		9/29/2011	719.58	NM	17.68	701.94	17.63	0.05
		3/27/2012	719.58	NM	17.80	701.79	17.79	0.01
		9/20/2012	719.58	23.05	18.25	701.33	--	--
		11/14/2012	719.58	23.23	17.67	701.91	--	--
		2/18/2013	719.58	22.90	17.47	702.15	--	0.05
		3/28/2013	719.58	23.23	17.58	702.07	17.50	0.08
		9/12/2013	719.58	22.97	18.32	700.72	--	--
		11/25/2013	719.58	22.95	17.27	702.34	17.23	0.04
		3/18/2014	719.58	22.95	16.91	702.67	--	--
	MW-0105-S2	5/16/2001	721.49	28.89	26.56	694.93	--	--
		3/15/2002	721.49	NM	23.45	698.04	23.40	0.05
		5/24/2002	721.49	NM	20.53	700.96	--	--

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Area	Well	Date	Top of Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		7/22/2002	721.49	28.25	22.81	698.68	22.80	0.01
		8/15/2002	721.49	NM	23.81	697.68	--	--
		9/17/2002	721.49	28.50	24.55	696.94	24.50	0.05
		10/29/2002	721.49	25.25	21.65	699.84	--	--
		11/22/2002	721.49	27.95	24.31	697.18	--	--
		12/18/2002	721.49	28.24	24.52	696.97	--	--
		1/21/2003	721.49	28.02	23.56	697.93	--	--
		5/22/2003	721.49	27.68	22.41	699.08	22.40	0.01
		8/1/2003	721.49	22.72	22.34	699.15	22.33	0.01
		10/21/2003	721.49	27.60	22.65	698.84	--	--
		11/19/2003	721.49	NM	23.01	698.48	--	--
		12/17/2003	721.49	27.50	23.47	698.02	--	--
		1/21/2004	721.49	27.60	22.29	699.20	--	--
		5/19/2004	721.49	27.50	23.38	698.11	23.30	0.08
		11/19/2004	721.49	27.80	23.54	697.95	23.27	0.27
		1/31/2005	721.49	27.80	20.79	700.70	20.73	0.06
		2/24/2005	721.49	27.80	21.81	699.68	--	Sheen
		3/29/2005	721.49	27.80	22.74	698.75	--	Sheen
		4/28/2005	721.49	27.80	21.52	699.97	--	Sheen
		5/31/2005	721.49	27.80	23.22	698.27	--	Sheen
		6/29/2005	721.49	27.80	24.23	697.26	--	Sheen
		7/29/2005	721.49	27.34	23.91	697.58	--	Sheen
		8/31/2005	721.49	27.34	24.16	697.33	--	Sheen
		9/30/2005	721.49	27.39	23.52	697.97	23.51	0.01
		10/31/2005	721.49	27.39	24.45	697.04	24.16	0.29
		11/29/2005	721.49	27.39	23.76	697.73	23.47	0.29
		12/6/2005	721.49	27.80	23.92	697.57	23.60	0.32
		12/22/2005	721.49	27.39	24.23	697.26	24.00	0.23
		1/31/2006	721.49	27.80	25.23	696.26	--	Sheen
		2/28/2006	721.49	27.80	23.45	698.04	--	Sheen
		3/30/2006	721.49	27.31	22.28	699.21	--	Sheen
		4/11/2006	721.49	27.31	22.35	699.14	--	Sheen
		4/28/2006	721.49	27.31	22.15	699.34	--	Sheen
		5/30/2006	721.49	27.31	22.48	699.01	--	Sheen
		6/26/2006	721.49	27.31	22.51	698.98	--	Sheen
		8/16/2006	721.49	27.40	23.81	697.68	--	--
		8/29/2006	721.49	27.44	23.84	697.65	--	Sheen
		9/26/2006	721.49	27.44	23.81	697.68	--	Sheen
		10/18/2006	721.49	27.44	23.90	697.59	--	--
		11/23/2006	721.49	27.44	23.05	698.44	--	Sheen
		12/18/2006	721.49	27.44	22.62	698.87	--	--
		1/16/2007	721.49	27.44	21.34	700.15	--	--
		2/2/2007	721.49	27.21	21.10	700.39	--	--
		2/22/2007	721.49	27.21	23.89	697.60	--	--
		3/20/2007	721.49	27.21	22.08	699.41	--	--
		4/24/2007	721.49	27.21	22.12	699.37	--	--
		5/17/2007	721.49	27.21	22.33	699.16	--	--
		6/26/2007	721.49	27.21	24.86	696.63	--	--
		7/24/2007	721.49	27.81	25.78	695.71	24.26	1.52
		8/20/2007	721.49	27.81	26.03	695.46	24.37	1.66
		10/8/2007	721.49	26.79	26.66	694.83	24.36	2.30
		10/22/2007	721.49	26.79	25.91	695.58	24.51	1.40
		11/15/2007	721.49	26.79	25.86	695.63	24.50	1.36
		12/13/2007	721.49	26.61	24.92	696.57	24.11	0.81
		1/18/2008	721.49	26.65	23.31	698.18	23.29	0.02
		2/7/2008	721.49	26.65	23.47	698.02	23.31	0.16
		3/10/2008	721.49	26.65	23.41	698.08	23.35	0.06
		4/7/2008	721.49	26.65	24.41	697.08	24.37	0.04
		5/20/2008	721.49	26.70	22.23	699.26	--	--
		6/26/2008	721.49	26.65	24.56	698.18	--	--
		7/31/2008	721.49	26.65	25.83	695.66	25.80	0.03
		8/27/2008	721.49	26.85	26.02	695.47	24.75	1.27
		10/29/2008	721.49	27.80	25.02	696.47	24.51	0.51
		11/24/2008	721.49	NM	24.96	696.53	24.54	0.42
		12/10/2008	721.49	NM	24.59	696.90	--	--
		1/26/2009	721.49	NM	24.78	NM	24.44	0.34
		3/24/2009	721.49	NM	24.87	NM	24.54	0.33
		11/2/2009	721.49	26.70	23.82	697.67	--	--
		12/18/2009	721.49	NM	25.40	696.09	25.35	0.05
		3/23/2010	721.49	NM	23.51	697.98	--	SHEEN
		5/24/2010	721.49	26.72	23.33	698.16	--	--
		8/23/2010	721.49	NM	24.36	697.14	24.35	0.01
		10/14/2010	721.49	26.61	24.58	696.91	--	--
		11/18/2010	721.49	NM	26.58	696.64	24.49	2.09
		12/6/2010	721.49	NM	25.30	696.93	24.41	0.90
		1/10/2011	721.49	26.65	26.40	696.82	24.31	2.09
		2/16/2011	721.49	26.63	26.43	696.84	24.28	2.15
		3/11/2011	721.49	26.62	21.80	699.69	--	--
		4/7/2011	721.49	26.60	24.06	698.54	22.72	1.34
		5/6/2011	721.49	NM	21.48	700.03	21.46	0.02
		6/3/2011	721.49	26.60	23.67	698.95	22.30	1.37
		7/13/2011	721.49	26.59	24.20	698.03	23.30	0.90
		8/3/2011	721.49	26.70	24.31	697.35	24.10	0.21
		8/15/2011	721.49	26.70	24.31	697.35	24.10	0.21
		9/29/2011	721.49	26.55	24.64	697.11	24.33	0.31
		11/7/2011	721.49	NM	24.70	697.39	24.10	0.60
		12/8/2011	721.49	26.62	23.70	697.79	--	--
		1/6/2012	721.49	26.69	23.05	698.44	--	--
		2/10/2012	721.49	26.60	23.00	698.49	--	--
		3/27/2012	721.49	26.68	24.00	697.49	--	--

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Table 1. Monitoring Well Gauging Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014, Allison Transmission, Inc., Speedway, Indiana

Area	Well	Date	Top of Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		5/4/2012	721.49	NM	23.90	697.77	23.68	0.22
		8/29/2012	721.49	26.50	24.70	696.96	24.50	0.20
		11/14/2012	721.49	26.50	24.35	697.21	24.27	0.08
		2/18/2013	721.49	26.98	23.71	698.04	23.40	0.31
		3/28/2013	721.49	26.50	24.55	696.94	24.55	0.00
		9/12/2013	721.49	26.91	24.75	696.91	24.55	0.20
		11/25/2013	721.49	26.89	23.40	698.09	--	--
		3/18/2014	721.49	26.91	21.97	699.52	--	--
		5/6/2014	721.49	27.93	22.08	699.41	--	--
	MW-0106-S2	5/17/2001	721.75	27.87	24.28	697.47	--	--
		3/15/2002	721.75	NM	23.20	698.55	--	Sheen
		5/24/2002	721.75	NM	20.47	701.28	--	--
		7/22/2002	721.75	27.85	22.57	699.18	22.56	0.01
		8/15/2002	721.75	NM	23.44	698.31	--	--
		9/17/2002	721.75	27.85	24.20	697.55	--	--
		10/29/2002	721.75	27.85	24.45	697.30	--	--
		11/22/2002	721.75	28.58	24.25	697.50	--	--
		12/18/2002	721.75	27.92	24.34	697.41	--	--
		1/21/2003	721.75	27.85	23.21	698.54	--	--
		5/22/2003	721.75	27.90	22.21	699.54	--	--
		8/1/2003	721.75	27.85	22.25	699.50	--	--
		11/19/2003	721.75	NM	22.98	698.77	--	--
		1/21/2004	721.75	27.80	22.17	699.58	--	--
		5/17/2004	721.75	27.85	21.20	700.55	--	--
		11/19/2004	721.75	27.65	23.39	698.36	--	--
		3/29/2005	721.75	27.65	24.39	697.36	--	--
		6/30/2005	721.75	27.65	24.02	697.73	--	--
		9/30/2005	721.75	27.65	23.37	698.38	--	--
		12/6/2005	721.75	27.65	23.78	697.97	--	--
		12/22/2005	721.75	27.65	24.08	697.67	--	--
		3/30/2006	721.75	27.62	26.01	695.74	--	--
		4/11/2006	721.75	27.62	22.52	699.23	--	--
		6/26/2006	721.75	27.62	22.67	699.08	--	--
		2/2/2007	721.75	27.61	21.03	700.72	--	--
		5/19/2008	721.75	27.56	23.19	698.56	--	--
		12/10/2008	721.75	NM	24.45	697.30	--	--
		4/7/2009	721.75	27.33	23.42	698.33	--	--
		11/2/2009	721.75	27.60	23.70	698.05	--	--
		5/24/2010	721.75	27.80	23.31	698.44	--	--
		8/23/2010	721.75	27.43	23.23	698.52	--	--
		10/14/2010	721.75	27.65	24.42	697.33	--	--
		11/18/2010	721.75	27.70	24.82	696.93	--	--
		12/6/2010	721.75	27.80	24.52	697.23	--	--
		1/10/2011	721.75	27.75	24.41	697.34	--	--
		2/16/2011	721.75	27.76	24.73	697.02	--	--
		4/7/2011	721.75	27.74	22.70	699.05	--	--
		7/13/2011	721.75	27.70	23.18	698.57	--	--
		9/29/2011	721.75	27.58	24.40	697.35	--	--
		11/7/2011	721.75	27.38	24.54	697.21	--	--
		3/27/2012	721.75	27.64	24.03	697.72	--	--
		11/14/2012	721.75	27.88	24.22	697.53	--	--
		3/28/2013	721.75	27.80	23.46	698.29	--	--
		9/12/2013	721.75	27.59	24.37	697.38	--	--
		3/18/2014	721.75	27.61	21.99	699.76	--	--
	MW-0107-S2	5/16/2001	719.98	27.53	23.00	696.98	--	--
		3/15/2002	719.98	NM	21.90	698.08	--	Sheen
		5/24/2002	719.98	NM	18.61	701.37	--	--
		7/22/2002	719.98	27.50	21.40	698.58	21.40	--
		8/15/2002	719.98	NM	22.45	697.53	--	--
		9/17/2002	719.98	27.50	23.20	696.78	--	--
		10/29/2002	719.98	27.50	23.40	696.58	--	--
		11/22/2002	719.98	27.60	23.20	696.78	--	--
		12/18/2002	719.98	27.57	23.48	696.50	--	--
		1/21/2003	719.98	27.50	22.56	697.42	--	--
		5/22/2003	719.98	27.52	20.80	699.18	--	--
		8/1/2003	719.98	27.49	21.02	698.96	--	--
		11/19/2003	719.98	NM	22.09	697.89	--	--
		1/21/2004	719.98	27.42	21.28	698.70	--	--
		5/17/2004	719.98	27.50	22.20	697.78	--	--
		11/19/2004	719.98	27.30	22.47	697.51	--	--
		3/29/2005	719.98	27.30	22.53	697.45	--	--
		6/30/2005	719.98	27.30	22.89	697.09	--	--
		9/30/2005	719.98	27.30	22.45	697.53	--	--
		12/6/2005	719.98	27.30	22.87	697.11	--	--
		12/22/2005	719.98	27.30	23.18	696.80	--	--
		1/19/2006	719.98	27.39	22.24	697.74	--	--
		3/30/2006	719.98	27.32	21.22	698.76	--	--
		4/11/2006	719.98	27.32	21.29	698.69	--	--
		6/26/2006	719.98	27.32	21.44	698.54	--	--
		2/2/2007	719.98	27.33	19.34	700.64	--	--
		10/8/2007	719.98	27.60	23.67	696.31	--	--
		5/20/2008	719.98	27.48	21.10	698.88	--	--
		12/10/2008	719.98	NM	23.61	696.37	--	--
		4/7/2009	719.98	27.31	22.01	697.97	--	--
		11/2/2009	719.98	27.59	22.90	697.08	--	--
		5/24/2010	719.98	27.70	22.23	697.75	--	--
		8/23/2010	719.98	27.36	22.36	697.62	--	--
		10/14/2010	719.98	NM	23.51	696.47	--	--

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Area	Well	Date	Top of Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		11/18/2010	719.98	27.65	23.95	696.03	--	--
		1/10/2011	719.98	27.45	23.42	696.56	--	--
		2/16/2011	719.98	27.75	23.68	696.30	--	--
		4/7/2011	719.98	27.73	21.39	698.59	--	--
		7/13/2011	719.98	27.71	22.20	697.78	--	--
		9/29/2011	719.98	27.55	23.18	696.80	--	--
		11/7/2011	719.98	27.35	23.47	696.51	--	--
		3/27/2012	719.98	27.53	22.52	697.46	--	--
		11/14/2012	719.98	27.75	23.17	696.81	--	--
		3/28/2013	719.98	27.75	22.80	697.18	--	--
		9/12/2013	719.98	27.53	23.62	696.36	--	--
		3/18/2014	719.98	27.56	21.15	698.83	--	--
	MW-0116-S2	3/15/2002	722.02	NM	25.93	696.09	--	--
		5/28/2002	722.02	NM	24.98	697.04	--	--
		7/22/2002	722.02	30.40	26.64	695.38	26.64	--
		8/15/2002	722.02	NM	27.05	694.97	--	--
		9/17/2002	722.02	30.40	27.31	694.71	--	--
		10/29/2002	722.02	30.40	27.35	694.67	--	--
		11/22/2002	722.02	30.50	27.21	694.81	--	--
		12/18/2002	722.02	30.46	27.39	694.63	--	--
		1/21/2003	722.02	30.40	26.59	695.43	--	--
		5/22/2003	722.02	30.45	25.69	696.33	--	--
		8/4/2003	722.02	30.40	26.30	695.72	26.29	0.01
		11/19/2003	722.02	NM	26.48	695.54	--	--
		1/21/2004	722.02	30.35	25.67	696.35	--	--
		5/19/2004	722.02	30.40	26.35	695.67	--	--
		11/19/2004	722.02	30.40	25.96	696.06	--	--
		3/29/2005	722.02	30.40	26.18	695.84	--	--
		6/30/2005	722.02	30.40	26.22	695.80	--	--
		9/30/2005	722.02	30.35	26.11	695.91	--	--
		12/6/2005	722.02	30.35	26.27	695.75	--	--
		12/22/2005	722.02	30.35	26.83	695.19	--	--
		3/30/2006	722.02	30.22	22.49	699.53	--	--
		4/11/2006	722.02	30.22	26.09	695.93	--	--
		6/26/2006	722.02	30.22	26.24	695.78	--	--
		2/2/2007	722.02	30.24	25.21	696.81	--	--
		5/19/2008	722.02	31.40	25.66	696.36	--	--
		12/10/2008	722.02	NM	27.46	694.56	--	--
		4/7/2009	722.02	30.21	24.64	697.38	--	--
		11/2/2009	722.02	30.50	26.63	695.39	--	--
		4/30/2010	722.02	30.45	26.79	695.23	--	--
		5/24/2010	722.02	NM	26.11	695.91	--	--
		8/23/2010	722.02	NM	30.31	27.14	--	--
		10/14/2010	722.02	NM	27.41	694.61	--	--
		11/18/2010	722.02	30.62	27.80	694.22	--	--
		1/10/2011	722.02	30.60	27.56	694.46	--	--
		2/16/2011	722.02	30.65	27.36	694.66	--	--
		4/7/2011	722.02	30.65	26.78	695.24	--	--
		7/13/2011	722.02	30.64	27.05	694.97	--	--
		9/29/2011	722.02	30.42	27.09	694.93	--	--
		11/7/2011	722.02	30.27	27.66	694.36	--	--
		3/27/2012	722.02	30.35	26.80	695.22	--	--
		9/20/2012	722.02	30.45	27.30	694.72	--	--
		11/14/2012	722.02	30.80	24.47	697.55	--	--
		3/28/2013	722.02	30.50	26.98	695.04	--	--
		9/12/2013	722.02	30.43	27.50	694.52	--	--
		3/18/2014	722.02	30.46	25.71	696.31	--	--
	MW-0522-S2A	11/17/2005	719.55	28.86	23.20	696.35	--	--
		12/6/2005	719.55	27.82	24.08	695.47	--	--
		1/13/2006	719.55	27.71	23.65	695.90	--	--
		4/11/2006	719.55	27.60	22.26	697.29	--	--
		2/2/2007	719.55	27.65	20.21	699.34	--	--
		5/19/2008	719.55	28.80	22.21	697.34	--	--
		12/10/2008	719.55	NM	24.74	694.81	--	--
		4/7/2009	720.74	27.65	23.16	697.58	--	--
		11/2/2009	720.74	27.67	24.10	696.64	--	--
		5/24/2010	720.74	28.10	23.35	697.39	--	--
		8/23/2010	720.74	27.75	23.51	697.23	--	--
		10/14/2010	720.74	NM	24.58	696.16	--	--
		11/18/2010	720.74	28.00	24.93	695.81	--	--
		12/6/2010	720.74	28.10	25.65	695.09	--	--
		2/16/2011	720.74	28.05	24.46	696.28	--	--
		4/7/2011	720.74	28.00	22.25	698.49	--	--
		7/13/2011	720.74	28.00	23.25	697.49	--	--
		9/29/2011	720.74	27.90	24.39	696.35	--	--
		11/7/2011	720.74	27.70	24.45	696.29	--	--
		3/27/2012	720.74	27.83	23.16	697.58	--	--
		11/14/2012	720.74	28.10	24.06	696.68	--	--
		3/28/2013	720.74	28.08	23.12	697.62	--	--
		9/12/2013	720.74	27.85	24.51	696.23	--	--
		3/18/2014	720.74	27.65	22.26	698.48	--	--
	MW-0522-S2B	11/17/2005	719.54	43.42	24.25	695.29	--	--
		12/6/2005	719.54	43.42	24.16	695.38	--	--
		1/13/2006	719.54	43.39	23.69	695.85	--	--
		4/11/2006	719.54	41.20	22.32	697.22	--	--
		2/2/2007	719.54	43.21	20.27	699.27	--	--
		5/19/2008	719.54	NM	22.24	697.71	--	--

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Area	Well	Date	Top of Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		4/7/2009	719.95	43.06	23.20	696.75	--	--
		11/2/2009	719.95	43.15	24.15	695.80	--	--
		5/24/2010	719.95	43.40	23.39	696.56	--	--
		8/23/2010	719.95	43.15	23.63	696.32	--	--
		10/14/2010	719.95	NM	24.50	695.45	--	--
		11/18/2010	719.95	43.20	25.01	694.94	--	--
		12/6/2010	719.95	43.20	24.68	695.27	--	--
		2/16/2011	719.95	43.31	24.51	695.44	--	--
		4/7/2011	719.95	43.30	22.32	697.63	--	--
		7/13/2011	719.95	43.28	23.34	696.61	--	--
		9/29/2011	719.95	43.28	24.45	695.50	--	--
		11/7/2011	719.95	43.15	24.54	695.41	--	--
		3/27/2012	719.95	43.30	23.22	696.73	--	--
		11/14/2012	719.95	43.30	24.12	695.83	--	--
		3/28/2013	719.95	43.30	23.18	696.77	--	--
		9/12/2013	719.95	43.20	24.59	695.36	--	--
		3/18/2014	719.95	42.05	22.33	697.62	--	--
	MW-0523-S2	11/17/2005	721.87	36.74	28.72	693.15	--	--
		12/6/2005	721.87	36.93	29.45	692.42	--	--
		1/16/2006	721.87	36.84	28.33	693.54	--	--
		4/11/2006	721.87	36.70	28.32	693.55	--	--
		2/2/2007	721.87	36.75	27.69	694.18	--	--
		5/19/2008	721.87	36.85	28.24	693.63	--	--
		9/25/2008	721.87	NM	29.21	692.66	--	--
		12/10/2008	721.87	NM	29.54	692.33	--	--
		1/26/2009	721.87	36.69	28.80	693.07	--	--
		2/24/2009	721.87	36.69	28.70	693.17	--	--
		3/17/2009	721.87	36.69	28.85	693.02	--	--
		4/7/2009	721.87	36.69	26.84	695.03	--	--
		6/15/2009	721.87	36.71	28.17	693.70	--	--
		7/30/2009	721.87	NM	28.34	693.53	--	--
		8/26/2009	721.87	NM	29.46	692.41	--	--
		9/25/2009	721.87	36.71	29.85	692.02	--	--
		11/2/2009	721.87	36.78	29.31	692.56	--	--
		12/18/2009	721.87	36.78	28.76	693.11	--	--
		1/22/2010	721.87	37.00	28.76	693.11	--	--
		2/22/2010	721.87	NM	28.96	692.91	--	--
		3/23/2010	721.87	NM	28.54	693.33	--	--
		5/24/2010	721.87	NM	28.84	693.03	--	--
		7/20/2010	721.87	NM	28.85	693.02	--	--
		10/14/2010	721.87	36.91	29.89	691.98	--	--
		11/18/2010	721.87	36.95	30.01	691.86	--	--
		12/6/2010	721.87	36.80	29.94	691.93	--	--
		1/10/2011	721.87	37.10	29.85	692.02	--	--
		2/16/2011	721.87	Diver dpld	29.08	692.79	--	--
		4/7/2011	721.87	Diver dpld	29.05	692.82	--	--
		7/13/2011	721.87	NM	29.32	692.55	--	--
		9/29/2011	721.87	36.92	29.45	692.42	--	--
		11/7/2011	721.87	NM	29.62	692.25	--	--
		12/8/2011	721.87	36.81	28.21	693.66	--	--
		1/6/2012	721.87	Diver dpld	28.82	693.05	--	--
		3/27/2012	721.87	36.82	28.97	692.90	--	--
		5/4/2012	721.87	NM	27.74	694.13	--	--
		8/29/2012	721.87	36.93	29.63	692.24	--	--
		11/14/2012	721.87	36.98	29.60	692.27	--	--
		2/18/2013	721.87	36.95	29.22	692.65	--	--
		3/28/2013	721.87	36.90	29.50	692.37	--	--
		9/12/2013	721.87	36.85	29.85	692.02	--	--
		11/25/2013	721.87	36.86	29.10	692.77	--	--
		3/18/2014	721.87	36.97	28.44	693.43	--	--
		5/6/2014	721.87	36.92	29.07	692.80	--	--
	MW-0524-S2A	11/17/2005	720.09	26.80	23.17	696.92	--	--
		12/6/2005	720.09	26.28	23.83	696.26	--	--
		1/16/2006	720.09	26.11	23.40	696.69	--	--
		4/11/2006	720.09	26.03	22.02	698.07	--	--
		2/2/2007	720.09	26.10	20.12	699.97	--	--
		5/19/2008	720.09	26.45	22.03	698.06	--	--
		12/10/2008	720.09	NM	24.49	695.60	--	--
		4/7/2009	720.09	26.25	22.83	697.26	--	--
		11/2/2009	720.09	26.25	23.83	696.26	--	--
		4/30/2010	720.09	26.50	22.94	697.15	--	--
		8/23/2010	720.09	26.25	23.30	696.79	--	--
		10/14/2010	720.09	NM	24.31	695.78	--	--
		11/18/2010	720.09	26.55	24.73	695.36	--	--
		12/6/2010	720.09	26.50	24.40	695.69	--	--
		2/16/2011	720.09	26.65	24.31	695.78	--	--
		4/7/2011	720.09	26.63	22.15	697.94	--	--
		7/13/2011	720.09	26.61	23.05	697.04	--	--
		9/29/2011	720.09	26.45	24.11	695.98	--	--
		11/7/2011	720.09	26.30	24.23	695.86	--	--
		3/23/2012	720.09	26.43	23.02	697.07	--	--
		11/14/2012	720.09	26.70	23.88	696.21	--	--
		3/28/2013	720.09	26.45	22.98	697.11	--	--
		9/12/2013	720.09	26.25	24.26	695.83	--	--
		3/18/2014	720.09	26.25	21.98	698.11	--	--
	MW-0524-S2B	11/17/2005	720.02	41.85	24.05	695.97	--	--
		12/6/2005	720.02	42.03	23.83	696.19	--	--

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Table 1. Monitoring Well Gauging Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014, Allison Transmission, Inc., Speedway, Indiana

Area	Well	Date	Top of Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		1/16/2006	720.02	41.99	24.27	695.75	--	--
		4/11/2006	720.02	41.85	22.03	697.99	--	--
		2/2/2007	720.02	41.90	20.12	699.90	--	--
		5/19/2008	720.02	42.00	22.01	698.01	--	--
		4/7/2009	720.02	41.85	22.85	697.17	--	--
		11/2/2009	720.02	41.85	23.82	696.20	--	--
		4/30/2010	720.02	42.14	22.95	697.07	--	--
		8/23/2010	720.02	54.70	24.31	695.71	--	--
		10/14/2010	720.02	NM	24.29	695.73	--	--
		11/18/2010	720.02	42.20	24.72	695.30	--	--
		12/6/2010	720.02	42.10	24.35	695.67	--	--
		2/16/2011	720.02	42.27	24.26	695.76	--	--
		4/7/2011	720.02	42.23	22.12	697.90	--	--
		7/13/2011	720.02	42.22	23.06	696.96	--	--
		9/29/2011	720.02	42.10	24.11	695.91	--	--
		11/7/2011	720.02	41.86	24.23	695.79	--	--
		3/27/2012	720.02	42.00	23.01	697.01	--	--
		11/14/2012	720.02	42.15	23.86	696.16	--	--
		3/28/2013	720.02	42.00	22.95	697.07	--	--
		9/12/2013	720.02	42.02	24.30	695.72	--	--
		3/18/2014	720.02	41.80	22.00	698.02	--	--
	MW-0525-S2	11/17/2005	719.95	26.80	23.17	696.78	--	--
		12/6/2005	719.95	26.98	22.90	697.05	--	--
		1/16/2006	719.95	26.87	23.29	696.66	--	--
		4/11/2006	719.95	26.71	21.11	698.84	--	--
		2/2/2007	719.95	26.80	19.10	700.85	--	--
		5/19/2008	719.95	26.92	21.11	698.84	--	--
		12/10/2008	719.95	NM	23.64	696.31	--	--
		4/7/2009	719.95	26.75	21.97	697.98	--	--
		11/2/2009	719.95	26.76	22.95	697.00	--	--
		10/14/2010	719.95	NM	23.54	696.41	--	--
		11/18/2010	719.95	NM	NM	NM	--	--
		12/6/2010	719.95	NM	23.54	696.41	--	--
		1/10/2011	719.95	NM	NM	719.95	--	--
		2/16/2011	719.95	27.16	23.60	696.35	--	--
		7/13/2011	719.95	NM	22.25	697.70	--	--
		9/29/2011	719.95	27.00	23.25	696.70	--	--
		11/7/2011	719.95	26.80	23.44	696.51	--	--
		3/27/2012	719.95	26.93	22.44	697.51	--	--
		5/4/2012	719.95	NM	22.42	697.53	--	--
		8/29/2012	719.95	27.10	23.66	696.29	--	--
		11/14/2012	719.95	27.10	23.12	696.83	--	--
		2/18/2013	719.95	27.03	21.96	697.99	--	--
		3/28/2013	719.95	27.08	22.30	697.65	--	--
		9/12/2013	719.95	26.98	23.58	696.37	--	--
		11/25/2013	719.95	27.00	22.70	697.25	--	--
		3/18/2014	719.95	26.78	21.32	698.63	--	--
		5/6/2014	719.95	27.01	21.00	698.95	--	--
	MW-0526-S2A	12/6/2005	720.11	NM	26.82	693.29	24.92	1.90
		12/22/2005	720.11	NM	26.54	693.57	25.62	0.92
		1/31/2006	720.11	NM	24.32	695.79	24.00	0.32
		2/28/2006	720.11	NM	24.08	696.03	24.03	0.05
		3/10/2006	720.11	30.36	24.14	695.97	--	Sheen
		3/30/2006	720.11	30.36	23.30	696.81	--	Sheen
		4/11/2006	720.11	30.36	23.39	696.72	--	Sheen
		4/28/2006	720.11	30.36	23.21	696.90	--	Sheen
		5/16/2006	720.11	30.37	23.17	696.94	--	Sheen
		5/30/2006	720.11	30.36	23.42	696.69	--	Sheen
		6/23/2006	720.11	30.37	23.05	697.06	--	Sheen
		6/26/2006	720.11	30.36	23.54	696.57	--	Sheen
		8/16/2006	720.11	30.36	25.28	694.83	24.59	0.69
		8/29/2006	720.11	30.47	25.25	694.86	24.72	0.53
		9/26/2006	720.11	30.47	24.61	695.50	24.51	0.10
		10/18/2006	720.11	30.47	24.73	695.38	24.52	0.21
		11/23/2006	720.11	30.47	23.80	696.31	--	Sheen
		12/18/2006	720.11	30.47	23.40	696.71	--	Sheen
		1/16/2007	720.11	30.47	21.71	698.40	--	--
		2/2/2007	720.11	30.21	21.42	698.69	--	--
		2/22/2007	720.11	30.21	21.50	698.61	--	--
		3/20/2007	720.11	30.21	22.81	697.30	--	--
		4/24/2007	720.11	30.21	23.06	697.05	--	--
		5/17/2007	720.11	30.21	23.36	696.75	--	--
		6/26/2007	720.11	30.21	25.72	694.39	25.06	0.66
		10/8/2007	720.11	30.47	26.90	693.21	25.51	1.39
		12/13/2007	720.11	30.47	26.31	693.80	25.32	0.99
		1/18/2008	720.11	30.44	25.29	694.82	24.06	1.23
		5/19/2008	720.11	30.76	23.40	696.71	22.14	1.26
		7/31/2008	720.11	30.45	25.75	694.36	25.75	Sheen
		8/27/2008	720.11	31.50	26.37	693.74	25.41	0.96
		9/25/2008	720.11	NM	25.75	694.36	24.95	0.80
		10/29/2008	720.11	30.53	26.41	693.70	25.41	1.00
		11/24/2008	720.11	NM	26.27	693.84	25.43	0.84
		12/10/2008	720.11	NM	26.71	693.40	25.50	1.21
		1/26/2009	720.11	30.42	25.50	695.34	24.60	0.90
		2/24/2009	720.11	30.42	23.86	696.30	23.79	0.07
		3/17/2009	720.11	30.42	24.60	695.86	24.16	0.44
		3/24/2009	720.11	NM	26.54	694.20	25.78	0.76
		4/7/2009	720.10	30.42	24.00	696.10	--	Globules

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Table 1. Monitoring Well Gauging Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014, Allison Transmission, Inc., Speedway, Indiana

Area	Well	Date	Top of Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		6/15/2009	720.10	30.81	22.72	697.56	22.46	0.26
		7/30/2009	720.10	NM	23.27	696.83	--	--
		8/26/2009	720.10	NM	25.76	694.34	24.42	1.34
		9/25/2009	720.10	30.81	25.92	694.18	25.30	0.62
		11/2/2009	720.10	31.33	25.55	694.55	24.85	0.70
		12/18/2009	720.10	31.33	26.12	693.98	25.50	0.62
		1/22/2010	720.10	30.40	26.12	693.98	24.06	2.06
		2/22/2010	720.10	NM	25.16	694.94	24.13	1.03
		3/23/2010	720.10	NM	24.67	695.43	23.40	1.27
		5/24/2010	720.10	NM	24.38	695.72	23.35	1.03
		7/20/2010	720.10	NM	22.98	697.12	22.31	0.67
		8/23/2010	720.10	NM	24.54	695.56	23.73	0.81
		10/14/2010	720.10	30.35	24.81	695.29	24.60	0.21
		11/18/2010	720.10	NM	25.11	694.99	24.84	0.27
		12/6/2010	720.10	NM	24.86	695.24	24.48	0.38
		1/10/2011	720.10	NM	24.71	695.39	24.11	0.60
		2/16/2011	720.10	30.55	24.54	695.56	24.02	0.52
		3/11/2011	720.10	30.34	20.95	699.15	20.84	0.11
		4/7/2011	720.10	30.55	22.46	697.64	22.25	0.21
		5/6/2011	720.10	NM	20.56	699.54	20.45	0.11
		6/3/2011	720.10	30.55	22.10	698.00	22.00	0.10
		7/13/2011	720.67	30.52	23.09	697.58	23.01	0.08
		8/3/2011	720.67	30.60	23.78	696.89	--	--
		8/15/2011	720.67	30.60	23.78	696.89	--	--
		9/29/2011	720.67	30.34	23.83	696.84	23.81	0.02
		11/7/2011	720.67	NM	23.98	696.69	--	--
		12/8/2011	720.67	30.42	22.80	697.87	22.63	0.17
		1/6/2012	720.67	Diver dpld	21.87	698.80	21.78	0.09
		2/10/2012	720.67	30.41	21.41	699.26	21.40	0.01
		3/27/2012	720.67	30.42	22.21	698.46	22.18	0.03
		5/4/2012	720.67	NM	21.98	698.69	--	--
		8/29/2012	720.67	30.40	27.80	692.87	23.75	4.05
		11/14/2012	720.67	30.40	25.25	695.42	25.10	0.15
		2/18/2013	720.67	30.41	23.90	696.77	23.84	0.06
		3/28/2013	720.67	30.50	24.20	696.47	24.20	--
		9/12/2013	720.67	NM	25.53	694.59	25.51	0.02
		11/25/2013	720.67	30.33	25.12	695.70	24.94	0.18
		3/18/2014	720.67	30.42	22.21	698.57	22.08	0.13
		5/6/2014	720.67	30.41	22.04	698.77	21.87	0.17
	MW-0526-S2B	11/17/2005	720.74	43.09	26.35	694.39	--	--
		12/6/2005	720.74	42.04	25.57	695.17	--	--
		1/16/2006	720.74	42.00	24.81	695.93	--	--
		3/10/2006	720.74	41.86	24.56	696.18	--	--
		4/11/2006	720.74	41.85	23.98	696.76	--	--
		2/2/2007	720.74	41.92	22.23	698.51	--	--
		10/8/2007	720.74	42.18	26.21	694.53	--	--
		1/18/2008	720.74	NM	NM	NM	--	--
		5/19/2008	720.74	NM	22.24	698.50	--	--
		9/25/2008	720.74	NM	25.59	695.15	--	--
		12/10/2008	720.74	NM	26.13	694.61	--	--
		1/26/2009	720.74	41.90	25.28	695.46	--	--
		2/24/2009	720.74	41.90	24.45	696.29	--	--
		3/17/2009	720.74	41.90	24.82	695.92	--	--
		4/7/2009	720.74	41.90	24.45	696.29	--	--
		6/15/2009	720.74	42.08	23.12	697.62	--	--
		7/30/2009	720.74	NM	22.98	697.76	--	--
		8/26/2009	720.74	NM	25.18	695.56	--	--
		9/25/2009	720.74	42.08	25.92	694.82	--	--
		11/2/2009	720.74	42.12	25.57	695.17	--	--
		12/18/2009	720.74	42.12	25.67	695.07	--	--
		1/22/2010	720.74	42.20	25.67	695.07	--	--
		2/22/2010	720.74	NM	25.28	695.46	--	--
		3/23/2010	720.74	NM	24.74	696.00	--	--
		5/24/2010	720.74	NM	24.70	696.04	--	--
		7/20/2010	720.74	NM	23.71	697.03	--	--
		8/23/2010	720.74	NM	25.13	695.61	--	--
		10/14/2010	720.74	42.18	25.89	694.85	--	--
		11/18/2010	720.74	42.30	26.17	694.57	--	--
		12/6/2010	720.74	42.25	25.88	694.86	--	--
		1/10/2011	720.74	42.30	25.72	695.02	--	--
		2/16/2011	720.74	Diver dpld	25.66	695.08	--	--
		4/7/2011	720.74	Diver dpld	23.95	696.79	--	--
		6/3/2011	720.74	Diver dpld	23.46	697.28	--	--
		7/13/2011	720.74	NM	24.68	696.06	--	--
		9/29/2011	720.74	42.14	25.48	695.26	--	--
		11/7/2011	720.74	NM	25.79	694.95	--	--
		12/8/2011	720.74	42.21	24.49	696.25	--	--
		1/6/2012	720.74	42.17	23.92	696.82	--	--
		2/10/2012	720.74	42.13	23.68	697.06	--	--
		3/27/2012	720.74	42.05	24.51	696.23	--	--
		5/4/2012	720.74	NM	24.24	696.50	--	--
		8/29/2012	720.74	42.15	25.60	695.14	--	--
		11/14/2012	720.74	42.15	25.71	695.03	--	--
		2/18/2013	720.74	42.15	24.61	696.13	--	--
		3/28/2013	720.74	42.15	24.89	695.85	--	--
		9/12/2013	720.74	42.07	26.04	694.70	--	--
		11/25/2013	720.74	42.10	25.30	695.44	--	--
		3/18/2014	720.74	42.15	23.62	697.12	--	--
		5/6/2014	720.74	42.14	23.57	697.17	--	--

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Area	Well	Date	Top of Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
	MW-0622-S2A	5/16/2006	720.26	26.40	23.25	NM	--	--
		6/26/2006	720.26	26.40	23.62	NM	--	--
		8/16/2006	720.26	26.48	24.79	NM	--	--
		8/29/2006	720.26	26.50	24.90	NM	--	--
		9/26/2006	720.26	26.50	24.61	NM	--	--
		10/18/2006	720.26	26.50	24.68	NM	--	--
		11/23/2006	720.26	26.50	23.91	NM	--	--
		12/18/2006	720.26	26.50	23.48	NM	--	--
		1/16/2007	720.26	26.50	21.82	NM	--	--
		2/2/2007	720.26	26.20	22.59	NM	--	--
		2/22/2007	720.26	26.20	21.44	NM	--	--
		3/20/2007	720.26	26.20	22.87	NM	--	--
		4/24/2007	720.26	26.20	22.64	NM	--	--
		5/17/2007	720.26	26.20	23.03	NM	--	--
		6/26/2007	720.26	26.20	25.75	NM	25.17	0.58
		10/8/2007	720.26	26.61	26.05	NM	25.47	0.58
		12/13/2007	720.26	26.48	25.60	NM	25.44	0.16
		1/18/2008	720.26	NM	NM	NM	NM	0.30
		5/19/2008	720.26	NM	22.24	698.02	--	--
		7/31/2008	720.26	26.45	23.32	NM	22.45	0.87
		8/27/2008	720.26	26.45	24.34	695.92	24.34	Sheen
		9/25/2008	720.26	NM	25.35	NM	25.05	0.30
		10/29/2008	720.26	26.53	26.15	NM	25.51	0.64
		11/24/2008	720.26	NM	26.13	NM	25.63	0.50
		12/10/2008	720.26	NM	26.15	NM	25.51	0.64
		1/26/2009	720.26	26.45	24.98	695.43	24.80	0.18
		2/24/2009	720.26	26.45	23.93	696.35	23.91	0.02
		3/17/2009	720.26	26.45	24.31	695.95	--	--
		3/24/2009	720.26	NM	25.98	NM	25.64	0.34
		4/7/2009	720.26	26.45	24.11	696.15	--	--
		6/15/2009	720.26	26.54	22.58	697.68	--	--
		7/30/2009	720.26	NM	23.14	697.12	--	--
		8/26/2009	720.26	NM	24.68	695.58	--	--
		9/25/2009	720.26	26.54	25.14	695.12	25.14	Sheen
		11/2/2009	720.26	26.50	25.22	695.04	25.11	0.11
		12/18/2009	720.26	26.50	25.35	694.91	24.32	1.03
		1/22/2010	720.26	NM	25.35	695.60	24.52	0.83
		2/22/2010	720.26	NM	24.79	695.67	24.55	0.24
		3/23/2010	720.26	NM	24.30	696.27	23.92	0.38
		5/24/2010	720.26	NM	24.04	696.39	23.83	0.21
		7/20/2010	720.26	NM	23.14	697.43	22.76	0.38
		8/23/2010	720.26	NM	24.30	695.98	24.27	0.03
		10/14/2010	720.26	26.37	25.08	695.20	25.06	0.02
		11/18/2010	720.26	NM	25.47	694.92	25.31	0.16
		12/6/2010	720.26	NM	25.19	695.22	25.01	0.18
		1/10/2011	720.26	26.50	24.75	695.51	--	--
		2/16/2011	720.26	26.50	24.72	695.54	--	--
		3/11/2011	720.26	26.37	21.38	698.88	--	--
		4/7/2011	720.26	26.52	22.82	697.44	--	--
		7/13/2011	720.26	30.52	24.40	696.60	23.50	0.90
		8/3/2011	720.26	26.52	24.44	695.82	24.32	0.12
		9/29/2011	720.26	25.98	24.44	695.82	--	--
		11/7/2011	720.26	NM	24.69	695.57	--	--
		12/8/2011	720.26	26.03	24.40	695.86	--	--
		1/6/2012	720.26	26.06	22.61	697.65	--	--
		2/10/2012	720.26	26.00	22.30	697.96	--	--
		5/4/2012	720.26	NM	22.96	697.30	--	--
		8/29/2012	720.26	26.00	24.50	695.76	--	--
		11/14/2012	720.26	26.00	25.21	695.05	--	--
		2/18/2013	720.26	25.95	23.97	696.29	--	--
		3/28/2013	720.26	26.00	24.48	695.78	--	--
		9/12/2013	720.26	25.93	25.91	694.71	25.48	0.43
		11/25/2013	720.26	25.92	24.93	695.33	--	--
		3/18/2014	720.26	25.96	22.60	697.66	--	--
		5/6/2014	720.26	25.98	22.43	697.83	--	--
	MW-0623-S2A	5/16/2006	719.06	28.80	22.42	696.64	--	--
		6/26/2006	719.06	28.80	22.79	696.27	--	--
		8/16/2006	719.06	28.91	23.90	695.16	--	--
		8/29/2006	719.06	28.91	23.96	695.10	--	--
		9/26/2006	719.06	28.91	23.61	695.45	--	--
		10/18/2006	719.06	28.91	23.66	695.40	--	--
		12/18/2006	719.06	28.91	22.64	696.42	--	--
		1/16/2007	719.06	28.91	20.88	698.18	--	--
		2/2/2007	719.06	28.63	20.87	698.19	--	--
		2/22/2007	719.06	28.63	20.64	698.42	--	--
		3/20/2007	719.06	28.63	21.16	697.90	--	--
		4/24/2007	719.06	28.63	21.24	697.82	--	--
		5/17/2007	719.06	28.63	22.11	696.95	--	--
		6/26/2007	719.06	28.63	24.31	694.75	--	--
		10/8/2007	719.06	28.85	25.41	693.65	--	--
		12/13/2007	719.06	28.83	24.60	694.46	--	--
		5/19/2008	719.06	29.80	22.50	696.56	--	--
		9/25/2008	719.06	NM	24.22	694.84	--	--
		12/10/2008	719.06	NM	24.75	694.31	--	--
		1/26/2009	719.06	28.51	23.98	695.08	--	--
		2/24/2009	719.06	28.51	23.10	695.96	--	--
		3/17/2009	719.06	28.51	23.46	695.60	--	--
		4/7/2009	719.06	28.51	23.08	695.98	--	--

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Table 1. Monitoring Well Gauging Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014, Allison Transmission, Inc., Speedway, Indiana

Area	Well	Date	Top of Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		7/30/2009	719.06	NM	23.17	695.89	--	--
		8/26/2009	719.06	NM	23.84	695.22	--	--
		9/25/2009	719.06	NM	25.20	693.86	--	--
		11/2/2009	719.06	28.83	24.17	694.89	--	--
		12/18/2009	719.06	28.83	25.65	693.41	--	--
		1/22/2010	719.06	28.88	25.65	693.41	--	--
		3/23/2010	719.06	NM	23.39	695.67	--	--
		5/24/2010	719.06	NM	23.35	695.71	--	--
		7/20/2010	719.06	NM	22.41	696.65	--	--
		8/23/2010	719.06	NM	23.83	695.23	--	--
		10/14/2010	719.06	28.80	24.55	694.51	--	--
		11/18/2010	719.06	28.90	24.84	694.22	--	--
		1/10/2011	719.06	NM	24.54	694.67	24.36	0.18
		3/11/2011	719.06	28.81	21.09	697.97	--	--
		4/7/2011	719.06	28.83	22.60	696.46	--	--
		5/6/2011	719.06	NM	20.66	698.40	--	--
		6/3/2011	719.06	28.95	22.40	696.66	--	--
		7/13/2011	719.06	28.87	23.36	695.70	--	--
		8/3/2011	719.06	28.90	24.05	695.01	--	--
		9/29/2011	719.06	28.78	24.16	694.90	--	--
		11/7/2011	719.06	NM	24.45	694.61	--	--
		12/8/2011	719.06	28.81	23.10	695.96	--	--
		1/6/2012	719.06	28.78	22.56	696.50	--	--
		2/10/2012	719.06	28.75	22.34	696.72	--	--
		5/4/2012	719.06	NM	22.86	696.20	--	--
		8/29/2012	719.06	28.75	25.27	693.79	--	--
		11/14/2012	719.06	28.75	24.30	694.76	--	--
		2/18/2013	719.06	28.70	23.19	695.87	--	--
		3/28/2013	719.06	28.70	23.49	695.57	--	--
		9/12/2013	719.06	28.56	25.05	694.39	24.59	0.46
		11/25/2013	719.06	28.50	23.47	695.59	--	--
		3/18/2014	719.06	28.51	22.30	696.76	--	--
		5/6/2014	719.06	28.40	22.27	696.79	--	--
	MW-0624-S2B	5/16/2006	721.72	23.71	38.41	683.31	--	--
		6/26/2006	721.72	38.41	24.08	697.64	--	--
		8/16/2006	721.72	38.59	25.16	696.56	--	--
		8/29/2006	721.72	38.70	25.27	696.45	--	--
		9/26/2006	721.72	38.70	25.16	696.56	--	--
		10/18/2006	721.72	38.70	25.02	696.70	--	--
		11/23/2006	721.72	38.70	24.32	697.40	--	--
		12/18/2006	721.72	38.70	23.98	697.74	--	--
		1/16/2007	721.72	38.70	22.11	699.61	--	--
		2/2/2007	721.72	38.50	22.06	699.66	--	--
		2/22/2007	721.72	38.50	21.91	699.81	--	--
		3/20/2007	721.72	38.50	22.65	699.07	--	--
		4/24/2007	721.72	38.50	22.89	698.83	--	--
		5/17/2007	721.72	38.50	23.58	698.14	--	--
		12/13/2007	721.72	38.50	25.90	695.82	--	--
		5/19/2008	721.72	NM	22.24	699.48	--	--
		9/25/2008	721.72	NM	25.49	696.23	--	--
		12/10/2008	721.72	NM	26.16	695.56	--	--
		1/26/2009	721.72	38.35	25.38	696.34	--	--
		2/24/2009	721.72	38.35	24.43	697.29	--	--
		3/17/2009	721.72	38.35	24.78	696.94	--	--
		4/7/2009	721.72	38.35	24.51	697.21	--	--
		6/15/2009	721.72	38.72	22.85	698.87	--	--
		7/30/2009	721.72	NM	24.87	696.85	--	--
		8/26/2009	721.72	NM	24.99	696.73	--	--
		9/25/2009	721.72	38.72	25.85	695.87	--	--
		11/2/2009	721.72	38.65	25.53	696.19	--	--
		12/18/2009	721.72	38.65	25.87	695.85	--	--
		1/22/2010	721.72	38.65	25.87	695.85	--	--
		2/22/2010	721.72	NM	25.51	696.21	--	--
		3/23/2010	721.72	NM	24.88	696.84	--	--
		5/24/2010	721.72	NM	24.74	696.98	--	--
		7/20/2010	721.72	NM	23.66	698.06	--	--
		8/23/2010	721.72	NM	25.10	696.62	--	--
		10/14/2010	721.72	38.65	26.02	695.70	--	--
		11/18/2010	721.72	38.70	26.35	695.37	--	--
		12/6/2010	721.72	38.65	26.01	695.71	--	--
		1/10/2011	721.72	38.75	25.87	695.85	--	--
		2/16/2011	721.72	Diver dpld	25.96	695.76	--	--
		4/7/2011	721.72	Diver dpld	23.97	697.75	--	--
		7/13/2011	721.58	NM	24.75	696.83	--	--
		9/29/2011	721.58	39.61	25.70	695.88	--	--
		11/7/2011	721.58	NM	26.03	695.55	--	--
		12/8/2011	721.58	36.68	24.81	696.77	--	--
		1/6/2012	721.58	38.60	24.12	697.46	--	--
		2/10/2012	721.58	38.60	23.92	697.66	--	--
		5/4/2012	721.58	NM	25.19	696.39	--	--
		8/29/2012	721.58	38.61	25.93	695.65	--	--
		11/14/2012	721.58	38.61	25.73	695.85	--	--
		2/18/2013	721.58	38.62	24.61	696.97	--	--
		3/28/2013	721.58	38.60	24.91	696.67	--	--
		9/12/2013	721.58	38.34	26.17	695.55	--	--
		11/25/2013	721.58	38.50	25.86	695.72	--	--
		3/18/2014	721.58	38.59	23.68	697.90	--	--
		5/6/2014	721.58	38.60	23.53	698.05	--	--

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Table 1. Monitoring Well Gauging Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014, Allison Transmission, Inc., Speedway, Indiana

Area	Well	Date	Top of Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
	MW-0625-S2A	5/16/2006	719.95	31.67	24.53	695.42	--	--
		6/26/2006	719.95	31.67	24.90	695.05	--	--
		8/16/2006	719.95	31.81	25.97	693.98	--	--
		8/29/2006	719.95	31.79	25.91	694.04	--	--
		9/26/2006	719.95	31.79	25.53	694.42	--	--
		10/18/2006	719.95	31.79	25.46	694.49	--	--
		11/23/2006	719.95	31.79	25.04	694.91	--	--
		12/18/2006	719.95	31.79	24.67	695.28	--	--
		1/16/2007	719.95	31.79	22.66	697.29	--	--
		2/2/2007	719.95	31.55	23.10	696.85	--	--
		2/22/2007	719.95	31.55	22.06	697.89	--	--
		3/20/2007	719.95	31.55	22.91	697.04	--	--
		4/24/2007	719.95	31.55	22.75	697.20	--	--
		5/17/2007	719.95	31.55	23.47	696.48	--	--
		6/26/2007	719.95	31.55	26.38	693.57	--	--
		12/13/2007	719.95	37.76	26.46	693.49	--	--
		5/19/2008	719.95	NM	22.24	695.31	--	--
		9/25/2008	719.95	NM	26.22	693.73	--	--
		12/10/2008	719.95	NM	26.72	693.23	--	--
		1/26/2009	719.95	31.50	25.89	694.06	--	--
		2/24/2009	719.95	31.50	25.17	694.78	--	--
		3/17/2009	719.95	31.50	25.53	694.42	--	--
		4/7/2009	719.95	31.50	24.99	694.96	--	--
		6/15/2009	719.95	31.70	24.76	695.19	--	--
		7/30/2009	719.95	NM	26.85	693.10	--	--
		8/26/2009	719.95	NM	25.96	693.99	--	--
		9/25/2009	719.95	31.70	26.59	693.36	--	--
		11/2/2009	719.95	31.80	26.20	693.75	--	--
		12/18/2009	719.95	31.80	26.74	693.21	--	--
		1/22/2010	719.95	37.75	26.74	693.21	--	--
		2/22/2010	719.95	NM	25.93	694.02	--	--
		3/23/2010	719.95	NM	25.38	694.57	--	--
		5/24/2010	719.95	NM	25.40	694.55	--	--
		7/20/2010	719.95	NM	24.57	695.38	--	--
		8/23/2010	719.95	NM	25.94	694.01	--	--
		10/14/2010	719.95	31.70	26.54	693.41	--	--
		11/18/2010	719.95	31.75	26.77	693.18	--	--
		12/6/2010	719.95	31.80	26.54	693.41	--	--
		1/10/2011	719.95	31.95	26.36	693.59	--	--
		4/7/2011	719.95	31.90	24.75	695.20	--	--
		7/13/2011	720.71	31.85	25.45	695.26	--	--
		9/29/2011	720.71	31.68	26.11	694.60	--	--
		11/7/2011	720.71	NM	26.38	694.33	--	--
		12/8/2011	720.71	31.75	25.00	695.71	--	--
		1/6/2012	720.71	31.70	24.62	696.09	--	--
		2/10/2012	720.71	31.70	23.36	697.35	--	--
		5/4/2012	720.71	NM	24.74	695.97	--	--
		8/29/2012	720.71	31.70	26.19	694.52	--	--
		11/14/2012	720.71	31.91	26.37	694.34	--	--
		2/18/2013	720.71	31.71	25.36	695.35	--	--
		3/28/2013	720.71	31.90	25.60	695.11	--	--
		9/12/2013	720.71	31.70	26.61	693.34	--	--
		11/25/2013	720.71	31.68	25.95	694.76	--	--
		3/18/2014	720.71	31.71	24.39	696.32	--	--
		5/6/2014	720.71	31.72	24.45	696.26	--	--
	MW-0814-S2	12/10/2008	722.37	NM	29.01	693.36	--	--
		1/26/2009	722.37	30.95	28.03	694.34	--	--
		2/24/2009	722.37	30.95	26.97	695.40	--	--
		3/17/2009	722.37	30.95	27.83	694.54	--	--
		4/7/2009	722.37	30.95	26.70	695.67	--	--
		6/15/2009	722.37	31.28	26.81	695.56	--	--
		7/30/2009	722.37	NM	26.29	696.08	--	--
		8/26/2009	722.37	NM	28.49	693.88	--	--
		9/25/2009	722.37	31.28	28.80	693.57	--	--
		11/2/2009	722.37	31.06	28.61	693.76	--	--
		12/18/2009	722.37	31.06	28.76	693.61	--	--
		1/22/2010	722.37	31.10	28.76	693.61	--	--
		2/22/2010	722.37	NM	28.42	693.95	--	--
		3/23/2010	722.37	NM	27.60	694.77	--	--
		5/24/2010	722.37	NM	27.80	694.57	--	--
		7/20/2010	722.37	NM	27.11	695.26	--	--
		8/23/2010	722.37	NM	28.51	693.86	--	--
		10/14/2010	722.37	31.08	28.78	693.59	--	--
		11/18/2010	722.37	31.25	29.11	693.26	--	--
		12/6/2010	722.37	31.30	29.05	693.32	--	--
		1/10/2011	722.37	31.25	28.85	693.52	--	--
		2/16/2011	722.37	Diver dpld	17.87	704.50	--	--
		3/11/2011	722.37	Diver dpld	25.00	697.37	--	--
		4/7/2011	722.37	Diver dpld	27.09	695.28	--	--
		5/6/2011	722.37	NM	25.05	697.32	--	--
		6/3/2011	722.37	Diver dpld	26.61	695.76	--	--
		7/13/2011	722.37	NM	27.95	694.42	--	--
		8/3/2011	722.37	NM	28.54	693.83	--	--
		9/29/2011	722.37	31.08	28.73	693.64	--	--
		11/7/2011	722.37	NM	28.64	693.73	--	--
		12/8/2011	722.37	31.08	27.30	695.07	--	--
		1/6/2012	722.37	31.30	26.57	695.80	--	--
		2/10/2012	722.37	31.13	26.75	695.62	--	--
		3/27/2012	722.37	31.15	27.60	694.77	--	--

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Table 1. Monitoring Well Gauging Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014, Allison Transmission, Inc., Speedway, Indiana

Area	Well	Date	Top of Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		4/19/2012	722.37	NM	28.03	694.34	--	--
		5/4/2012	722.37	NM	26.88	695.49	--	--
		6/14/2012	722.37	NM	28.35	694.02	--	--
		8/29/2012	722.37	31.19	28.80	693.57	--	--
		11/14/2012	722.37	31.18	29.00	693.37	--	--
		2/18/2013	722.37	31.26	27.69	694.68	--	--
		3/28/2013	722.37	31.17	28.02	694.35	--	--
		8/29/2013	722.37	NM	28.95	693.42	--	--
		9/12/2013	722.37	31.16	29.02	693.35	--	--
		10/24/2013	722.37	NM	28.91	693.46	--	--
		11/25/2013	722.37	31.13	28.41	693.96	--	--
		12/12/2013	722.37	NM	28.76	693.61	--	--
		2/20/2014	722.37	31.19	27.57	694.80	--	--
		3/18/2014	722.37	31.20	26.68	695.69	--	--
		3/27/2014	722.37	NM	26.95	695.42	--	--
		4/24/2014	722.37	NM	26.60	695.77	--	--
		5/6/2014	722.37	31.20	26.91	695.46	--	--
		5/29/2014	722.37	NM	27.05	695.32	--	--
	MW-0815-S2	12/10/2008	722.23	NM	29.06	693.17	--	--
		1/26/2009	722.23	31.26	28.28	693.95	--	--
		2/24/2009	722.23	31.26	27.38	694.85	--	--
		3/17/2009	722.23	31.26	28.09	694.14	--	--
		4/7/2009	722.23	31.26	26.62	695.61	--	--
		6/15/2009	722.23	31.68	26.89	695.34	--	--
		7/30/2009	722.23	NM	26.74	695.49	--	--
		8/26/2009	722.23	NM	28.59	693.64	--	--
		9/25/2009	722.23	31.68	28.47	693.76	--	--
		11/2/2009	722.23	31.47	28.47	693.76	--	--
		12/18/2009	722.23	31.47	28.57	693.66	--	--
		1/22/2010	722.23	31.50	28.57	693.66	--	--
		2/22/2010	722.23	NM	28.51	693.72	--	--
		3/23/2010	722.23	NM	27.76	694.47	--	--
		5/24/2010	722.23	NM	27.80	694.43	--	--
		7/20/2010	722.23	NM	27.32	694.91	--	--
		8/23/2010	722.23	NM	28.66	693.57	--	--
		10/14/2010	722.23	31.50	28.88	693.35	--	--
		11/18/2010	722.23	31.90	29.11	693.12	--	--
		12/6/2010	722.23	31.50	29.06	693.17	--	--
		1/10/2011	722.23	31.60	28.76	693.47	--	--
		2/16/2011	722.23	Diver dpld	28.56	693.67	--	--
		3/11/2011	722.23	Diver dpld	25.32	696.91	--	--
		4/7/2011	722.23	Diver dpld	27.35	694.88	--	--
		5/6/2011	722.23	NM	25.29	696.94	--	--
		6/3/2011	722.23	Diver dpld	26.79	695.44	--	--
		7/13/2011	722.23	NM	28.12	694.11	--	--
		8/3/2011	722.23	NM	28.67	693.56	--	--
		9/29/2011	722.23	31.45	28.57	693.66	--	--
		11/7/2011	722.23	NM	28.56	693.67	--	--
		12/8/2011	722.23	31.47	27.22	695.01	--	--
		1/6/2012	722.23	31.25	27.01	695.22	--	--
		2/10/2012	722.23	31.44	26.86	695.37	--	--
		3/27/2012	722.23	31.40	27.60	694.63	--	--
		4/19/2012	722.23	NM	28.00	694.23	--	--
		5/4/2012	722.23	NM	26.46	695.77	--	--
		6/14/2012	722.23	NM	28.35	693.88	--	--
		8/29/2012	722.23	31.48	28.63	693.60	--	--
		11/14/2012	722.23	31.45	28.99	693.24	--	--
		2/18/2013	722.23	31.46	27.81	694.42	--	--
		3/28/2013	722.23	31.45	28.13	694.10	--	--
		8/29/2013	722.23	NM	28.89	693.34	--	--
		9/12/2013	722.23	31.49	28.98	693.25	--	--
		10/24/2013	722.23	NM	28.88	693.35	--	--
		11/25/2013	722.23	31.42	28.33	693.90	--	--
		12/12/2013	722.23	NM	28.79	693.44	--	--
		2/20/2014	722.23	31.45	27.58	694.65	--	--
		3/18/2014	722.23	31.46	26.86	695.37	--	--
		3/27/2014	722.23	NM	27.22	695.01	--	--
		4/24/2014	722.23	NM	26.82	695.41	--	--
		5/6/2014	722.23	31.48	27.06	695.17	--	--
		5/29/2014	722.23	NM	27.11	695.12	--	--
	MW-0816-S2	12/10/2008	722.11	NM	29.06	693.05	--	--
		1/26/2009	722.11	35.90	28.30	693.81	--	--
		2/24/2009	722.11	35.90	28.08	694.03	--	--
		3/17/2009	722.11	35.90	28.30	693.81	--	--
		4/7/2009	722.11	35.90	26.60	695.51	--	--
		6/15/2009	722.11	36.33	26.81	695.30	--	--
		7/30/2009	722.11	NM	26.46	695.65	--	--
		8/26/2009	722.11	NM	28.88	693.23	--	--
		9/25/2009	722.11	36.33	28.49	693.62	--	--
		11/2/2009	722.11	36.15	28.71	693.40	--	--
		12/18/2009	722.11	36.15	28.67	693.44	--	--
		1/22/2010	722.11	36.15	28.67	693.44	--	--
		2/22/2010	722.11	NM	28.40	693.71	--	--
		3/23/2010	722.11	NM	28.00	694.11	--	--
		5/24/2010	722.11	NM	28.15	693.96	--	--
		7/20/2010	722.11	NM	28.02	694.09	--	--
		8/23/2010	722.11	NM	29.07	693.04	--	--
		10/14/2010	722.11	36.11	29.31	692.80	--	--

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Table 1. Monitoring Well Gauging Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014, Allison Transmission, Inc., Speedway, Indiana

Area	Well	Date	Top of Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		11/18/2010	722.11	36.25	29.42	692.69	--	--
		12/6/2010	722.11	36.25	29.31	692.80	--	--
		1/10/2011	722.11	36.30	29.18	692.93	--	--
		2/16/2011	722.11	Diver dpld	28.61	693.50	--	--
		3/11/2011	722.11	Diver dpld	26.45	695.66	--	--
		4/7/2011	722.11	Diver dpld	28.35	693.76	--	--
		5/6/2011	722.11	NM	26.35	695.76	--	--
		6/3/2011	722.11	Diver dpld	27.94	694.17	--	--
		7/13/2011	722.11	NM	28.73	693.38	--	--
		8/3/2011	722.11	NM	29.17	692.94	--	--
		9/29/2011	722.11	36.11	28.90	693.21	--	--
		11/7/2011	722.11	NM	29.08	693.03	--	--
		12/8/2011	722.11	36.16	27.71	694.40	--	--
		1/6/2012	722.11	36.10	28.12	693.99	--	--
		2/10/2012	722.11	36.09	27.73	694.38	--	--
		3/27/2012	722.11	36.02	28.38	693.73	--	--
		4/19/2012	722.11	NM	28.55	693.56	--	--
		5/4/2012	722.11	NM	27.22	694.89	--	--
		6/14/2012	722.11	NM	28.97	693.14	--	--
		8/29/2012	722.11	36.13	29.09	693.02	--	--
		11/14/2012	722.11	36.12	29.12	692.99	--	--
		2/18/2013	722.11	36.10	28.59	693.52	--	--
		3/28/2013	722.11	36.10	28.67	693.44	--	--
		8/29/2013	722.11	NM	29.16	692.95	--	--
		9/12/2013	722.11	36.57	29.09	693.02	29.09	--
		10/24/2013	722.11	NM	29.10	693.01	--	--
		11/25/2013	722.11	36.05	28.35	693.76	--	--
		12/12/2013	722.11	NM	29.04	693.07	--	--
		3/18/2014	722.11	36.14	27.54	694.57	--	--
		3/27/2014	722.11	NM	28.23	693.88	--	--
		4/24/2014	722.11	NM	27.92	694.19	--	--
		5/6/2014	722.11	36.11	28.11	694.00	--	--
		5/29/2014	722.11	NM	28.09	694.02	--	--
	MW-16-S2	6/18/1992			22.02			
		5/17/2001	720.56	24.50	22.31	698.25	--	--
		3/15/2002	720.56	NM	21.60	698.96	--	Sheen
		5/24/2002	720.56	NM	16.75	703.81	--	--
		8/15/2002	720.56	NM	20.21	700.35	--	--
		5/22/2003	720.56	NM	16.68	703.88	--	--
		11/19/2003	720.56	NM	21.37	699.19	--	--
		5/19/2004	720.56	24.50	16.63	703.93	--	--
		6/30/2005	720.56	24.50	20.79	699.77	--	--
		9/30/2005	720.56	24.31	21.00	699.56	--	--
		12/6/2005	720.56	24.50	20.88	699.68	--	--
		12/22/2005	720.56	24.31	21.70	698.86	--	--
		3/30/2006	720.56	24.50	17.68	702.88	--	--
		4/11/2006	720.56	24.00	19.18	701.38	--	--
		6/26/2006	720.56	24.00	19.33	701.23	--	--
		2/2/2007	720.56	24.05	17.84	702.72	--	--
		10/8/2007	720.56	24.29	22.98	697.58	--	--
		1/18/2008	720.56	NM	NM	720.56	--	--
		5/20/2008	720.56	NM	19.27	701.29	--	--
		12/10/2008	720.56	NM	22.25	698.31	--	--
		4/7/2009	720.56	24.05	18.69	701.87	--	--
		9/25/2009	720.56	23.95	22.25	698.31	--	--
		11/2/2009	720.56	24.09	21.78	698.78	--	--
		4/30/2010	720.56	24.02	19.46	701.10	--	--
		5/24/2010	720.56	24.08	19.91	700.65	--	--
		10/14/2010	720.56	NM	23.20	697.36	--	--
		5/6/2011	720.56	24.23	17.41	703.15	--	--
		7/13/2011	720.56	NM	19.60	700.96	--	--
		9/29/2011	720.56	23.96	20.84	699.72	--	--
		11/7/2011	720.56	23.92	21.52	699.04	--	--
		3/27/2012	720.56	23.05	20.06	700.50	--	--
		9/12/2013	720.56	23.95	22.11	698.45	--	--
		3/18/2014	720.56	23.92	18.76	701.80	--	--
	MW-24-S2A	5/17/2001	718.68	24.68	21.45	697.23	--	--
		3/15/2002	718.68	NM	19.98	698.70	--	Sheen
		5/24/2002	718.68	NM	16.54	702.14	--	--
		8/15/2002	718.68	NM	20.55	698.13	--	--
		5/22/2003	718.68	NM	18.88	699.80	--	--
		11/19/2003	718.68	NM	20.30	698.38	--	Sheen
		5/17/2004	718.68	NM	20.38	698.30	--	Sheen
		11/11/2004	718.68	24.51	20.87	697.81	--	Sheen
		3/21/2005	718.68	24.51	19.94	698.74	--	Sheen
		6/28/2005	718.68	22.35	20.89	697.79	--	--
		1/10/2006	718.68	24.44	20.63	698.05	--	--
		4/10/2006	718.68	24.32	19.27	699.41	--	--
		2/2/2007	718.68	25.21	17.41	701.27	--	--
		10/8/2007	718.68	24.63	22.04	696.64	21.98	0.06
		1/18/2008	718.68	NM	NM	NM	NM	0.13
		5/19/2008	718.68	NM	20.68	698.00	20.55	--
		12/10/2008	718.68	NM	21.80	696.88	--	--
		2/10/2009	718.68	24.45	21.31	697.37	--	--
		3/27/2009	718.68	24.39	20.95	697.73	--	--
		4/7/2009	718.68	24.55	20.55	698.13	--	--
		9/25/2009	718.68	24.35	21.55	697.13	--	--
		11/2/2009	718.68	24.54	21.34	697.34	--	--

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Table 1. Monitoring Well Gauging Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014, Allison Transmission, Inc., Speedway, Indiana

Area	Well	Date	Top of Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		12/18/2009	718.68	NM	21.76	696.92	21.76	–
		3/23/2010	718.68	NM	20.88	697.80	–	–
		4/30/2010	720.84	NM	20.35	700.49	--	–
		8/23/2010	720.84	26.75	22.72	698.12	--	–
		10/14/2010	720.84	NM	22.21	698.63	--	–
		11/18/2010	720.84	NM	24.36	696.48	24.34	0.02
		12/6/2010	720.84	NM	24.04	696.80	23.91	0.13
		2/16/2011	720.84	Diver dpld	24.35	696.49	24.14	0.21
		3/11/2011	720.84	Diver dpld	19.99	700.85	--	–
		4/7/2011	720.84	Diver dpld	21.95	698.89	--	–
		5/9/2011	720.84	NM	19.94	700.90	--	–
		6/3/2011	720.84	Diver dpld	21.54	699.30	--	–
		7/13/2011	720.84	NM	22.75	698.09	--	–
		8/3/2011	720.84	NM	23.55	697.29	--	–
		9/29/2011	720.84	26.50	23.48	697.36	--	–
		11/7/2011	720.84	NM	23.95	696.89	--	–
		12/8/2011	720.84	23.78	23.11	697.79	23.04	0.07
		3/27/2012	720.84	23.60	23.26	697.58	--	–
		9/20/2012	720.84	NM	23.32	697.57	23.26	0.06
		11/14/2012	720.84	26.80	23.63	697.21	--	–
		2/18/2013	720.84	26.59	22.68	698.16	--	–
		3/28/2013	720.84	26.80	23.11	697.74	23.10	0.01
		9/12/2013	720.84	26.60	14.13	704.57	14.11	0.02
		11/25/2013	720.84	26.53	23.14	697.70	--	–
		3/18/2014	720.84	26.50	21.89	698.95	--	–
	MW-28-S2	5/16/2001	722.34	NM	29.63	692.71	--	–
		8/17/2001	722.34	32.60	29.38	692.96	28.42	0.96
		3/14/2002	722.34	NM	27.00	695.34	26.98	0.02
		4/16/2002	722.34	32.47	26.68	695.66	26.67	0.01
		5/24/2002	722.34	NM	25.34	697.00	25.33	0.01
		6/27/2002	722.34	32.50	26.72	695.62	26.71	0.01
		7/22/2002	722.34	32.50	27.81	694.53	27.80	0.01
		8/15/2002	722.34	32.50	28.34	694.00	28.32	0.02
		9/17/2002	722.34	32.50	29.50	692.84	28.80	0.70
		10/29/2002	722.34	32.50	29.20	693.14	--	–
		11/22/2002	722.34	32.55	29.26	693.08	28.56	0.70
		12/18/2002	722.34	32.54	30.47	691.87	28.81	1.66
		1/21/2003	722.34	32.50	29.03	693.31	28.61	0.42
		5/22/2003	722.34	32.50	26.60	695.74	26.56	0.04
		8/4/2003	722.34	31.30	27.24	695.10	27.23	0.01
		10/21/2003	722.34	31.30	27.34	695.00	--	–
		11/19/2003	722.34	NM	27.79	694.55	--	–
		12/17/2003	722.34	32.50	28.55	693.79	--	–
		1/21/2004	722.34	32.40	26.98	695.36	--	–
		5/17/2004	722.34	NM			--	–
		8/31/2004	722.34	NM	23.32	699.02	--	–
		11/19/2004	722.34	32.50	27.40	694.94	--	–
		1/31/2005	722.34	32.50	24.96	697.38	--	–
		2/24/2005	722.34	32.50	22.61	699.73	--	–
		3/29/2005	722.34	32.50	27.60	694.74	--	–
		4/28/2005	722.34	32.50	22.32	700.02	--	–
		5/31/2005	722.34	32.50	27.49	694.85	--	–
		6/29/2005	722.34	32.50	27.64	694.70	--	–
		7/29/2005	722.34	31.31	28.07	694.27	--	--
		8/31/2005	722.34	31.31	28.32	694.02	--	--
		9/30/2005	722.34	32.50	27.37	694.97	--	--
		10/31/2005	722.34	32.50	28.53	693.81	--	--
		11/29/2005	722.34	32.50	27.78	694.56	--	--
		12/22/2005	722.34	32.50	28.08	694.26	--	--
		1/20/2006	722.34	31.53	27.40	694.94	--	Sheen
		1/31/2006	722.34	32.50	27.57	694.77	--	Sheen
		2/28/2006	722.34	32.50	27.53	694.81	--	Sheen
		3/30/2006	722.34	32.50	26.81	695.53	--	Sheen
		4/11/2006	722.34	32.50	28.31	694.03	–	Sheen
		4/28/2006	722.34	32.50	28.13	694.21	–	Sheen
		5/30/2006	722.34	32.50	28.44	693.90	–	Sheen
		6/26/2006	722.34	32.50	27.70	694.64	–	Sheen
		8/16/2006	722.34	31.11	28.07	694.27	--	Sheen
		8/29/2006	722.34	31.11	28.19	694.15	--	Sheen
		9/26/2006	722.34	31.11	27.82	694.52	--	Sheen
		10/18/2006	722.34	31.11	28.06	694.28	--	Sheen
		11/23/2006	722.34	31.11	26.87	695.47	--	Sheen
		12/18/2006	722.34	31.11	26.60	695.74	--	Sheen
		1/16/2007	722.34	31.60	24.71	697.63	--	–
		2/2/2007	722.34	31.60	24.97	697.37	--	–
		2/22/2007	722.34	31.60	24.43	697.91	--	–
		3/20/2007	722.34	31.60	26.84	695.50	--	–
		4/24/2007	722.34	31.60	27.54	694.80	--	–
		5/17/2007	722.34	31.60	27.44	694.90	--	–
		6/26/2007	722.34	31.60	28.76	693.58	--	–
		10/8/2007	722.34	31.77	29.70	692.64	28.88	0.82
		12/13/2007	722.34	31.77	29.20	693.14	28.70	0.50
		1/18/2008	722.34	NM	NM	NM	NM	0.10
		5/19/2008	722.34	NM	28.74	693.60	28.64	0.10
		7/31/2008	722.34	31.45	27.85	694.49	27.75	0.10
		8/27/2008	722.34	31.48	28.91	693.43	28.75	0.16
		9/25/2008	722.34	NM	28.68	693.66	--	Sheen
		10/29/2008	722.34	31.44	29.01	693.33	28.90	0.11
		11/24/2008	722.34	NM	28.93	693.41	28.75	0.18

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Area	Well	Date	Top of Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		12/10/2008	722.34	NM	29.21	693.13	28.82	0.39
		1/26/2009	722.34	31.23	29.10	693.31	29.01	0.09
		2/24/2009	722.34	31.23	27.21	695.13	--	--
		3/17/2009	722.34	31.23	27.81	694.53	--	--
		3/24/2009	722.34	NM	28.86	693.58	28.74	0.12
		4/7/2009	722.34	31.23	27.46	694.88	--	Globules
		6/15/2009	722.34	31.56	26.71	695.63	--	--
		7/30/2009	722.34	NM	27.24	695.10	--	--
		8/26/2009	722.34	NM	28.59	693.75	--	--
		9/25/2009	722.34	31.56	28.91	693.43	--	--
		11/2/2009	722.34	31.51	28.40	693.94	--	--
		12/18/2009	722.34	31.51	28.67	693.67	--	--
		1/22/2010	722.37	31.42	28.67	693.70	--	--
		2/22/2010	722.37	NM	28.57	693.80	--	--
		3/23/2010	722.37	NM	27.61	694.76	--	--
		5/24/2010	722.37	NM	27.55	694.82	--	--
		7/20/2010	722.37	NM	26.84	695.53	--	--
		8/23/2010	722.37	NM	28.23	694.14	--	--
		10/14/2010	722.37	31.30	28.55	693.82	--	--
		11/18/2010	722.37	31.43	28.89	693.48	--	--
		12/6/2010	722.37	NM	28.80	693.57	--	--
		1/10/2011	722.37	31.55	28.48	693.89	--	--
		2/16/2011	722.37	Diver dpld	26.75	693.57	--	--
		3/11/2011	722.37	Diver dpld	24.78	693.76	--	--
		4/7/2011	722.37	Diver dpld	26.84	693.61	--	--
		6/3/2011	722.37	NM	26.34	696.03	--	--
		9/29/2011	722.37	32.24	28.22	694.77	--	--
		11/7/2011	722.37	NM	28.20	694.17	--	--
		12/8/2011	722.37	31.46	27.12	695.26	--	--
		1/6/2012	722.37	31.30	26.57	693.86	--	--
		2/10/2012	722.37	36.09	27.73	693.59	--	--
		3/27/2012	722.37	31.45	27.18	693.26	--	--
		5/4/2012	722.37	NM	26.74	693.32	--	--
		8/29/2012	722.37	31.39	28.21	694.16	--	--
		11/14/2012	722.37	31.40	28.74	693.63	--	--
		2/18/2013	722.37	31.38	27.44	694.93	--	--
		3/28/2013	722.37	31.40	27.77	695.28	--	--
		9/12/2013	722.37	31.33	28.74	693.63	--	--
		11/25/2013	722.37	31.42	28.16	694.21	--	--
		3/18/2014	722.37	31.36	26.51	695.86	--	--
		5/6/2014	722.37	31.45	26.45	695.92	--	--
	MW-30-S2	5/16/2001	721.25	NM	27.85	693.40	--	--
		8/17/2001	721.25	34.00	27.63	693.62	27.61	0.02
		3/14/2002	721.25	NM	26.30	694.95	--	Sheen
		4/16/2002	721.25	33.43	25.81	695.44	25.80	0.01
		5/24/2002	721.25	NM	24.91	696.34	--	--
		6/27/2002	721.25	33.43	25.42	695.83	25.41	0.01
		7/22/2002	721.25	33.45	27.07	694.18	27.06	0.01
		8/15/2002	721.25	NM	27.60	693.65	--	--
		9/17/2002	721.25	33.45	28.01	693.24	--	--
		10/29/2002	721.25	33.45	28.05	693.20	--	--
		11/22/2002	721.25	33.50	27.97	693.28	--	--
		12/18/2002	721.25	33.39	28.13	693.12	--	--
		5/22/2003	721.25	33.38	25.95	695.30	--	--
		8/1/2003	721.25	33.36	26.71	694.54	26.70	0.01
		11/19/2003	721.25	NM	26.81	694.44	--	--
		1/21/2004	721.25	33.44	26.02	695.23	--	--
		5/17/2004	721.25	NM	27.26	693.99	--	--
		11/19/2004	721.25	33.45	27.42	693.83	--	--
		3/29/2005	721.25	33.45	26.58	694.67	--	--
		6/29/2005	721.25	33.45	26.71	694.54	--	--
		9/30/2005	721.25	33.45	27.40	693.85	--	--
		12/22/2005	721.25	33.45	28.12	693.13	--	--
		1/20/2006	721.25	33.25	26.55	694.70	--	Sheen
		3/30/2006	721.25	33.45	26.57	694.68	--	Sheen
		4/11/2006	721.25	33.31	26.56	694.69	--	Sheen
		6/26/2006	721.25	33.31	26.92	694.33	--	Sheen
		2/2/2007	721.25	34.45	24.97	696.28	--	--
		10/8/2007	721.25	33.34	28.27	692.98	--	--
		5/19/2008	721.25	33.30	26.31	694.94	--	--
		9/25/2008	721.25	NM	27.91	693.39	27.85	0.06
		12/10/2008	721.25	NM	28.00	693.25	--	--
		1/26/2009	721.25	33.29	28.20	693.05	--	--
		2/24/2009	721.25	33.29	26.84	694.41	--	--
		3/17/2009	721.25	33.29	27.25	694.00	--	--
		4/7/2009	721.25	33.29	26.03	695.22	--	--
		6/15/2009	721.25	33.41	26.01	695.24	--	--
		7/30/2009	721.25	NM	26.97	694.28	--	--
		8/26/2009	721.25	NM	27.69	693.56	--	--
		9/25/2009	721.25	33.41	28.13	693.12	--	--
		11/2/2009	721.25	33.28	27.69	693.56	--	--
		12/18/2009	721.25	33.28	28.75	692.50	--	--
		1/22/2010	721.25	33.31	28.75	692.50	--	--
		2/22/2010	721.25	NM	27.41	693.84	--	--
		3/23/2010	721.25	NM	26.90	694.35	--	--
		5/24/2010	721.25	NM	26.90	694.35	--	--
		7/20/2010	721.25	NM	26.55	694.70	--	--
		8/23/2010	721.25	NM	27.82	693.43	--	--
		10/14/2010	721.25	33.30	28.28	692.97	28.24	0.04

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Table 1. Monitoring Well Gauging Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014, Allison Transmission, Inc., Speedway, Indiana

Area	Well	Date	Top of Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		11/18/2010	721.25	NM	28.47	692.80	28.44	0.00
		12/6/2010	721.25	NM	NM	NM	--	--
		1/10/2011	721.25	33.41	28.09	693.16	--	--
		2/16/2011	721.25	Diver dpld	27.65	693.60	--	--
		3/11/2011	721.25	Diver dpld	24.86	696.40	24.85	0.01
		4/7/2011	721.25	Diver dpld	26.75	694.50	--	--
		5/6/2011	721.25	NM	24.71	696.54	--	--
		6/3/2011	721.25	33.50	26.60	694.65	--	--
		7/13/2011	721.25	NM	27.20	694.05	--	--
		8/3/2011	721.25	NM	27.94	693.31	--	--
		9/29/2011	721.25	33.24	27.82	693.43	--	--
		11/7/2011	721.25	NM	28.07	693.18	--	--
		12/8/2011	721.25	NM	26.50	694.75	--	--
		1/6/2012	721.25	33.28	26.63	694.35	--	--
		2/10/2012	721.25	33.22	26.28	694.70	--	--
		3/27/2012	721.25	33.31	27.03	694.22	--	--
		5/4/2012	721.25	NM	26.15	694.83	--	--
		8/29/2012	721.25	30.84	28.00	692.98	--	--
		11/14/2012	721.25	34.45	28.11	693.14	--	--
		2/18/2013	721.25	33.24	27.20	694.05	--	--
		3/28/2013	721.25	34.45	27.44	693.81	--	--
		9/12/2013	721.25	33.22	28.16	693.10	28.15	0.01
		11/25/2013	721.25	33.22	27.47	693.78	--	--
		3/18/2014	721.25	33.29	26.21	695.04	--	--
		5/6/2014	721.25	31.72	26.45	694.80	--	--
	MW-31-S2	5/16/2001	721.10	NM	25.40	695.70	--	--
		8/17/2001	721.10	32.50	26.20	694.90	26.18	0.02
		3/14/2002	721.10	NM	24.91	696.19	--	Sheen
		4/16/2002	721.10	31.98	24.11	696.99	24.10	0.01
		5/24/2002	721.10	NM	23.12	697.98	--	--
		6/27/2002	721.10	32.00	24.21	696.89	24.20	0.01
		7/22/2002	721.10	32.02	25.23	695.87	25.22	0.01
		8/15/2002	721.10	NM	25.95	695.15	--	--
		9/17/2002	721.10	32.01	26.60	694.50	--	--
		10/29/2002	721.10	32.02	26.65	694.45	26.64	0.01
		11/22/2002	721.10	32.08	26.41	694.69	--	--
		12/18/2002	721.10	31.99	26.69	694.41	--	--
		1/21/2003	721.10	32.02	25.82	695.28	--	--
		5/22/2003	721.10	31.92	24.22	696.88	--	--
		8/1/2003	721.10	32.00	24.76	696.34	--	--
		11/19/2003	721.10	NM	27.68	693.42	--	--
		1/21/2004	721.10	31.90	26.87	694.23	--	--
		5/19/2004	721.10	32.01	24.39	696.71	--	--
		11/19/2004	721.10	32.01	24.02	697.08	--	--
		3/29/2005	721.10	32.01	24.58	696.52	--	--
		6/30/2005	721.10	32.01	24.27	696.83	--	--
		9/30/2005	721.10	32.01	24.01	697.09	--	--
		4/11/2006	721.10	32.00	24.68	696.42	--	--
		6/26/2006	721.10	32.00	25.32	695.78	--	--
		2/2/2007	721.10	31.81	23.07	698.03	--	--
		10/8/2007	721.10	31.97	26.83	694.27	--	--
		5/19/2008	721.10	NM	25.28	695.82	--	--
		12/10/2008	721.10	NM	26.83	694.30	26.79	0.04
		1/26/2009	721.10	31.80	25.80	695.30	--	--
		2/24/2009	721.10	31.80	24.54	696.56	--	--
		3/17/2009	721.10	31.80	25.27	695.83	--	--
		4/7/2009	721.10	31.80	24.86	696.24	--	--
		6/15/2009	721.10	32.05	23.75	697.35	--	--
		7/30/2009	721.10	NM	24.45	696.65	--	--
		8/26/2009	721.10	NM	25.80	695.30	--	--
		9/25/2009	721.10	32.05	26.48	694.62	--	--
		11/2/2009	721.10	32.00	26.19	694.91	--	--
		12/18/2009	721.10	32.00	26.51	694.59	--	--
		1/22/2010	721.10	32.00	26.51	694.59	--	--
		2/22/2010	721.10	NM	26.04	695.06	--	--
		3/23/2010	721.10	NM	25.33	695.77	--	--
		4/30/2010	721.10	31.98	25.32	695.78	--	--
		5/24/2010	721.10	NM	25.41	695.69	--	--
		7/20/2010	721.10	NM	24.49	696.61	--	--
		8/23/2010	721.10	NM	25.87	695.23	--	--
		10/14/2010	721.10	31.91	26.60	694.50	--	--
		11/18/2010	721.10	31.95	26.86	694.24	--	--
		12/6/2010	721.10	NM	28.33	692.79	28.30	0.00
		1/10/2011	721.10	32.00	26.56	694.54	--	--
		2/16/2011	721.10	Diver dpld	26.62	694.48	--	--
		3/11/2011	721.10	Diver dpld	22.71	698.39	--	--
		4/7/2011	721.10	Diver dpld	24.75	696.35	--	--
		5/6/2011	721.10	NM	22.71	698.39	--	--
		6/3/2011	721.10	Diver dpld	24.41	696.69	--	--
		7/13/2011	720.98	NM	25.43	695.55	--	--
		8/3/2011	720.98	NM	26.08	694.90	--	--
		9/29/2011	720.98	31.98	26.41	694.57	--	--
		11/7/2011	720.98	NM	26.64	694.34	--	--
		12/8/2011	720.98	NM	25.20	695.78	--	--
		1/6/2012	720.98	31.85	24.63	696.35	--	--
		2/10/2012	720.98	31.85	24.46	696.52	--	--
		3/27/2012	720.98	31.92	25.55	695.43	--	--
		5/4/2012	720.98	NM	25.05	695.93	--	--
		8/29/2012	720.98	31.90	26.61	694.37	--	--

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Table 1. Monitoring Well Gauging Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014, Allison Transmission, Inc., Speedway, Indiana

Area	Well	Date	Top of Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		9/20/2012	720.98	31.91	26.14	694.84	--	--
		11/14/2012	720.98	31.90	26.37	694.61	--	--
		2/18/2013	720.98	31.91	25.10	695.88	--	--
		3/28/2013	720.98	31.90	25.44	695.54	--	--
		9/12/2013	720.98	31.84	26.59	694.51	--	--
		11/25/2013	720.98	31.85	28.36	692.62	--	--
		3/18/2014	720.98	31.91	24.23	696.75	--	--
		5/6/2014	720.98	31.91	24.39	696.59	--	--
	MW-32-S2	5/16/2001	722.45	NM	29.12	693.33	--	--
		8/17/2001	722.45	31.60	28.50	693.95	28.49	0.01
		3/14/2002	722.45	NM	26.95	695.50	--	Sheen
		4/16/2002	722.45	31.64	26.51	695.94	26.50	0.01
		5/24/2002	722.45	NM	25.28	697.17	--	--
		6/27/2002	722.45	31.60	26.60	695.85	26.59	0.01
		7/22/2002	722.45	31.06	27.81	694.64	27.80	0.01
		8/15/2002	722.45	NM	23.32	699.13	--	--
		9/17/2002	722.45	31.60	28.93	693.52	28.92	0.01
		10/29/2002	722.45	31.60	29.00	693.45	--	--
		11/22/2002	722.45	31.65	28.72	693.73	--	--
		12/18/2002	722.45	31.61	29.04	693.41	--	--
		1/21/2003	722.45	31.60	28.41	694.04	--	--
		5/22/2003	722.45	31.63	26.41	696.04	--	--
		8/4/2003	722.45	31.54	27.26	695.19	27.25	0.01
		10/21/2003	722.45	31.55	27.25	695.20	--	--
		11/19/2003	722.45	NM	27.90	694.55	--	--
		12/17/2003	722.45	NM	27.81	694.64	--	--
		1/21/2004	722.45	31.65	26.89	695.56	--	--
		5/17/2004	722.45	31.53	27.64	694.81	--	--
		8/31/2004	722.45	31.60	26.94	695.51	--	--
		11/19/2004	722.45	NM	28.41	694.04	--	--
		1/31/2005	722.45	31.60	24.94	697.51	--	--
		2/24/2005	722.45	31.60	26.20	696.25	--	--
		3/29/2005	722.45	31.60	27.61	694.84	--	--
		4/28/2005	722.45	31.60	25.91	696.54	--	--
		5/31/2005	722.45	31.60	26.98	695.47	--	--
		6/29/2005	722.45	31.60	27.93	694.52	--	--
		7/29/2005	722.45	31.56	28.20	694.25	--	--
		8/31/2005	722.45	31.56	28.45	694.00	--	--
		9/30/2005	722.45	31.60	28.39	694.06	--	--
		10/31/2005	722.45	31.60	28.77	693.68	28.56	0.21
		11/29/2005	722.45	31.60	28.04	694.41	--	--
		12/22/2005	722.45	31.60	29.11	693.34	--	--
		1/20/2006	722.45	31.60	27.40	695.05	--	Sheen
		1/31/2006	722.45	31.55	27.25	695.20	27.18	0.07
		2/28/2006	722.45	31.55	27.20	695.25	27.18	0.02
		3/30/2006	722.45	31.55	27.14	695.31	--	Sheen
		4/11/2006	722.45	31.55	27.18	695.27	--	Sheen
		4/28/2006	722.45	31.55	27.01	695.44	--	Sheen
		5/30/2006	722.45	31.55	27.31	695.14	--	Sheen
		6/26/2006	722.45	31.55	27.51	694.94	--	Sheen
		8/16/2006	722.45	31.58	27.97	694.48	--	Sheen
		8/29/2006	722.45	31.60	28.32	694.13	--	Sheen
		9/26/2006	722.45	31.60	28.04	694.41	--	Sheen
		10/18/2006	722.45	31.60	28.20	694.25	--	Sheen
		11/23/2006	722.45	31.60	26.76	695.69	--	Sheen
		12/18/2006	722.45	31.60	26.38	696.07	--	Sheen
		1/16/2007	722.45	31.95	24.43	698.02	--	--
		2/2/2007	722.45	31.95	25.45	697.00	--	--
		2/22/2007	722.45	31.95	24.21	698.24	--	--
		3/20/2007	722.45	31.95	27.03	695.42	--	--
		4/24/2007	722.45	31.95	27.38	695.07	--	--
		5/17/2007	722.45	31.95	27.30	695.15	--	--
		6/26/2007	722.45	31.95	28.82	693.63	--	--
		12/13/2007	722.45	31.95	29.01	693.44	--	--
		5/19/2008	722.45	31.52	26.74	695.71	--	--
		9/25/2008	722.45	NM	28.69	693.76	--	Sheen
		12/10/2008	722.45	NM	29.27	693.18	28.84	0.43
		1/26/2009	722.45	31.58	28.08	694.49	27.94	0.14
		2/24/2009	722.45	31.58	26.88	695.60	26.84	0.04
		3/17/2009	722.45	31.58	27.68	694.77	--	--
		4/7/2009	722.45	31.58	27.27	695.18	--	--
		6/15/2009	722.45	31.48	27.10	695.35	--	--
		7/30/2009	722.45	NM	27.17	695.28	--	--
		8/26/2009	722.45	NM	28.32	694.13	--	--
		9/25/2009	722.45	31.48	28.90	693.55	--	--
		11/2/2009	722.45	31.61	29.29	693.16	28.50	0.79
		12/18/2009	722.45	31.61	28.90	693.55	28.86	0.04
		1/22/2010	722.46	31.50	28.90	694.12	28.22	0.68
		2/22/2010	722.46	NM	28.65	694.11	28.29	0.36
		3/23/2010	722.46	NM	27.68	694.93	27.50	0.18
		5/24/2010	722.46	NM	27.75	694.79	27.65	0.10
		7/20/2010	722.46	NM	26.81	695.65	--	--
		8/23/2010	722.46	NM	28.30	694.16	--	--
		10/14/2010	722.46	31.52	28.62	693.84	--	--
		11/18/2010	722.46	NM	29.30	693.45	28.95	0.35
		12/6/2010	722.46	NM	29.01	693.53	28.91	0.10
		1/10/2011	722.46	31.75	28.75	693.74	28.71	0.04
		2/16/2011	722.46	Diver dpld	28.74	694.79	28.65	0.09
		3/11/2011	722.46	Diver dpld	24.70	697.78	24.68	0.02

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Area	Well	Date	Top of Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		4/7/2011	722.46	Diver dpld	26.82	695.64	--	--
		5/6/2011	722.46	NM	24.75	697.71	--	--
		6/3/2011	722.46	31.70	26.61	695.85	--	--
		7/13/2011	722.46	NM	27.70	694.76	--	--
		8/3/2011	722.46	NM	28.28	694.18	--	--
		8/15/2011	722.46	NM	28.28	694.18	--	--
		9/29/2011	722.46	31.49	28.57	693.89	--	--
		11/7/2011	722.46	NM	28.57	693.89	--	--
		12/8/2011	722.46	NM	27.30	695.16	--	--
		1/6/2012	722.46	31.50	26.39	696.07	--	--
		2/10/2012	722.46	31.50	26.44	696.02	--	--
		3/27/2012	722.46	31.56	27.49	694.97	--	--
		5/4/2012	722.46	NM	27.02	695.44	--	--
		8/29/2012	722.46	31.50	29.62	692.84	--	--
		11/14/2012	722.46	31.50	29.39	693.51	28.86	0.53
		2/18/2013	722.46	31.47	27.61	694.90	27.55	0.06
		3/28/2013	722.46	31.50	27.80	694.66	27.79	0.01
		9/12/2013	722.46	31.47	29.01	693.45	28.91	0.01
		11/25/2013	722.46	31.45	28.83	693.63	--	--
		3/18/2014	722.46	31.49	26.74	695.92	26.50	0.24
		5/6/2014	722.46	31.44	26.68	695.90	26.54	0.14
	MW-33-S2	5/16/2001	720.77	NM	27.63	693.14	--	--
		8/17/2001	720.77	30.30	26.55	694.22	25.88	0.67
		3/14/2002	720.77	NM	24.65	696.12	--	Sheen
		4/16/2002	720.77	29.97	23.71	697.06	23.70	0.01
		5/24/2002	720.77	NM	22.25	698.52	22.24	0.01
		6/27/2002	720.77	29.98	23.81	696.96	23.80	0.01
		7/22/2002	720.77	30.00	24.93	695.84	24.81	0.12
		8/15/2002	720.77	29.98	25.73	695.04	25.70	0.03
		9/17/2002	720.77	30.00	27.25	693.52	26.30	0.95
		10/29/2002	720.77	30.00	26.57	694.20	26.35	0.22
		11/22/2002	720.77	30.03	26.56	694.21	26.15	0.41
		12/18/2002	720.77	30.02	27.41	693.36	26.45	0.96
		1/21/2003	720.77	30.00	25.79	694.98	25.72	0.07
		5/22/2003	720.77	29.95	23.90	696.87	--	--
		8/1/2003	720.77	29.95	24.34	696.43	24.29	0.05
		11/19/2003	720.77	NM	24.46	696.31	--	--
		1/21/2004	720.77	29.97	23.65	697.12	--	--
		5/19/2004	720.77	29.95	25.88	694.89	25.56	0.32
		11/19/2004	720.77	29.95	25.42	695.35	25.17	0.25
		3/29/2005	720.77	29.95	24.71	696.06	24.37	0.34
		6/30/2005	720.77	29.95	24.82	695.95	24.33	0.49
		9/30/2005	720.77	29.95	25.40	695.37	25.22	0.18
		12/22/2005	720.77	29.95	26.12	694.65	25.77	0.35
		1/20/2006	720.77	29.82	25.06	695.71	--	Sheen
		3/10/2006	720.77	29.95	25.72	695.05	25.08	0.64
		3/30/2006	720.77	29.95	24.39	696.38	24.36	0.03
		4/11/2006	720.77	29.95	24.47	696.30	24.45	0.02
		4/28/2006	720.77	29.95	24.29	696.48	24.27	0.02
		5/30/2006	720.77	29.95	24.60	696.17	--	Sheen
		6/26/2006	720.77	29.95	23.96	696.81	--	Sheen
		8/16/2006	720.77	29.94	26.01	694.76	25.50	0.51
		8/29/2006	720.77	30.03	26.00	694.77	25.87	0.13
		9/26/2006	720.77	30.03	25.72	695.05	25.60	0.12
		10/18/2006	720.77	30.03	25.90	694.87	25.85	0.05
		11/23/2006	720.77	30.03	24.52	696.25	--	Sheen
		12/18/2006	720.77	30.03	24.07	696.70	24.05	0.02
		1/16/2007	720.77	30.03	22.10	698.67	22.07	0.03
		2/2/2007	720.77	30.09	22.31	698.46	--	--
		2/22/2007	720.77	30.09	21.85	698.92	21.79	0.06
		3/20/2007	720.77	30.09	23.95	696.82	23.89	0.06
		4/24/2007	720.77	30.09	24.05	696.72	23.92	0.13
		5/17/2007	720.77	30.09	23.68	697.09	23.67	0.01
		6/26/2007	720.77	30.09	26.22	694.55	26.18	0.04
		7/24/2007	720.77	30.29	27.23	693.54	26.32	0.91
		8/20/2007	720.77	30.29	27.13	693.64	26.30	0.83
		10/8/2007	720.77	29.98	27.46	693.31	26.54	0.92
		10/22/2007	720.77	29.98	26.89	693.88	25.88	1.01
		11/15/2007	720.77	29.98	26.93	693.84	25.85	1.08
		12/13/2007	720.77	30.05	27.04	693.73	26.46	0.58
		1/18/2008	720.77	30.00	25.10	695.67	25.10	sheen
		2/8/2008	720.77	30.00	25.89	694.88	25.23	0.66
		3/10/2008	720.77	30.00	25.68	695.09	25.17	0.51
		4/7/2008	720.77	30.01	24.70	696.07	24.70	sheen
		5/19/2008	720.77	30.00	24.24	696.53	24.10	0.14
		6/26/2008	720.77	30.00	24.80	695.97	24.76	0.04
		7/31/2008	720.77	30.00	27.25	693.52	27.20	0.05
		8/27/2008	720.77	30.00	27.08	693.69	26.35	0.73
		9/25/2008	720.77	NM	26.21	694.56	26.02	0.19
		10/29/2008	720.77	30.08	27.03	693.74	26.41	0.62
		11/24/2008	720.77	NM	27.03	693.74	26.40	0.63
		12/10/2008	720.77	NM	27.41	693.36	26.54	0.87
		1/26/2009	720.77	30.03	25.60	695.17	--	--
		2/24/2009	720.77	30.03	24.16	696.61	--	--
		3/17/2009	720.77	30.03	24.98	695.79	--	--
		3/24/2009	720.77	NM	27.03	694.25	26.41	0.62
		4/7/2009	720.77	30.03	25.16	695.61	--	--
		6/15/2009	720.77	30.06	23.89	697.22	23.48	0.41
		7/30/2009	720.77	NM	24.01	696.76	23.48	0.53

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Area	Well	Date	Top of Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		8/26/2009	720.77	NM	25.76	695.01	25.49	0.27
		9/25/2009	720.77	30.06	26.30	694.47	--	--
		11/2/2009	720.77	29.86	26.17	694.60	26.07	0.10
		12/18/2009	720.77	29.86	26.30	694.47	26.01	0.29
		1/22/2010	720.77	30.00	26.30	694.97	25.69	0.61
		2/22/2010	720.77	NM	25.75	695.02	--	--
		3/23/2010	720.77	NM	25.04	695.76	25.00	0.04
		5/24/2010	720.77	NM	25.17	695.67	25.08	0.09
		7/20/2010	720.77	NM	24.12	696.87	23.86	0.26
		8/23/2010	720.77	NM	25.51	695.31	25.45	0.06
		10/14/2010	720.77	30.00	26.93	694.44	26.21	0.72
		11/18/2010	720.77	NM	27.40	694.16	26.45	0.95
		12/6/2010	720.77	NM	26.86	694.33	26.35	0.51
		1/10/2011	720.77	NM	26.41	694.54	26.19	0.22
		2/16/2011	720.77	Diver dpld	26.65	694.47	26.23	0.42
		3/11/2011	720.77	Diver dpld	22.01	698.76	--	--
		4/7/2011	720.77	Diver dpld	24.15	696.74	24.00	0.15
		5/6/2011	720.77	NM	22.03	698.79	21.97	0.06
		6/3/2011	720.77	30.11	23.82	696.98	23.78	0.04
		7/13/2011	720.77	NM	24.89	695.89	24.88	0.01
		8/3/2011	720.77	NM	25.60	695.17	--	--
		8/15/2011	720.77	NM	25.60	695.17	--	--
		9/29/2011	720.77	29.82	26.47	694.60	26.11	0.36
		11/7/2011	720.77	NM	26.24	694.58	26.18	0.06
		12/8/2011	720.77	29.90	25.30	695.72	25.00	0.30
		1/6/2012	720.77	Diver dpld	24.00	696.79	23.98	0.02
		2/10/2012	720.77	29.95	23.81	697.01	23.75	0.06
		3/27/2012	720.77	30.03	24.93	695.84	--	--
		5/4/2012	720.77	NM	24.81	695.96	--	--
		8/29/2012	720.77	29.85	26.13	694.66	26.11	0.02
		11/14/2012	720.77	29.84	26.36	694.58	26.15	0.21
		2/18/2013	720.77	30.00	24.75	696.10	24.65	0.10
		3/28/2013	720.77	29.80	25.13	695.66	25.10	0.03
		9/12/2013	720.77	29.94	26.98	694.33	26.33	0.65
		11/25/2013	720.77	29.84	28.33	692.44	--	--
		3/18/2014	720.77	29.99	24.83	695.94	--	--
		5/6/2014	720.77	30.01	23.74	697.12	23.63	0.11
	MW-34-S2	5/16/2001	720.78	NM	25.90	694.88	--	--
		8/17/2001	720.78	29.80	26.00	694.78	25.53	0.47
		3/14/2002	720.78	NM	24.37	696.41	24.32	0.05
		4/16/2002	720.78	29.69	23.99	696.79	23.98	0.01
		6/27/2002	720.78	29.65	22.87	697.91	22.86	0.01
		7/22/2002	720.78	29.66	24.26	696.52	24.14	0.12
		8/15/2002	720.78	29.65	25.40	695.38	25.35	0.05
		9/17/2002	720.78	29.66	26.64	694.14	26.10	0.54
		10/29/2002	720.78	29.66	26.25	694.53	26.20	0.05
		11/22/2002	720.78	29.72	25.97	694.81	25.94	0.03
		12/18/2002	720.78	29.67	26.35	694.43	26.29	0.06
		1/21/2003	720.78	29.60	25.49	695.29	--	--
		5/22/2003	720.78	29.58	23.52	697.26	--	--
		8/1/2003	720.78	29.95	23.66	697.12	--	--
		11/19/2003	720.78	NM	24.35	696.43	--	--
		1/21/2004	720.78	29.69	23.53	697.25	--	--
		5/19/2004	720.78	29.66	25.04	695.74	25.02	0.02
		11/19/2004	720.78	29.66	24.68	696.10	24.63	0.05
		3/29/2005	720.78	29.66	24.78	696.00	24.63	0.15
		6/30/2005	720.78	29.66	24.72	696.06	24.69	0.03
		9/30/2005	720.78	29.66	24.66	696.12	24.41	0.25
		12/22/2005	720.78	29.66	25.37	695.41	25.10	0.27
		1/20/2006	720.78	29.44	24.90	695.88	--	Sheen
		3/10/2006	720.78	29.55	24.88	695.90	--	Sheen
		3/30/2006	720.78	29.55	23.73	697.05	23.62	0.11
		4/11/2006	720.78	29.55	23.81	696.97	--	Sheen
		4/28/2006	720.78	29.55	23.63	697.15	--	Sheen
		5/30/2006	720.78	29.55	23.94	696.84	--	Sheen
		6/26/2006	720.78	29.53	24.62	696.16	--	Sheen
		8/16/2006	720.78	29.53	25.29	695.49	--	--
		8/29/2006	720.78	29.61	25.56	695.22	--	Sheen
		9/26/2006	720.78	29.61	25.32	695.46	--	--
		10/18/2006	720.78	29.61	25.46	695.32	--	--
		11/23/2006	720.78	29.61	24.35	696.43	--	Sheen
		12/18/2006	720.78	29.61	23.71	697.07	--	Sheen
		1/16/2007	720.78	29.61	22.19	698.59	--	--
		2/2/2007	720.78	29.57	21.47	699.31	--	--
		2/22/2007	720.78	29.57	21.95	698.83	--	--
		3/20/2007	720.78	29.57	23.67	697.11	--	--
		4/24/2007	720.78	29.57	23.87	696.91	--	--
		5/17/2007	720.78	29.57	24.42	696.36	--	--
		6/26/2007	720.78	29.57	25.91	694.87	--	--
		10/8/2007	720.78	29.59	26.42	694.36	--	--
		12/13/2007	720.78	29.59	26.24	694.54	--	--
		5/19/2008	720.78	29.60	23.52	697.26	--	--
		9/25/2008	720.78	NM	25.82	694.96	--	Sheen
		12/10/2008	720.78	NM	26.41	694.37	--	--
		1/26/2009	720.78	29.59	25.42	695.36	--	--
		2/24/2009	720.78	29.59	24.19	696.59	--	--
		3/17/2009	720.78	29.59	24.76	696.02	--	--
		4/7/2009	720.78	29.59	24.74	696.04	--	--
		6/15/2009	720.78	29.71	22.55	698.23	--	--

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Area	Well	Date	Top of Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		7/30/2009	720.78	NM	23.12	697.66	--	--
		8/26/2009	720.78	NM	25.25	695.53	--	--
		9/25/2009	720.78	29.71	26.10	694.68	--	--
		11/2/2009	720.78	29.71	25.79	694.99	--	--
		12/18/2009	720.78	29.71	26.23	694.55	--	--
		1/22/2010	720.78	29.52	26.23	694.55		
		2/22/2010	720.78	NM	25.20	695.58	--	--
		3/23/2010	720.78	NM	24.35	696.43	--	--
		5/24/2010	720.78	NM	24.22	696.56	--	--
		7/20/2010	720.78	NM	22.47	698.31		
		8/23/2010	720.78	NM	24.40	696.38	--	--
		10/14/2010	720.78	29.54	25.60	695.18	--	--
		11/18/2010	720.78	29.55	25.85	694.93	--	--
		12/6/2010	720.78	NM	25.51	695.27	--	--
		1/10/2011	720.78	29.60	25.23	695.55	--	--
		2/16/2011	720.78	Diver dpld	25.26	695.52	--	--
		3/11/2011	720.78	Diver dpld	21.11	699.67	--	--
		4/7/2011	720.78	Diver dpld	22.41	698.37	--	--
		5/6/2011	720.78	NM	20.91	699.87	--	--
		6/3/2011	720.78	29.70	22.26	698.52	--	--
		7/13/2011	720.78	NM	23.20	697.58	--	--
		8/3/2011	720.78	NM	23.90	696.88	--	--
		8/15/2011	720.78	NM	23.90	696.88	--	--
		9/29/2011	720.78	29.47	24.97	695.81	--	--
		11/7/2011	720.78	NM	24.90	695.88	--	--
		12/8/2011	720.78	29.50	23.30	697.48	--	--
		1/6/2012	720.78	28.50	22.18	698.60	--	--
		2/10/2012	720.78	29.49	21.84	698.94	--	--
		3/27/2012	720.78	29.56	22.73	698.05	--	--
		5/4/2012	720.78	NM	22.74	698.04	--	--
		8/29/2012	720.78	29.52	23.75	697.03	--	--
		11/14/2012	720.78	29.51	25.91	694.87	--	--
		2/18/2013	720.78	29.51	23.71	697.07	--	--
		3/28/2013	720.78	29.50	24.66	696.12	--	--
		9/12/2013	720.78	29.51	26.24	694.54	--	--
		11/25/2013	720.78	29.40	28.06	692.72	--	--
		3/18/2014	720.78	29.51	21.95	698.83	--	--
		5/6/2014	720.78	29.51	21.70	699.08	--	--
	OSBW-4	4/22/2003	724.13	34.91	24.45	NM	23.80	0.65
		5/13/2003	724.13	34.89	24.05	NM	23.44	0.61
		6/20/2003	724.13	34.90	24.40	NM	23.85	0.55
		8/4/2003	724.13	34.93	23.31	NM	22.89	0.42
		9/18/2003	724.13	34.98	22.10	NM	22.05	0.05
		10/21/2003	724.13	34.80	22.57	NM	--	--
		12/17/2003	724.13	NM	20.64	NM	--	--
		1/21/2004	724.13	34.80	22.21	NM	--	--
		2/24/2004	724.13	34.91	23.35	NM	23.23	0.12
		3/23/2004	724.13	34.91	24.36	NM	24.21	0.15
		4/23/2004	724.13	NM	23.55	NM	--	--
		5/19/2004	724.13	34.91	20.49	NM	20.37	0.12
		6/24/2004	724.13	34.84	26.22	NM	26.21	0.01
		11/19/2004	724.13	34.91	19.98	NM	19.91	0.07
		1/31/2005	724.13	34.91	20.68	NM	20.57	0.11
		2/24/2005	724.13	34.84	25.39	NM	25.36	0.03
		3/29/2005	724.13	34.91	19.77	NM	19.74	0.03
		4/28/2005	724.13	34.91	25.10	NM	25.07	0.03
		5/31/2005	724.13	34.91	22.43	NM	22.38	0.05
		6/29/2005	724.13	34.91	20.24	NM	20.18	0.06
		7/29/2005	724.13	34.85	24.51	NM	24.12	0.39
		8/31/2005	724.13	34.85	24.76	NM	24.42	0.34
		9/30/2005	724.13	34.91	24.89	NM	24.68	0.21
		10/31/2005	724.13	34.84	24.80	NM	24.15	0.65
		11/29/2005	724.13	34.84	24.05	NM	23.48	0.57
		12/22/2005	724.13	34.91	24.62	NM	24.00	0.62
		1/31/2006	724.13	34.91	25.85	NM	25.26	0.59
		2/28/2006	724.13	34.91	25.40	NM	25.23	0.17
		3/30/2006	724.13	34.91	23.55	NM	23.47	0.08
		4/28/2006	724.13	34.91	25.02	NM	24.88	0.14
		5/30/2006	724.13	34.91	24.89	NM	24.68	0.21
		6/26/2006	724.13	34.91	24.73	NM	24.51	0.22
		8/29/2006	724.13	34.82	26.53	698.23	25.77	0.76
		9/26/2006	724.13	34.82	26.44	698.21	25.81	0.63
		10/18/2006	724.13	34.82	26.44	698.06	25.99	0.45
		11/23/2006	724.13	34.82	25.75	698.69	25.38	0.37
		12/18/2006	724.13	34.82	25.48	698.83	25.26	0.22
		1/16/2007	724.13	34.82	23.82	700.40	23.71	0.11
		2/22/2007	724.13	34.82	23.64	700.55	23.57	0.07
		3/20/2007	724.13	34.82	23.45	700.75	23.36	0.09
		4/24/2007	724.13	34.82	24.89	699.29	24.83	0.06
		5/17/2007	724.13	34.82	24.57	699.63	24.48	0.09
		6/26/2007	724.13	34.82	31.10	693.09	31.03	0.07
		7/24/2007	724.13	34.82	27.72	698.05	25.74	1.98
		8/20/2007	724.13	34.82	27.70	698.13	25.65	2.05
		10/22/2007	724.13	34.82	27.25	698.43	25.37	1.88
		11/15/2007	724.13	34.82	27.18	698.52	25.28	1.90
		12/13/2007	724.13	33.95	26.87	699.55	24.10	2.77
		1/18/2008	724.13	34.83	26.08	700.27	23.39	2.69
		2/8/2008	724.13	34.85	25.80	700.23	23.50	2.30
		3/10/2008	724.13	34.84	25.76	700.25	23.49	2.27

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Area	Well	Date	Top of Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		4/7/2008	724.13	34.81	25.68	700.34	23.39	2.29
		5/20/2008	724.13	34.90	25.14	701.35	22.29	2.85
		6/26/2008	724.13	34.80	24.86	700.36	23.54	1.32
		7/31/2008	724.13	34.83	27.70	698.10	25.68	2.02
		8/27/2008	724.13	34.80	27.97	698.05	25.68	2.29
		10/29/2008	724.13	33.24	25.81	699.73	24.11	1.70
		11/24/2008	724.13	NM	25.21	699.82	24.12	1.09
		12/10/2008	724.13	NM	26.62	698.98	24.84	1.78
		1/26/2009	724.13	NM	25.34	699.53	24.45	0.89
		3/24/2009	724.13	NM	25.45	699.42	24.56	0.89
		4/7/2009	724.13	NM	21.55	702.59	21.54	0.01
		11/2/2009	724.13	NM	25.39	699.78	24.13	1.26
		12/18/2009	724.13	NM	27.78	697.00	26.99	0.79
		2/22/2010	724.13	34.82	24.15	700.65	23.34	0.81
		3/23/2010	724.13	NM	24.27	700.54	23.45	0.82
		5/24/2010	724.13	NM	24.06	700.79	23.19	0.87
		8/23/2010	724.13	NM	24.41	699.73	24.40	0.01
		10/14/2010	724.13	NM	25.24	698.91	25.22	0.02
		11/18/2010	724.13	NM	24.51	699.63	24.50	0.01
		12/6/2010	724.13	NM	24.19	699.95	24.18	0.01
		2/16/2011	724.13	34.93	24.56	699.57	--	--
		3/11/2011	724.13	34.90	22.85	701.28	--	--
		4/7/2011	724.13	34.92	23.65	700.48	--	--
		6/3/2011	724.13	34.91	23.61	700.52	--	--
		7/13/2011	724.13	34.90	24.38	699.75	--	--
		8/3/2011	724.13	35.00	24.93	699.20	--	--
		9/29/2011	724.13	34.75	24.96	699.17	--	--
		11/7/2011	724.13	NM	24.70	699.43	--	--
		12/8/2011	724.13	34.70	24.90	699.23	--	--
		3/27/2012	724.13	NM	24.92	699.21	--	--
		11/14/2012	724.13	NM	24.41	699.77	24.35	0.06
		3/28/2013	724.13	34.70	25.11	699.02	--	--
		9/12/2013	724.13	34.75	28.44	695.69	--	--
		3/18/2014	724.13	22.89	21.40	702.73	--	--
AOI 41	MW-12-S1	6/18/1992			18.47			
		5/18/2001	722.24	24.25	16.35	705.89	--	--
		11/1/2001	722.24	24.22	15.50	706.74	--	--
		3/15/2002	722.24	NM	16.56	705.68	--	Sheen
		5/24/2002	722.24	NM	14.34	707.90	--	--
		5/22/2003	722.24	NM	14.60	707.64	--	--
		11/19/2003	722.24	NM	14.59	707.65	--	--
		5/19/2004	722.24	NM	14.78	707.46	--	--
		11/19/2004	722.24	23.75	14.83	707.41	--	--
		1/31/2005	722.24	23.75	15.59	706.65	--	Sheen
		2/24/2005	722.24	23.75	13.87	708.37	--	Sheen
		3/29/2005	722.24	23.75	14.61	707.63	--	--
		4/28/2005	722.24	23.75	13.58	708.66	--	--
		5/31/2005	722.24	23.75	14.67	707.57	--	--
		6/29/2005	722.24	23.75	14.52	707.72	--	--
		7/29/2005	722.24	23.80	15.08	707.16	--	--
		8/31/2005	722.24	23.80	15.33	706.91	--	--
		9/30/2005	722.24	23.78	14.81	707.43	--	--
		10/31/2005	722.24	23.78	15.27	706.97	--	--
		11/29/2005	722.24	23.78	14.55	707.69	--	--
		12/22/2005	722.24	23.78	15.51	706.73	--	--
		1/31/2006	722.24	23.75	16.23	706.01	--	--
		2/28/2006	722.24	23.75	15.16	707.08	--	--
		3/2/2006	722.24	23.59	15.15	707.09	--	--
		3/30/2006	722.24	23.79	15.18	707.06	--	--
		4/10/2006	722.24	23.79	15.23	707.01	--	--
		4/28/2006	722.24	23.79	15.05	707.19	--	--
		5/30/2006	722.24	23.79	15.36	706.88	--	--
		6/26/2006	722.24	23.79	15.38	706.86	--	--
		8/29/2006	722.24	24.84	15.15	707.09	--	--
		9/26/2006	722.24	24.84	15.36	706.88	--	Sheen
		10/18/2006	722.24	24.84	15.42	706.82	--	--
		11/23/2006	722.24	24.84	15.17	707.07	--	Sheen
		12/18/2006	722.24	24.84	15.10	707.14	--	--
		1/16/2007	722.24	24.84	14.69	707.55	--	--
		2/22/2007	722.24	24.84	21.50	700.74	--	--
		3/20/2007	722.24	24.84	14.89	707.35	--	--
		4/24/2007	722.24	24.84	15.35	706.89	--	--
		5/17/2007	722.24	24.84	15.11	707.13	--	--
		6/26/2007	722.24	24.84	19.41	702.83	--	--
		12/13/2007	722.24	23.90	15.62	706.62	--	--
		5/20/2008	722.24	23.90	14.59	707.65	--	--
		12/10/2008	722.24	NM	14.95	707.29	--	--
		4/7/2009	722.24	23.93	14.68	707.56	--	--
		5/24/2010	722.24	23.98	14.95	707.29	--	--
		5/6/2011	722.24	24.05	14.65	707.59	--	--
		9/29/2011	722.24	23.83	15.08	707.17	--	0.01
		3/27/2012	722.24	23.88	15.84	706.40	--	--
		3/28/2013	722.24	23.85	14.63	707.64	14.55	0.08
		9/12/2013	722.24	NM	15.00	707.26	14.98	0.02
		3/18/2014	722.24	23.82	13.75	708.50	13.74	0.01
AOI 42	MW-0635-S2A	4/7/2009	718.41	26.62	12.96	705.45	--	--
		9/25/2009	718.41	26.69	14.41	704.00	--	--
		11/2/2009	718.41	26.71	14.10	704.31	--	--

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Table 1. Monitoring Well Gauging Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014, Allison Transmission, Inc., Speedway, Indiana

Area	Well	Date	Top of Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		4/30/2010	718.41	26.81	14.26	704.15	--	--
		10/14/2010	718.41	26.70	14.78	703.63	--	--
		9/29/2011	718.41	26.80	14.00	704.41	--	--
		3/27/2012	718.41	26.82	13.95	704.46	--	--
		9/20/2012	718.41	26.76	14.56	703.85	--	--
		3/28/2013	718.41	26.83	13.80	704.61	--	--
		9/12/2013	718.41	26.66	14.26	704.15	--	--
		3/18/2014	718.41	26.61	14.39	704.02	--	--
	MW-0635-S3	4/7/2009	718.37	49.18	11.47	706.90	--	--
		9/25/2009	718.37	49.31	10.38	707.99	--	--
		11/2/2009	718.37	49.30	10.09	708.28	--	--
		10/14/2010	718.37	49.25	11.90	706.47	--	--
		9/29/2011	718.37	49.35	12.56	705.81	--	--
		3/27/2012	718.37	49.33	12.20	706.17	--	--
		9/20/2012	718.37	49.30	12.60	705.77	--	--
		3/28/2013	718.37	49.35	11.56	706.81	--	--
		9/12/2013	718.37	49.20	12.40	705.97	--	--
		3/18/2014	718.37	49.15	10.61	707.76	--	--
	MW-0636-S2A	4/7/2009	719.12	19.86	13.98	705.14	--	--
		9/25/2009	719.12	19.93	15.32	703.80	--	--
		11/2/2009	719.12	19.94	14.98	704.14	--	--
		4/30/2010	719.12	20.06	15.10	704.02	--	--
		10/14/2010	719.12	18.31	15.54	703.58	--	--
		9/29/2011	719.12	20.05	15.00	704.12	--	--
		3/27/2012	719.12	20.05	14.84	704.28	--	--
		9/20/2012	719.12	20.00	15.18	703.94	--	--
		3/28/2013	719.12	20.06	14.56	704.56	--	--
		9/12/2013	719.12	19.85	15.02	704.10	--	--
		3/18/2014	719.12	19.89	14.73	704.39	--	--
	MW-0636-S2B	4/7/2009	719.61	30.91	12.68	706.93	--	--
		9/25/2009	719.61	30.99	13.84	705.77	--	--
		11/2/2009	719.61	31.02	13.50	706.11	--	--
		4/30/2010	719.61	31.10	13.58	706.03	--	--
		10/14/2010	719.61	30.55	14.37	705.24	--	--
		9/29/2011	719.61	31.15	13.50	706.11	--	--
		3/27/2012	719.61	31.10	13.50	706.11	--	--
		9/20/2012	719.61	31.03	13.97	705.64	--	--
		3/28/2013	719.61	31.10	13.14	706.47	--	--
		9/12/2013	719.61	30.85	13.65	705.96	--	--
		3/18/2014	719.61	30.90	13.48	706.13	--	--
	MW-0636-S3	4/7/2009	719.67	55.50	12.95	707.47	12.07	0.88
		9/25/2009	719.67	55.44	11.17	708.50	--	--
		11/2/2009	719.67	55.45	10.86	708.81	--	--
		10/14/2010	719.67	55.45	12.76	706.91	--	--
		9/29/2011	719.67	55.52	12.35	707.32	--	--
		3/27/2012	719.67	55.47	13.01	706.11	--	--
		9/20/2012	719.12	55.41	13.40	705.72	--	--
		3/28/2013	719.12	55.48	12.35	706.77	--	--
		9/12/2013	719.12	55.25	13.42	705.70	--	--
		3/18/2014	719.12	55.28	11.33	707.79	--	--
	MW-0707-S2B	4/7/2009	719.56	30.91	13.63	705.93	--	--
		9/25/2009	719.56	30.98	13.79	705.77	--	--
		11/2/2009	719.56	30.99	13.45	706.11	--	--
		4/30/2010	719.56	31.06	13.49	706.07	--	--
		10/14/2010	719.56	29.50	14.29	705.27	--	--
		9/29/2011	719.56	31.10	13.44	706.12	--	--
		3/27/2012	719.56	31.07	13.42	706.14	--	--
		9/20/2012	719.56	31.00	13.90	705.66	--	--
		3/28/2013	719.56	31.08	13.07	706.49	--	--
		9/12/2013	719.56	30.91	13.59	705.97	--	--
		3/18/2014	719.56	30.87	13.40	706.16	--	--
	MW-0708-S2A	4/7/2009	719.44	21.00	15.20	704.24	--	--
		9/25/2009	719.44	21.06	16.61	702.83	--	--
		11/2/2009	719.44	21.12	16.27	703.17	--	--
		4/30/2010	719.44	21.20	16.40	703.04	--	--
		10/14/2010	719.44	21.03	16.84	702.60	--	--
		9/29/2011	719.44	21.20	16.20	703.24	--	--
		3/27/2012	719.44	21.20	16.24	703.20	--	--
		9/20/2012	719.44	21.13	16.63	702.81	--	--
		3/28/2013	719.44	21.20	16.27	703.17	--	--
		9/12/2013	719.44	21.00	16.88	702.56	--	--
		3/18/2014	719.44	20.98	16.51	702.93	--	--
	MW-0804-S2A	4/7/2009	719.57	27.05	14.52	705.05	--	--
		9/25/2009	719.57	26.11	15.98	703.59	--	--
		11/2/2009	719.57	26.11	15.64	703.93	--	--
		4/30/2010	719.57	26.20	15.84	703.73	--	--
		10/14/2010	719.57	26.00	16.27	703.30	--	--
		9/29/2011	719.57	26.20	15.54	704.03	--	--
		3/27/2012	719.57	26.20	15.48	704.09	--	--
		9/20/2012	719.57	26.12	16.07	703.50	--	--
		3/28/2013	719.57	26.18	15.48	704.09	--	--
		9/12/2013	719.57	26.04	15.95	703.62	--	--
		3/18/2014	719.57	26.00	15.94	703.63	--	--

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Table 1. Monitoring Well Gauging Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014, Allison Transmission, Inc., Speedway, Indiana

Area	Well	Date	Top of Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
	MW-0805-S2B	4/7/2009	719.68	32.57	12.68	707.00	--	--
		9/25/2009	719.68	33.07	13.91	705.77	--	--
		11/2/2009	719.68	33.07	13.51	706.17	--	--
		4/30/2010	719.68	33.14	13.61	706.07	--	--
		10/14/2010	719.68	32.67	14.38	705.30	--	--
		9/29/2011	719.68	33.15	13.48	706.20	--	--
		3/27/2012	719.68	33.15	13.55	706.13	--	--
		9/20/2012	719.68	33.08	13.99	705.69	--	--
		3/28/2013	719.68	33.15	13.24	706.44	--	--
		9/12/2013	719.68	32.99	13.63	706.05	--	--
		3/18/2014	719.68	32.95	13.51	706.17	--	--
	MW-0808-S2A	4/7/2009	719.60	20.11	14.98	704.62	--	--
		9/25/2009	719.60	30.24	16.40	703.20	--	--
		11/2/2009	719.60	30.18	16.09	703.51	--	--
		4/30/2010	719.60	30.30	16.25	703.35	--	--
		10/14/2010	719.60	29.92	16.67	702.93	--	--
		9/29/2011	719.60	30.30	16.04	703.56	--	--
		3/27/2012	719.60	30.25	15.92	703.68	--	--
		9/20/2012	719.60	30.18	16.56	703.04	--	--
		3/28/2013	719.60	30.24	16.06	703.54	--	--
		9/12/2013	719.60	30.10	16.51	703.09	--	--
		3/18/2014	719.60	30.02	16.43	703.17	--	--
	PZ-42-0701-S2A	4/7/2009	719.42	31.69	12.48	706.94	--	--
		9/25/2009	719.42	32.35	13.63	705.79	--	--
		11/2/2009	719.42	14.60	13.34	706.08	--	--
		4/30/2010	719.42	31.31	13.38	706.04	--	--
		10/14/2010	719.42	16.55	14.18	705.24	--	--
		9/29/2011	719.42	20.68	13.30	706.12	--	--
		3/27/2012	719.42	31.30	13.13	706.29	--	--
		9/20/2012	719.42	23.72	15.85	703.57	--	--
		3/28/2013	719.42	31.35	12.92	706.50	--	--
		9/12/2013	719.42	NM	13.40	706.02	--	--
		3/18/2014	719.42	26.47	13.29	706.13	--	--
	PZ-42-0702-S2A	4/7/2009	719.71	23.57	14.26	705.45	--	--
		9/25/2009	719.71	23.82	15.68	704.03	--	--
		11/2/2009	719.71	23.65	15.43	704.28	--	--
		4/30/2010	719.71	23.79	15.61	704.10	--	--
		10/14/2010	719.71	23.42	16.12	703.59	--	--
		9/29/2011	719.71	23.83	15.37	704.34	--	--
		3/27/2012	719.71	23.79	15.23	704.48	--	--
		9/20/2012	719.71	23.60	13.73	705.98	--	--
		3/28/2013	719.71	23.79	15.14	704.57	--	--
		9/12/2013	719.71	23.58	15.60	704.11	--	--
		3/18/2014	719.71	23.57	15.69	704.02	--	--
AOI 43	L_EAGLE CR_10THSTBR	4/7/2009	729.44	NM	25.60	703.84	--	--
		11/2/2009	729.44	NM	26.32	703.12	--	--
		10/14/2010	729.44	NM	26.55	702.89	--	--
		9/29/2011	729.44	NM	26.31	703.13	--	--
		3/27/2012	729.44	NM	26.15	703.29	--	--
		9/20/2012	729.44	NM	26.54	702.90	--	--
		3/28/2013	729.44	NM	26.00	703.44	--	--
		9/12/2013	729.44	NM	26.35	703.09	--	--
		3/18/2014	729.44	NM	26.30	703.14	--	--
	L_EAGLE CR_SOUTH	4/7/2009	718.41	NM	16.80	701.61	--	--
		9/25/2009	718.41	NM	31.20	687.21	--	--
		11/2/2009	718.41	NM	16.30	702.11	--	--
		10/14/2010	718.41	NM	17.65	700.76	--	--
		9/29/2011	718.41	NM	17.50	700.91	--	--
		3/27/2012	718.41	NM	17.40	701.01	--	--
		9/20/2012	718.41	NM	17.78	700.63	--	--
		3/28/2013	718.41	NM	17.30	701.11	--	--
		9/12/2013	718.41	NM	17.78	700.63	--	--
		3/18/2014	718.41	NM	17.40	701.01	--	--
	MW-0612-S2B	4/7/2009	719.31	30.35	12.36	706.95	--	--
		9/25/2009	719.31	30.41	12.88	706.43	--	--
		11/2/2009	719.31	30.40	13.17	706.14	--	--
		4/30/2010	719.31	30.50	13.14	706.17	--	--
		10/14/2010	719.31	30.40	13.52	705.79	--	--
		9/29/2011	719.31	30.74	13.49	705.82	--	--
		9/20/2012	719.31	30.45	13.52	705.79	--	--
		3/28/2013	719.31	30.55	13.11	706.20	--	--
		9/12/2013	719.31	30.30	13.53	705.78	--	--
		3/18/2014	719.31	30.35	12.98	706.33	--	--
	MW-0613-S2A	4/7/2009	719.76	17.85	13.09	706.67	--	--
		9/25/2009	719.76	17.92	13.53	706.23	--	--
		11/2/2009	719.76	17.93	13.45	706.31	--	--
		4/30/2010	719.76	18.00	13.23	706.53	--	--
		10/14/2010	719.76	17.62	13.44	706.32	--	--
		9/29/2011	719.76	18.02	13.47	706.29	--	--
		3/27/2012	719.76	18.00	13.10	706.66	--	--
		9/20/2012	719.76	17.95	13.26	706.50	--	--
		3/28/2013	719.76	18.00	12.28	707.48	--	--

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Table 1. Monitoring Well Gauging Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014, Allison Transmission, Inc., Speedway, Indiana

Area	Well	Date	Top of Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		9/12/2013	719.76	17.81	13.19	706.57	--	--
		3/18/2014	719.76	17.80	12.09	707.67	--	--
	MW-0614-S2B	4/7/2009	719.66	31.60	12.74	706.92	--	--
		9/25/2009	719.66	31.76	13.85	705.81	--	--
		11/2/2009	719.66	31.72	13.51	706.15	--	--
		4/30/2010	719.66	32.02	13.52	706.14	--	--
		10/14/2010	719.66	31.40	14.40	705.26	--	--
		9/29/2011	719.66	31.85	13.52	706.14	--	--
		3/27/2012	719.66	31.90	13.59	706.07	--	--
		9/20/2012	719.66	31.70	14.03	705.63	--	--
		3/28/2013	719.66	31.85	13.21	706.45	--	--
		9/12/2013	719.66	31.55	13.78	705.88	--	--
		3/18/2014	719.66	31.62	13.46	706.20	--	--
	MW-0637-S2B	4/7/2009	719.65	37.72	15.86	703.79	--	--
		9/25/2009	719.65	37.82	17.31	702.34	--	--
		11/2/2009	719.65	37.85	16.98	702.67	--	--
		4/30/2010	719.65	37.19	17.15	702.50	--	--
		10/14/2010	719.65	37.62	17.48	702.17	--	--
		9/29/2011	719.65	37.93	16.96	702.69	--	--
		3/27/2012	719.65	37.90	16.88	702.77	--	--
		9/20/2012	719.65	37.81	17.39	702.26	--	--
		3/28/2013	719.65	37.89	17.00	702.65	--	--
		9/12/2013	719.65	37.75	17.98	701.67	--	--
		3/18/2014	719.65	37.71	17.15	702.50	--	--
	MW-0637-S3	4/7/2009	719.78	51.18	13.10	706.68	--	--
		9/25/2009	719.78	50.31	13.48	706.30	--	--
		11/2/2009	719.78	50.81	13.09	706.69	--	--
		10/14/2010	719.78	50.40	14.76	705.02	--	--
		9/29/2011	719.78	50.40	13.95	705.83	--	--
		3/27/2012	719.78	50.35	15.19	704.59	--	--
		9/20/2012	719.78	50.30	14.56	705.22	--	--
		3/28/2013	719.78	50.35	13.54	706.24	--	--
		9/12/2013	719.78	50.21	16.18	703.60	--	--
		3/18/2014	719.78	50.15	13.26	706.52	--	--
	MW-0806-S2A	4/7/2009	719.65	24.50	14.98	704.67	--	--
		9/25/2009	719.65	24.57	15.32	704.33	--	--
		11/2/2009	719.65	24.62	15.65	704.00	--	--
		4/30/2010	719.65	24.70	15.00	704.65	--	--
		10/14/2010	719.65	24.20	15.10	704.55	--	--
		9/29/2011	719.65	24.70	15.94	703.71	--	--
		3/27/2012	719.65	24.68	15.48	704.17	--	--
		9/20/2012	719.65	24.63	15.45	704.20	--	--
		3/28/2013	719.65	24.68	14.16	705.49	--	--
		9/12/2013	719.65	24.55	14.35	705.30	--	--
		3/18/2014	719.65	24.49	13.13	706.52	--	--
	MW-0807-S2A	4/7/2009	719.41	26.11	15.41	704.00	--	--
		9/25/2009	719.41	26.18	16.86	702.55	--	--
		11/2/2009	719.41	26.20	16.51	702.90	--	--
		4/30/2010	719.41	26.30	16.68	702.73	--	--
		10/14/2010	719.41	24.50	17.07	702.34	--	--
		9/29/2011	719.41	26.30	16.44	702.97	--	--
		3/27/2012	719.41	26.28	16.31	703.10	--	--
		9/20/2012	719.41	26.25	16.81	702.60	--	--
		3/28/2013	719.41	26.30	16.52	702.89	--	--
		9/12/2013	719.41	26.11	17.15	702.26	--	--
		3/18/2014	719.41	26.09	16.75	702.66	--	--
	MW-0812-S2A	4/7/2009	719.63	29.68	15.68	703.95	--	--
		9/25/2009	719.63	29.76	17.09	702.54	--	--
		11/2/2009	719.63	29.77	16.83	702.80	--	--
		4/30/2010	719.63	29.85	17.00	702.63	--	--
		10/14/2010	719.63	29.75	17.33	702.30	--	--
		9/29/2011	719.63	29.88	16.75	702.88	--	--
		3/27/2012	719.63	29.85	16.70	702.93	--	--
		9/20/2012	719.63	29.79	17.24	702.39	--	--
		3/28/2013	719.63	29.87	16.86	702.77	--	--
		9/12/2013	719.63	29.70	17.42	702.21	--	--
		3/18/2014	719.63	29.65	17.09	702.54	--	--
	MW-0813-S2A	4/7/2009	719.77	25.95	16.31	703.46	--	--
		9/25/2009	719.77	25.12	17.87	701.90	--	--
		11/2/2009	719.77	25.17	17.55	702.22	--	--
		4/30/2010	719.77	26.30	17.72	702.05	--	--
		10/14/2010	719.77	25.12	17.98	701.79	--	--
		9/29/2011	719.77	25.54	17.48	702.29	--	--
		3/27/2012	719.77	25.74	17.38	702.39	--	--
		9/20/2012	719.77	26.15	17.85	701.92	--	--
		3/28/2013	719.77	26.21	17.51	702.26	--	--
		9/12/2013	719.77	26.02	18.20	701.57	--	--
		3/18/2014	719.77	26.05	17.67	702.10	--	--
	MW-0901-S2B	9/25/2009	719.72	44.91	13.37	706.35	--	--
		11/2/2009	719.72	44.94	13.00	706.72	--	--
		4/30/2010	719.72	45.00	13.11	706.61	--	--
		10/14/2010	719.72	44.90	14.54	705.18	--	--

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Table 1. Monitoring Well Gauging Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014, Allison Transmission, Inc., Speedway, Indiana

Area	Well	Date	Top of Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		9/29/2011	719.72	45.00	13.81	705.91	--	--
		3/27/2012	719.72	44.97	14.13	705.59	--	--
		9/20/2012	719.72	44.90	14.55	705.17	--	--
		3/28/2013	719.72	44.98	13.53	706.19	--	--
		9/12/2013	719.72	44.82	16.21	703.51	--	--
		3/18/2014	719.72	44.79	13.08	706.64	--	--
	MW-0901-S3	9/25/2009	719.68	54.54	11.87	707.81	--	--
		11/2/2009	719.68	54.58	11.57	708.11	--	--
		10/14/2010	719.68	54.52	13.63	706.05	--	--
		9/29/2011	719.68	54.60	13.10	706.58	--	--
		3/27/2012	719.68	54.60	13.69	705.99	--	--
		9/20/2012	719.68	54.52	14.09	705.59	--	--
		3/28/2013	719.68	54.61	13.05	706.63	--	--
		9/12/2013	719.68	54.45	14.55	705.13	--	--
		3/18/2014	719.68	54.41	11.97	707.71	--	--
	MW-0902-S3	9/25/2009	719.68	50.04	13.34	706.34	--	--
		11/2/2009	719.68	50.07	12.98	706.70	--	--
		10/14/2010	719.68	50.05	14.58	705.10	--	--
		9/29/2011	719.68	50.10	13.80	705.88	--	--
		3/27/2012	719.68	50.12	14.00	705.68	--	--
		9/20/2012	719.68	50.00	14.45	705.23	--	--
		3/28/2013	719.68	50.11	13.41	706.27	--	--
		9/12/2013	719.68	49.96	16.03	703.65	--	--
		3/18/2014	719.68	49.93	13.14	706.54	--	--
AOI 46	MW-0638-S2B	4/7/2009	719.85	33.92	16.21	703.64	--	--
		9/25/2009	719.85	34.03	16.82	703.03	--	--
		11/2/2009	719.85	34.00	16.86	702.99	--	--
		4/30/2010	719.85	34.10	15.93	703.92	--	--
		10/14/2010	719.85	34.00	17.12	702.73	--	--
		9/29/2011	719.85	34.10	18.03	701.82	--	--
		3/27/2012	719.85	34.14	18.03	701.82	--	--
		9/20/2012	719.85	24.00	19.24	700.61	--	--
		3/28/2013	719.85	34.14	16.83	703.02	--	--
		9/12/2013	719.85	33.90	24.12	695.73	--	--
		3/18/2014	719.85	33.88	14.65	705.20	--	--
AOI 50	MW-10-S2	6/18/1992			16.13			
		12/17/2001	719.44	NM	16.79	702.65	--	--
		3/20/2002	719.44	NM	14.13	705.31	--	--
		5/23/2003	719.44	NM	17.82	701.62	--	--
		11/19/2003	719.44	NM	17.16	702.28	--	--
		5/19/2004	719.44	22.10	17.53	701.91	--	--
		11/19/2004	719.44	22.10	17.14	702.30	--	--
		6/30/2005	719.44	22.10	16.98	702.46	--	--
		12/6/2005	719.44	22.16	18.13	701.31	--	--
		3/3/2006	719.44	21.98	18.19	701.25	--	--
		4/10/2006	719.44	22.10	17.66	701.78	--	--
		2/2/2007	719.44	21.97	17.76	701.68	--	--
		4/7/2009	719.44	22.00	16.76	702.68	--	--
		9/25/2009	719.44	22.06	18.22	701.22	--	--
		11/2/2009	719.44	22.05	18.01	701.43	--	--
		10/14/2010	719.44	22.00	18.46	700.98	--	--
		9/29/2011	719.44	22.70	18.10	701.34	--	--
		3/27/2012	719.44	22.14	17.90	701.54	--	--
		9/20/2012	719.44	22.10	18.48	700.96	--	--
		3/28/2013	719.44	22.20	17.92	701.52	--	--
		9/12/2013	719.44	22.00	18.62	700.82	--	--
		3/18/2014	719.44	21.98	18.16	701.28	--	--
AOI 51	MW-0102-S2	5/17/2001	717.45	NM	20.64	696.81	--	--
		12/17/2001	717.45	NM	19.12	698.33	--	--
		3/20/2002	717.45	NM	18.81	698.64	--	--
		5/22/2003	717.45	34.80	17.83	699.62	--	--
		11/20/2003	717.45	34.80	19.27	698.18	--	--
		5/17/2004	717.45	NM	19.35	698.10	--	--
		11/19/2004	717.45	34.80	18.96	698.49	--	--
		3/21/2005	717.45	34.81	19.94	697.51	--	--
		6/28/2005	717.45	34.63	19.73	697.72	--	--
		1/11/2006	717.45	34.74	19.64	697.81	--	--
		4/10/2006	717.45	34.48	18.19	699.26	--	--
		2/2/2007	717.45	43.61	16.34	701.11	--	--
		2/10/2009	717.45	34.50	20.28	697.17	--	--
		3/27/2009	717.45	NM	19.36	698.09	--	--
		4/7/2009	717.45	34.28	19.42	698.03	--	--
		9/25/2009	717.45	34.20	20.50	696.95	--	--
		11/2/2009	717.45	34.24	20.32	697.13	--	--
		4/30/2010	717.45	34.62	19.44	698.01	--	--
		10/14/2010	717.45	NM	20.78	696.67	--	--
		5/9/2011	717.54	33.57	16.72	700.82	--	--
		9/29/2011	717.54	34.79	20.49	697.05	--	--
		3/27/2012	717.54	30.20	20.04	697.50	--	--
		9/20/2012	717.54	34.70	20.12	697.42	--	--
		3/28/2013	717.54	34.70	19.89	697.65	--	--
		9/12/2013	717.54	34.40	20.96	696.49	--	--
		3/18/2014	717.54	34.22	18.90	698.64	--	--
	MW-0108-S2B	12/17/2001	719.10	NM	20.18	698.92	--	--

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Table 1. Monitoring Well Gauging Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014, Allison Transmission, Inc., Speedway, Indiana

Area	Well	Date	Top of Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		3/18/2002	719.10	NM	20.80	698.30	--	--
		8/14/2002	719.10	NM	20.66	698.44	--	--
		5/22/2003	719.10	36.71	19.31	699.79	--	--
		11/20/2003	719.10	36.71	20.48	698.62	--	--
		5/18/2004	719.10	NM	20.60	698.50	--	--
		11/19/2004	719.10	36.71	20.21	698.89	--	--
		3/18/2005	719.10	36.71	19.05	700.05	--	--
		6/29/2005	719.10	36.20	20.78	698.32	--	--
		12/6/2005	719.10	36.71	19.55	699.55	--	--
		1/23/2006	719.10	36.34	20.41	698.69	--	--
		4/10/2006	719.10	36.38	20.11	698.99	--	--
		2/2/2007	719.10	36.20	17.75	701.35	--	--
		2/10/2009	719.10	36.15	22.15	696.95	--	--
		3/27/2009	719.10	36.35	21.12	697.98	--	--
		4/7/2009	719.10	36.20	21.98	697.12	--	--
		9/25/2009	719.10	36.29	21.75	697.35	--	--
		11/2/2009	719.10	36.24	26.94	692.16	--	--
		4/30/2010	719.10	36.90	20.97	698.13	--	--
		10/14/2010	719.10	36.32	21.96	697.14	--	--
		5/9/2011	719.10	35.83	19.66	699.44	--	--
		9/29/2011	719.10	NM	22.27	696.83	--	--
		3/27/2012	719.10	36.50	21.96	697.14	--	--
		9/20/2012	719.10	36.30	22.40	696.70	--	--
		3/28/2013	719.10	36.35	21.61	697.49	--	--
		9/12/2013	719.10	36.41	22.51	696.59	--	--
		3/18/2014	719.10	36.32	20.59	698.51	--	--
	MW-0109-S2B	12/17/2001	719.39	NM	20.06	699.33	--	--
		3/14/2002	719.39	NM	20.61	698.78	--	--
		8/14/2002	719.39	NM	21.10	698.29	--	--
		5/22/2003	719.39	36.31	19.55	699.84	--	--
		11/20/2003	719.39	36.31	20.88	698.51	--	--
		5/17/2004	719.39	NM	21.00	698.39	--	--
		11/19/2004	719.39	36.31	20.61	698.78	--	--
		3/21/2005	719.39	36.31	20.44	698.95	--	--
		4/10/2006	719.39	36.34	19.83	699.56	--	--
		2/2/2007	719.39	36.25	18.43	700.96	--	--
		2/10/2009	719.39	36.44	22.33	697.06	--	--
		3/27/2009	719.39	36.50	21.68	697.71	--	--
		4/7/2009	719.39	36.43	21.41	697.98	--	--
		9/25/2009	719.39	36.50	22.20	697.19	--	--
		11/2/2009	719.39	36.45	22.23	697.16	--	--
		4/30/2010	719.39	37.08	21.27	698.12	--	--
		10/14/2010	719.39	36.40	22.41	696.98	--	--
		5/9/2011	719.39	35.85	19.05	700.34	--	--
		9/29/2011	719.39	36.50	22.44	696.95	--	--
		3/27/2012	719.39	36.10	22.21	697.18	--	--
		9/20/2012	719.39	36.65	22.11	697.28	--	--
		3/28/2013	719.39	36.60	21.92	697.47	--	--
		9/12/2013	719.39	36.50	22.97	696.42	--	--
		3/18/2014	719.39	36.30	20.98	698.41	--	--
	MW-0111-S2	3/15/2002	719.63	NM	20.72	698.91	--	--
		5/23/2002	719.63	NM	17.51	702.12	--	--
		8/13/2002	719.63	NM	21.27	698.36	--	--
		11/19/2002	719.63	NM	21.82	697.81	--	--
		5/22/2003	719.63	NM	19.82	699.81	--	Globules
		11/19/2003	719.63	NM	21.03	698.60	--	Globules
		5/18/2004	719.63	31.65	21.13	698.50	--	Globules
		6/24/2004	719.63	NM	20.32	699.31	--	Globules
		8/31/2004	719.63	NM	23.13	696.50	--	Globules
		9/30/2004	719.63	NM	20.55	699.08	--	Globules
		10/28/2004	719.63	NM	20.32	699.31	--	Globules
		11/19/2004	719.63	31.65	20.74	698.89	--	Globules
		12/7/2004	719.63	NM	21.01	698.62	--	Globules
		1/31/2005	719.63	31.65	20.30	699.33	--	--
		2/24/2005	719.63	31.65	19.92	699.71	--	--
		3/29/2005	719.63	31.65	20.56	699.07	--	Globules
		4/28/2005	719.63	31.65	19.63	700.00	--	Globules
		5/31/2005	719.63	31.65	20.22	699.41	--	--
		6/29/2005	719.63	31.65	20.49	699.14	--	--
		7/29/2005	719.63	31.75	21.58	698.05	21.55	0.03
		8/31/2005	719.63	31.75	21.83	697.80	--	--
		9/30/2005	719.63	31.75	20.72	698.91	--	--
		10/31/2005	719.63	31.75	20.83	698.80	--	--
		11/29/2005	719.63	31.75	20.10	699.53	--	--
		12/6/2005	719.63	31.75	21.62	698.01	--	--
		12/22/2005	719.63	31.65	21.44	698.19	21.41	0.03
		1/31/2006	719.63	31.65	20.90	698.73	--	--
		2/28/2006	719.63	31.65	20.98	698.65	--	--
		3/30/2006	719.63	31.65	20.13	699.50	--	--
		4/10/2006	719.63	31.65	20.21	699.42	--	--
		4/28/2006	719.63	31.65	20.03	699.60	--	--
		5/30/2006	719.63	31.65	20.34	699.29	--	--
		6/26/2006	719.63	31.65	20.36	699.27	--	--
		9/26/2006	719.63	31.80	21.51	698.12	21.46	0.05
		10/18/2006	719.63	31.80	21.70	697.93	--	--
		11/23/2006	719.63	31.80	20.97	698.66	--	Sheen
		12/18/2006	719.63	31.80	20.56	699.07	--	Sheen
		1/16/2007	719.63	31.80	18.59	701.04	--	Sheen

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Area	Well	Date	Top of Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		2/2/2007	719.63	31.54	18.47	701.16	--	--
		2/22/2007	719.63	31.54	18.14	701.49	--	--
		3/20/2007	719.63	31.54	18.56	701.07	--	--
		4/24/2007	719.63	31.54	19.08	700.55	--	--
		5/17/2007	719.63	31.54	20.16	699.47	--	--
		6/26/2007	719.63	31.54	22.31	697.32	--	--
		10/8/2007	719.63	32.78	23.60	696.03	23.57	0.03
		12/13/2007	719.63	31.87	22.13	697.50	22.08	0.05
		5/20/2008	719.63	31.79	20.32	699.31	--	--
		12/10/2008	719.63	NM	23.36	696.27	23.31	0.05
		4/7/2009	719.64	31.80	21.04	698.64	20.99	0.05
		9/25/2009	719.64	31.81	22.41	697.23	22.29	0.12
		11/2/2009	719.64	31.85	22.07	697.59	22.04	0.03
		12/18/2009	719.64	NM	22.31	697.33	22.31	--
		2/22/2010	719.64	31.80	21.91	697.73	21.91	GLOBULES
		3/23/2010	719.64	NM	21.67	697.97	--	GLOBULES
		4/30/2010	719.64	31.80	21.48	698.16	--	--
		5/24/2010	719.64	31.95	21.30	698.34	--	--
		10/14/2010	719.64	NM	22.65	696.99	--	--
		11/18/2010	719.64	NM	23.05	696.59	--	--
		12/6/2010	719.64	NM	22.49	697.16	22.48	0.01
		2/16/2011	719.64	31.90	22.71	696.93	--	--
		3/11/2011	719.64	31.92	18.97	700.67	--	--
		4/7/2011	719.64	31.88	20.91	698.73	--	--
		5/9/2011	719.64	NM	19.26	700.38	--	--
		6/3/2011	719.64	31.87	20.55	699.09	--	--
		7/13/2011	719.64	31.89	21.71	697.93	--	--
		8/3/2011	719.64	31.90	22.50	697.14	--	--
		9/29/2011	719.64	31.76	22.33	697.31	22.33	--
		11/7/2011	719.64	NM	21.78	697.86	--	--
		12/8/2011	719.64	31.80	21.76	697.88	--	--
		3/27/2012	719.64	31.80	21.87	697.77	--	--
		9/20/2012	719.64	32.80	22.85	696.80	22.84	0.01
		11/14/2012	719.64	32.80	21.34	698.30	--	--
		2/18/2013	719.64	31.79	21.10	698.54	--	--
		3/28/2013	719.64	32.80	21.45	698.19	21.45	--
		9/12/2013	719.64	31.77	22.86	696.78	--	--
		11/25/2013	719.64	31.76	21.76	697.88	--	--
		3/18/2014	719.64	NM	20.74	698.90	--	--
	MW-0201-S2A	3/18/2002	719.04	NM	17.06	701.98	--	--
		8/14/2002	719.04	NM	17.43	701.61	--	--
		5/23/2003	719.04	NM	15.62	703.42	--	--
		11/20/2003	719.04	NM	17.00	702.04	--	--
		5/19/2004	719.04	28.11	17.06	701.98	--	--
		11/19/2004	719.04	28.11	16.67	702.37	--	--
		3/18/2005	719.04	28.11	16.49	702.55	--	--
		6/28/2005	719.04	28.00	17.75	701.29	--	--
		12/6/2005	719.04	28.11	16.98	702.06	--	--
		4/10/2006	719.04	28.14	15.68	703.36	--	--
		2/2/2007	719.04	28.00	14.35	704.69	--	--
		2/10/2009	719.04	27.94	17.46	701.58	--	--
		3/27/2009	719.04	28.02	17.09	701.95	--	--
		9/25/2009	719.04	20.05	17.95	701.09	--	--
		11/2/2009	719.04	27.96	17.66	701.38	--	--
		4/30/2010	719.04	28.22	16.44	702.60	--	--
		10/14/2010	719.04	28.16	18.32	700.72	--	--
		12/6/2010	719.04	NM	NM	NM	--	--
		5/9/2011	719.04	27.30	14.01	705.03	--	--
		9/29/2011	719.04	28.12	17.85	701.19	--	--
		3/27/2012	719.04	28.20	17.84	701.20	--	--
		9/20/2012	719.04	28.18	15.56	703.48	--	--
		3/28/2013	719.04	28.20	16.60	702.44	--	--
		9/12/2013	719.04	27.91	18.34	700.70	--	--
		3/18/2014	719.04	28.16	15.18	703.86	--	--
	MW-0201-S3	3/14/2002	718.61	NM	22.10	696.51	--	--
		8/14/2002	718.61	NM	22.74	695.87	--	--
		5/23/2003	718.61	NM	21.32	697.29	--	--
		11/20/2003	718.61	NM	22.04	696.57	--	--
		5/17/2004	718.61	NM	22.65	695.96	--	--
		11/19/2004	718.61	53.70	22.26	696.35	--	--
		3/18/2005	718.61	53.70	22.43	696.18	--	--
		6/28/2005	718.61	53.40	24.04	694.57	--	--
		12/6/2005	718.61	53.70	22.94	695.67	--	--
		4/10/2006	718.61	53.69	21.57	697.04	--	--
		2/2/2007	718.61	54.09	20.55	698.06	--	--
		2/10/2009	718.61	53.19	23.44	695.17	--	--
		3/27/2009	718.61	53.38	24.17	694.43	--	--
		9/25/2009	718.61	53.27	24.40	694.21	--	--
		11/2/2009	718.61	53.41	24.40	694.21	--	--
		8/3/2010	718.61	53.35	23.15	695.46	--	--
		10/14/2010	718.61	53.50	23.76	694.85	--	--
		5/9/2011	718.61	53.20	22.22	696.39	--	--
		9/29/2011	718.61	53.39	24.69	693.92	--	--
		3/27/2012	718.61	53.30	23.64	694.97	--	--
		9/20/2012	718.61	53.36	24.66	693.95	--	--
		3/28/2013	718.61	53.25	23.47	695.14	--	--
		9/12/2013	718.61	53.10	24.51	694.10	--	--
		3/18/2014	718.61	53.21	22.89	695.72	--	--

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Table 1. Monitoring Well Gauging Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014, Allison Transmission, Inc., Speedway, Indiana

Area	Well	Date	Top of Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
	MW-0202-S2A	8/14/2002	718.79	NM	17.65	701.14	--	–
		5/22/2003	718.79	23.50	15.08	703.71	--	–
		11/20/2003	718.79	23.50	17.27	701.52	--	–
		5/17/2004	718.79	NM	17.21	701.58	--	–
		11/19/2004	718.79	23.48	16.82	701.97	--	–
		3/21/2005	718.79	23.48	16.86	701.93	--	–
		6/28/2005	718.79	23.30	17.87	700.92	--	–
		12/6/2005	718.79	23.48	17.33	701.46	--	–
		1/11/2006	718.79	24.41	17.12	701.67	--	–
		4/10/2006	718.79	23.52	15.79	703.00	--	–
		2/2/2007	718.79	23.38	14.25	704.54	--	–
		5/19/2008	718.79	23.55	19.02	699.77	--	–
		10/28/2008	718.79	23.35	18.48	700.31	--	–
		11/17/2008	718.79	23.55	18.60	700.19	--	–
		12/10/2008	718.79	NM	18.75	700.04	--	–
		2/10/2009	718.79	23.69	17.82	700.97	--	–
		3/27/2009	718.79	23.39	17.41	701.38	--	–
		4/7/2009	718.79	23.30	16.92	701.87	--	–
		9/25/2009	718.79	23.42	18.33	700.46	--	–
		11/2/2009	718.79	23.32	18.09	700.70	--	–
		2/22/2010	718.79	23.57	17.90	700.89	--	–
		4/30/2010	718.79	23.60	16.62	702.17	--	–
		8/23/2010	718.79	23.68	17.18	701.61	--	–
		10/14/2010	718.79	NM	18.73	700.06	--	–
		12/6/2010	718.79	23.50	18.33	700.46	--	–
		2/16/2011	718.79	23.65	18.36	700.43	--	–
		4/7/2011	718.79	23.63	16.05	702.74	--	–
		5/9/2011	718.79	21.82	13.92	704.87	--	–
		7/13/2011	718.79	23.60	17.05	701.74	--	–
		9/29/2011	718.79	23.54	18.15	700.64	--	–
		11/7/2011	718.79	23.35	18.28	700.51	--	–
		3/27/2012	718.79	22.36	18.09	700.70	--	–
		9/20/2012	718.79	23.50	16.01	702.78	--	–
		11/14/2012	718.79	23.75	17.74	701.05	--	–
		3/28/2013	718.79	23.50	16.89	701.90	--	–
		9/12/2013	718.79	23.50	18.62	700.17	--	–
		3/18/2014	718.79	18.97	15.31	703.48	--	–
	MW-0202-S2B	3/15/2002	718.70	NM	22.00	696.70	--	–
		8/14/2002	718.70	NM	22.82	695.88	--	–
		5/22/2003	718.70	54.75	21.39	697.31	--	–
		11/20/2003	718.70	54.75	22.25	696.45	--	–
		5/17/2004	718.70	NM	22.76	695.94	--	–
		11/19/2004	718.70	52.82	22.37	696.33	--	–
		3/18/2005	718.70	52.82	22.33	696.37	--	–
		12/6/2005	718.70	52.82	22.82	695.88	--	–
		1/11/2006	718.70	52.89	22.98	695.72	--	–
		4/10/2006	718.70	52.91	21.66	697.04	--	–
		2/2/2007	718.70	52.76	20.55	698.15	--	–
		5/19/2008	718.70	53.10	20.21	698.49	--	--
		10/28/2008	718.70	52.94	23.86	694.84	--	--
		11/17/2008	718.70	52.95	23.94	694.76	--	--
		2/10/2009	719.03	34.65	22.13	696.90	--	--
		3/27/2009	719.03	34.69	21.10	697.93	--	--
		4/7/2009	719.03	34.50	21.28	697.75	--	--
		9/25/2009	719.03	34.75	22.35	696.68	--	--
		11/2/2009	719.03	34.55	21.40	697.63	--	--
		2/22/2010	719.03	53.00	24.30	694.73	–	--
		4/30/2010	719.03	35.26	20.96	698.07	–	--
		8/23/2010	719.03	34.99	21.04	697.99	–	--
		10/14/2010	719.03	NM	21.94	697.09	–	--
		12/6/2010	719.03	34.05	22.53	696.50	–	--
		2/16/2011	719.03	34.99	22.36	696.67	–	--
		4/7/2011	719.03	35.00	20.76	698.27	–	--
		5/9/2011	719.03	33.94	17.91	701.12	–	--
		7/13/2011	719.03	35.04	21.54	697.49	--	–
		9/29/2011	719.03	34.85	21.72	697.31	--	–
		11/7/2011	719.03	34.70	22.36	696.67	--	–
		3/27/2012	719.03	34.44	21.94	697.09	--	–
		9/20/2012	719.03	34.85	21.89	697.14	--	–
		11/14/2012	719.03	35.40	22.26	696.77	--	–
		3/28/2013	719.03	34.90	21.48	697.55	--	–
		9/12/2013	719.03	34.85	22.50	696.53	--	–
		3/18/2014	719.03	34.85	20.28	698.75	--	–
	MW-0202-S3	1/31/2005	719.03	34.61	17.63	701.40	--	–
		3/21/2005	719.03	34.61	20.00	699.03	--	–
		11/19/2005	719.03	34.61	20.25	698.78	--	–
		12/6/2005	719.03	34.61	20.57	698.46	--	–
		1/11/2006	719.03	34.55	20.72	698.31	--	--
		4/10/2006	719.03	34.66	19.37	699.66	--	--
		2/2/2007	719.03	35.56	17.59	701.44	--	--
		5/19/2008	719.03	34.80	21.08	697.95	--	--
		10/28/2008	719.03	34.58	22.45	696.58	--	--
		11/17/2008	719.03	34.73	21.69	697.34	--	--
		2/10/2009	718.70	52.92	24.25	694.45	--	--
		3/27/2009	718.70	52.98	24.31	694.39	--	--
		4/7/2009	718.70	52.90	23.70	695.00	--	--
		9/25/2009	718.70	53.22	25.40	693.30	–	--

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Area	Well	Date	Top of Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		11/2/2009	718.70	52.80	24.28	694.42	--	--
		8/3/2010	718.70	34.78	20.03	698.67	--	--
		10/14/2010	718.70	NM	23.94	694.76	--	--
		5/9/2011	718.70	51.60	21.51	697.19	--	--
		9/29/2011	718.70	52.74	24.76	693.94	--	--
		3/27/2012	718.70	52.34	23.63	695.07	--	--
		9/20/2012	718.70	52.70	24.81	693.89	--	--
		3/28/2013	718.70	52.70	23.65	695.05	--	--
		9/12/2013	718.70	52.72	24.60	694.10	--	--
		3/18/2014	718.70	50.50	22.65	696.05	--	--
	MW-0209-S2B	8/15/2002	719.30	NM	17.80	701.50	--	--
		5/22/2003	719.30	36.87	16.88	702.42	--	--
		11/20/2003	719.30	36.87	17.31	701.99	--	--
		5/18/2004	719.30	NM	21.02	698.28	--	--
		11/19/2004	719.30	36.84	20.63	698.67	--	--
		3/18/2005	719.30	36.84	16.91	702.39	--	--
		6/29/2005	719.30	36.65	18.32	700.98	--	--
		4/10/2006	719.30	36.68	16.86	702.44	--	--
		2/2/2007	719.30	36.80	16.68	702.62	--	--
		2/10/2009	719.30	36.81	17.66	701.64	--	--
		3/27/2009	719.30	36.80	18.18	701.12	--	--
		4/7/2009	719.30	36.70	17.03	702.27	--	--
		9/25/2009	719.30	36.80	18.80	700.50	--	--
		11/2/2009	719.30	36.70	18.37	700.93	--	--
		4/30/2010	719.30	37.30	18.07	701.23	--	--
		10/14/2010	719.30	36.90	17.95	701.35	--	--
		5/9/2011	719.30	36.00	17.59	701.71	--	--
		9/29/2011	719.30	36.90	18.55	700.75	--	--
		3/27/2012	719.30	36.70	18.03	701.27	--	--
		9/20/2012	719.30	36.90	18.20	701.10	--	--
		3/28/2013	719.30	37.00	17.43	701.87	--	--
		9/12/2013	719.30	36.90	19.04	700.26	--	--
		3/18/2014	719.30	36.73	17.64	701.66	--	--
	MW-0210-S3	8/15/2002	718.47	NM	22.47	696.00	--	--
		5/22/2003	718.47	51.55	21.00	697.47	--	--
		11/20/2003	718.47	51.55	21.82	696.65	--	--
		5/17/2004	718.47	NM	22.34	696.13	--	--
		11/19/2004	718.47	51.55	21.95	696.52	--	--
		3/18/2005	718.47	51.55	21.36	697.11	--	--
		6/28/2005	718.47	51.41	23.25	695.22	--	--
		12/6/2005	718.47	51.55	21.86	696.61	--	--
		1/13/2006	718.47	51.55	22.60	695.87	--	--
		4/10/2006	718.47	51.30	21.44	697.03	--	--
		2/2/2007	718.47	52.21	20.10	698.37	--	--
		2/10/2009	718.47	51.58	24.72	693.75	--	--
		3/27/2009	718.47	51.50	23.24	695.23	--	--
		4/7/2009	718.47	52.47	23.27	695.20	--	--
		9/25/2009	718.47	51.63	24.99	693.48	--	--
		11/2/2009	718.47	51.40	24.89	693.58	--	--
		8/3/2010	718.47	52.02	22.88	695.59	--	--
		5/9/2011	718.47	51.30	21.54	696.93	--	--
		9/29/2011	718.47	NM	24.37	694.10	--	--
		3/27/2012	718.47	51.36	23.01	695.46	--	--
		9/20/2012	718.47	51.68	24.62	693.85	--	--
		3/28/2013	718.47	51.60	23.24	695.23	--	--
		9/12/2013	718.47	51.55	24.24	694.23	--	--
		3/18/2014	718.47	51.67	22.40	696.07	--	--
	MW-0401-S2B	5/18/2004	719.76	37.45	21.37	698.39	--	--
		11/19/2004	719.76	37.45	20.98	698.78	--	--
		1/31/2005	719.76	37.45	20.57	699.19	--	--
		2/24/2005	719.76	37.45	20.02	699.74	--	--
		3/29/2005	719.76	37.45	20.71	699.05	--	--
		4/28/2005	719.76	37.45	19.73	700.03	--	--
		5/31/2005	719.76	37.45	20.54	699.22	--	--
		6/29/2005	719.76	37.45	21.02	698.74	--	--
		7/29/2005	719.76	37.50	21.73	698.03	--	--
		8/31/2005	719.76	37.50	21.98	697.78	--	--
		9/30/2005	719.76	37.49	20.96	698.80	--	--
		10/31/2005	719.76	37.49	21.62	698.14	--	--
		11/29/2005	719.76	37.49	21.10	698.66	--	--
		12/22/2005	719.76	37.49	21.69	698.07	--	--
		1/31/2006	719.76	37.45	20.66	699.10	--	--
		2/28/2006	719.76	37.45	20.74	699.02	--	--
		3/30/2006	719.76	37.25	20.21	699.55	--	--
		4/10/2006	719.76	37.25	20.25	699.51	--	--
		4/28/2006	719.76	37.25	20.07	699.69	--	--
		5/30/2006	719.76	37.25	20.38	699.38	--	--
		6/26/2006	719.76	37.25	20.41	699.35	--	--
		8/29/2006	719.76	37.27	21.86	697.90	--	--
		9/26/2006	719.76	37.27	21.81	697.95	--	--
		10/18/2006	719.76	37.27	21.83	697.93	--	--
		11/23/2006	719.76	37.27	20.98	698.78	--	--
		12/18/2006	719.76	37.27	20.62	699.14	--	--
		1/16/2007	719.76	37.27	18.75	701.01	--	--
		2/2/2007	719.76	38.34	18.53	701.23	--	--
		2/22/2007	719.76	38.34	18.31	701.45	--	--
		3/20/2007	719.76	38.34	19.65	700.11	--	--

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Area	Well	Date	Top of Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		4/24/2007	719.76	38.34	19.73	700.03	--	--
		5/17/2007	719.76	38.34	20.19	699.57	--	--
		6/26/2007	719.76	38.34	21.82	697.94	--	--
		10/8/2007	719.76	37.42	22.84	696.92	--	--
		12/13/2007	719.76	37.58	22.54	697.22	--	--
		5/19/2008	719.76	37.44	20.75	699.01	--	--
		12/10/2008	719.76	NM	18.24	701.52	--	--
		4/7/2009	719.76	37.20	21.58	698.18	--	--
		9/25/2009	719.76	37.21	22.71	697.05	--	--
		11/2/2009	719.76	37.22	22.51	697.25	--	--
		2/22/2010	719.76	37.43	22.32	697.44	--	--
		4/30/2010	719.76	37.45	21.65	698.11	--	--
		10/14/2010	719.76	37.00	22.83	696.93	--	--
		12/6/2010	719.76	NM	22.90	696.86	--	--
		2/16/2011	719.76	37.50	23.05	696.71	--	--
		4/7/2011	719.76	37.48	21.13	698.63	--	--
		5/9/2011	719.76	NM	19.19	700.57	--	--
		7/13/2011	719.76	37.46	22.17	697.59	--	--
		9/29/2011	719.76	37.40	22.72	697.04	--	--
		11/7/2011	719.76	NM	22.96	696.80	--	--
		3/27/2012	719.76	37.30	22.38	697.38	--	--
		9/20/2012	719.76	37.20	22.32	697.44	--	--
		11/14/2012	719.76	37.45	22.75	697.01	--	--
		3/28/2013	719.76	37.30	22.23	697.53	--	--
		9/12/2013	719.76	37.08	23.25	696.51	--	--
		3/18/2014	719.76	37.00	21.19	698.57	--	--
	MW-0402-S2B	5/19/2004	719.59	38.45	17.50	702.09	--	--
		11/19/2004	719.59	38.45	17.11	702.48	--	--
		3/21/2005	719.59	38.45	17.74	701.85	--	--
		6/29/2005	719.59	35.40	18.44	701.15	--	--
		12/6/2005	719.59	38.45	18.25	701.34	--	--
		1/25/2006	719.59	35.81	17.48	702.11	--	--
		4/10/2006	719.59	38.45	22.21	697.38	--	--
		2/2/2007	719.59	36.14	23.94	695.65	--	--
		4/7/2009	719.61	37.76	17.69	701.92	--	--
		9/25/2009	719.61	37.93	18.33	701.28	--	--
		11/2/2009	719.61	37.82	19.62	699.99	--	--
		4/30/2010	719.61	37.90	18.10	701.51	--	--
		9/29/2011	719.61	38.94	19.45	700.16	--	--
		3/27/2012	719.61	38.95	18.54	701.07	--	--
		9/20/2012	719.61	37.82	18.85	700.76	--	--
		3/28/2013	719.61	37.94	17.96	701.65	--	--
		9/12/2013	719.61	37.75	19.52	700.09	--	--
		3/18/2014	719.61	37.71	18.28	701.33	--	--
	MW-0402-S3	2/10/2009	719.53	50.10	25.42	694.11	--	--
		3/27/2009	719.53	50.06	24.84	694.69	--	--
		4/7/2009	719.53	50.05	23.01	696.52	--	--
		9/25/2009	719.53	50.26	25.85	693.68	--	--
		11/2/2009	719.53	50.14	24.14	695.39	--	--
		8/3/2010	719.53	50.20	23.35	696.18	--	--
		10/14/2010	719.53	49.73	24.38	695.15	--	--
		5/9/2011	719.53	NM	22.48	697.05	--	--
		9/29/2011	719.53	50.20	25.33	694.20	--	--
		3/27/2012	719.53	50.30	24.78	694.75	--	--
		9/20/2012	719.53	50.20	25.57	693.96	--	--
		3/28/2013	719.53	50.20	24.45	695.08	--	--
		9/12/2013	719.53	49.91	25.07	694.46	--	--
		3/18/2014	719.53	50.00	23.16	696.37	--	--
	MW-0403-S2B	5/18/2004	719.13	NM	20.62	698.51	--	--
		11/19/2004	719.13	37.67	20.23	698.90	--	--
		3/21/2005	719.13	37.67	20.11	699.02	--	--
		6/29/2005	719.13	36.50	21.15	697.98	--	--
		4/10/2006	719.13	36.46	19.50	699.63	--	--
		2/10/2009	719.13	36.25	22.13	697.00	--	--
		3/27/2009	719.13	36.23	21.72	697.41	--	--
		4/7/2009	719.13	36.14	21.04	698.09	--	--
		9/25/2009	719.13	36.22	22.25	696.88	--	--
		11/2/2009	719.13	36.17	22.00	697.13	--	--
		4/30/2010	719.13	36.85	21.00	698.13	--	--
		10/14/2010	719.13	36.36	21.98	697.15	--	--
		5/9/2011	719.13	36.05	19.58	699.55	--	--
		9/29/2011	719.13	NM	22.10	697.03	--	--
		3/27/2012	719.13	36.21	21.92	697.21	--	--
		9/20/2012	719.13	36.35	21.85	697.28	--	--
		3/28/2013	719.13	36.30	21.69	697.44	--	--
		9/12/2013	719.13	36.32	22.63	696.50	--	--
		3/18/2014	719.13	36.21	20.56	698.57	--	--
	MW-0404-S2B	5/17/2004	719.21	NM	20.75	698.46	--	--
		11/19/2004	719.21	38.00	20.36	698.85	--	--
		3/21/2005	719.21	38.00	20.23	698.98	--	--
		4/10/2006	719.21	36.72	19.62	699.59	--	--
		2/10/2009	719.21	36.90	22.21	697.00	--	--
		3/27/2009	719.21	36.90	21.34	697.87	--	--
		4/7/2009	719.21	37.00	21.27	697.94	--	--
		9/25/2009	719.21	36.85	22.35	696.86	--	--
		11/2/2009	719.21	26.79	22.08	697.13	--	--

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Table 1. Monitoring Well Gauging Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014, Allison Transmission, Inc., Speedway, Indiana

Area	Well	Date	Top of Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		4/30/2010	719.21	37.55	20.94	698.27	--	--
		10/14/2010	719.21	36.99	22.18	697.03	--	--
		5/9/2011	719.21	36.70	18.84	700.37	--	--
		9/29/2011	719.21	37.00	22.20	697.01	--	--
		3/27/2012	719.21	37.00	22.01	697.20	--	--
		9/20/2012	719.21	37.00	22.00	697.21	--	--
		3/28/2013	719.21	37.00	21.85	697.36	--	--
		9/12/2013	719.21	36.98	22.78	696.43	--	--
		3/18/2014	719.21	37.00	20.77	698.44	--	--
	MW-0406-S2B	5/18/2004	717.49	NM	19.21	698.28	--	--
		11/19/2004	717.49	32.82	18.82	698.67	--	--
		3/18/2005	717.49	32.82	18.53	698.96	--	--
		6/29/2005	717.49	NM	19.73	697.76	--	--
		12/6/2005	717.49	32.82	19.42	698.07	--	--
		1/13/2006	717.49	31.68	20.38	697.11	--	--
		4/10/2006	717.49	31.26	18.16	699.33	--	--
		2/2/2007	717.49	30.80	16.23	701.26	--	--
		2/10/2009	717.73	30.81	20.36	697.37	--	--
		3/27/2009	717.73	30.70	19.79	697.94	--	--
		4/7/2009	717.73	30.59	20.15	697.58	--	--
		9/25/2009	717.73	30.69	20.59	697.14	--	--
		11/2/2009	717.73	31.19	20.35	697.38	--	--
		4/30/2010	717.73	31.52	19.59	698.14	--	--
		10/14/2010	717.73	NM	20.62	697.11	--	--
		5/9/2011	717.73	30.18	17.33	700.40	--	--
		9/29/2011	717.52	NM	20.67	696.85	--	--
		3/27/2012	717.52	30.65	21.23	696.29	--	--
		9/20/2012	717.52	30.60	20.00	697.52	--	--
		3/28/2013	717.52	30.70	20.92	696.60	--	--
		9/12/2013	717.52	30.70	21.62	696.11	--	--
		3/18/2014	717.52	30.65	19.88	697.64	--	--
	MW-0409-S2B	5/18/2004	718.59	NM	20.15	698.44	--	--
		11/19/2004	718.59	NM	19.76	698.83	--	--
		3/21/2005	718.59	36.00	19.65	698.94	--	--
		6/29/2005	718.59	35.10	20.67	697.92	--	--
		12/6/2005	718.59	35.10	20.15	698.44	--	--
		1/11/2006	718.59	35.56	20.40	698.19	--	--
		4/10/2006	718.59	34.96	19.03	699.56	--	--
		2/2/2007	718.59	35.20	17.30	701.29	--	--
		2/10/2009	718.59	34.92	21.46	697.13	--	--
		3/27/2009	718.59	34.95	20.69	697.90	--	--
		4/7/2009	718.59	39.88	20.63	697.96	--	--
		9/25/2009	718.59	34.85	21.65	696.94	--	--
		11/2/2009	718.59	34.81	21.13	697.46	--	--
		4/30/2010	718.59	35.35	20.47	698.12	--	--
		10/14/2010	718.59	NM	21.58	697.01	--	--
		5/9/2011	718.59	34.50	18.11	700.48	--	--
		9/29/2011	718.59	35.01	21.36	697.23	--	--
		3/27/2012	718.59	34.70	21.35	697.24	--	--
		9/20/2012	718.59	34.90	21.35	697.24	--	--
		3/28/2013	718.59	34.90	21.16	697.43	--	--
		9/12/2013	718.59	34.86	22.10	696.49	--	--
		3/18/2014	718.59	34.85	20.08	698.51	--	--
	MW-0409-S3	2/10/2009	718.58	54.64	24.87	693.71	--	--
		3/27/2009	718.58	54.60	23.60	694.98	--	--
		4/7/2009	718.58	54.60	24.69	693.89	--	--
		9/25/2009	718.58	55.20	25.32	693.26	--	--
		11/2/2009	718.58	54.56	24.15	694.43	--	--
		8/3/2010	718.58	54.64	23.06	695.52	--	--
		10/14/2010	718.58	54.64	23.59	694.99	--	--
		5/9/2011	718.58	54.40	22.12	696.46	--	--
		9/29/2011	718.58	54.55	24.48	694.10	--	--
		3/27/2012	718.58	54.50	23.57	695.01	--	--
		9/20/2012	718.58	54.60	24.69	693.89	--	--
		3/28/2013	718.58	54.60	23.04	695.54	--	--
		9/12/2013	718.58	54.50	24.46	694.12	--	--
		3/18/2014	718.58	54.55	22.49	696.09	--	--
	MW-0414-S2A/S2B	2/10/2009	719.67	39.20	18.25	701.42	--	--
		3/27/2009	719.67	39.06	18.51	701.16	--	--
		4/7/2009	719.67	39.00	17.16	702.51	--	--
		9/25/2009	719.67	39.23	18.98	700.69	--	--
		11/2/2009	719.67	39.08	18.66	701.01	--	--
		4/30/2010	719.67	39.20	18.01	701.66	--	--
		10/14/2010	719.67	38.90	18.38	701.29	--	--
		5/9/2011	719.67	39.00	17.84	701.83	--	--
		9/29/2011	719.67	39.15	18.55	701.12	--	--
		3/27/2012	719.67	39.10	18.39	701.28	--	--
		9/20/2012	719.67	39.02	15.43	704.24	--	--
		3/28/2013	719.67	39.18	17.89	701.78	--	--
		9/12/2013	719.67	38.91	19.44	700.23	--	--
		3/18/2014	719.67	38.89	18.20	701.47	--	--
	MW-0414-S3	2/10/2009	719.58	46.85	24.91	694.67	--	--
		3/27/2009	719.58	46.59	24.32	695.26	--	--
		4/7/2009	719.58	46.51	22.80	696.78	--	--
		9/25/2009	719.58	46.70	25.41	694.17	--	--

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Area	Well	Date	Top of Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		11/2/2009	719.58	46.61	25.06	694.52	--	--
		8/3/2010	719.58	46.77	23.18	696.40	--	--
		10/14/2010	719.58	46.30	24.18	695.40	--	--
		5/9/2011	719.58	46.55	22.25	697.33	--	--
		9/29/2011	719.58	46.72	26.43	693.15	--	--
		3/27/2012	719.58	46.90	25.56	694.02	--	--
		9/20/2012	719.58	46.60	25.92	693.66	--	--
		3/28/2013	719.58	46.78	24.81	694.77	--	--
		9/12/2013	719.58	46.55	25.02	694.56	--	--
		3/18/2014	719.58	46.56	23.16	696.42	--	--
	MW-0416-S2A	2/10/2009	719.71	28.85	17.02	702.69	--	--
		3/27/2009	719.71	28.97	16.80	702.91	--	--
		4/7/2009	719.71	28.95	15.54	704.17	--	--
		9/25/2009	719.71	29.05	17.63	702.08	--	--
		11/2/2009	719.71	29.01	17.31	702.40	--	--
		4/30/2010	719.71	29.10	16.35	703.36	--	--
		10/14/2010	719.71	29.00	18.12	701.59	--	--
		5/9/2011	719.71	28.92	13.96	705.75	--	--
		9/29/2011	719.71	29.10	17.61	702.10	--	--
		3/27/2012	719.71	29.15	17.85	701.86	--	--
		9/20/2012	719.71	29.03	14.26	705.45	--	--
		3/28/2013	719.71	29.14	16.23	703.48	--	--
		9/12/2013	719.71	28.93	18.33	701.38	--	--
		3/18/2014	719.71	28.92	15.05	704.66	--	--
	MW-0417-S3	2/10/2009	719.47	50.77	25.49	693.98	--	--
		3/27/2009	719.47	50.83	24.15	695.32	--	--
		4/7/2009	719.47	50.50	24.75	694.72	--	--
		9/25/2009	719.47	50.65	25.15	694.32	--	--
		11/2/2009	719.47	50.53	25.98	693.49	--	--
		8/3/2010	719.47	51.10	24.08	695.39	--	--
		10/14/2010	719.47	50.71	24.62	694.85	--	--
		5/9/2011	719.47	50.38	22.57	696.90	--	--
		9/29/2011	719.47	--	25.43	694.04	--	--
		3/27/2012	719.47	50.90	24.58	694.89	--	--
		9/20/2012	719.47	50.65	26.65	692.82	--	--
		3/28/2013	719.47	50.70	24.49	694.98	--	--
		9/12/2013	719.47	50.60	25.36	694.11	--	--
		3/18/2014	719.47	50.40	23.44	696.03	--	--
	MW-0418-S2A	2/10/2009	718.66	27.28	17.12	701.54	--	--
		3/27/2009	718.66	27.27	17.45	701.21	--	--
		4/7/2009	718.66	27.18	16.40	702.26	--	--
		9/25/2009	718.66	27.22	18.25	700.41	--	--
		11/2/2009	718.66	27.16	17.76	700.90	--	--
		4/30/2010	718.66	27.50	17.21	701.45	--	--
		10/14/2010	718.66	27.40	17.34	701.32	--	--
		5/9/2011	718.66	26.07	17.64	701.02	--	--
		9/29/2011	718.66	27.40	18.09	700.57	--	--
		3/27/2012	718.66	27.48	17.55	701.11	--	--
		9/20/2012	718.66	27.40	17.45	701.21	--	--
		3/28/2013	718.66	27.40	16.81	701.85	--	--
		9/12/2013	718.66	27.39	18.43	700.23	--	--
		3/18/2014	718.66	27.35	16.94	701.72	--	--
	MW-0418-S3	2/10/2009	719.17	51.61	24.75	694.42	--	--
		3/27/2009	719.17	51.64	24.74	694.43	--	--
		4/7/2009	719.17	51.47	23.29	695.88	--	--
		9/25/2009	719.17	51.61	25.15	694.02	--	--
		11/2/2009	719.17	51.46	25.05	694.12	--	--
		8/3/2010	719.17	51.60	23.75	695.42	--	--
		10/14/2010	719.17	51.65	23.88	695.29	--	--
		5/9/2011	719.17	50.62	22.33	696.84	--	--
		9/29/2011	719.17	51.68	24.61	694.56	--	--
		3/27/2012	719.17	51.60	24.20	694.97	--	--
		9/20/2012	719.17	51.62	25.12	694.05	--	--
		3/28/2013	719.17	51.60	23.58	695.59	--	--
		9/12/2013	719.17	51.60	24.64	694.53	--	--
		3/18/2014	719.17	51.45	22.78	696.39	--	--
	MW-0419-S2B	2/10/2009	719.31	35.77	21.94	697.37	--	--
		3/27/2009	719.31	35.70	21.49	697.82	--	--
		4/7/2009	719.31	35.57	21.00	698.31	--	--
		9/25/2009	719.31	35.74	22.10	697.21	--	--
		11/2/2009	719.31	35.95	21.95	697.36	--	--
		4/30/2010	719.31	36.50	21.02	698.29	--	--
		10/14/2010	719.31	35.50	23.95	695.36	--	--
		5/9/2011	720.87	35.40	19.92	700.95	--	--
		9/29/2011	720.87	38.13	23.55	697.32	--	--
		3/27/2012	720.87	37.70	23.32	697.55	--	--
		9/20/2012	720.87	38.15	23.30	697.57	--	--
		3/28/2013	720.87	38.18	23.17	697.70	--	--
		9/12/2013	720.87	38.15	24.15	695.16	--	--
		3/18/2014	720.87	38.13	21.94	698.93	--	--
	MW-0419-S3	2/10/2009	719.14	52.95	25.18	693.96	--	--
		3/27/2009	719.14	52.68	23.47	695.67	--	--
		4/7/2009	719.14	52.80	23.94	695.20	--	--
		9/25/2009	719.14	52.92	25.39	693.75	--	--

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Area	Well	Date	Top of Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		11/2/2009	719.14	52.90	24.26	694.88	--	--
		8/3/2010	720.69	54.55	24.95	695.74	--	--
		10/14/2010	720.69	50.45	25.90	694.79	--	--
		5/9/2011	720.69	50.45	24.13	696.56	--	--
		9/29/2011	720.69	54.55	26.82	693.87	--	--
		3/27/2012	720.69	50.60	25.44	695.25	--	--
		9/20/2012	720.69	54.55	26.42	694.27	--	--
		3/28/2013	720.69	54.62	25.44	695.25	--	--
		9/12/2013	720.69	53.40	24.92	695.77	--	--
		3/18/2014	720.69	54.55	24.53	696.16	--	--
	MW-0420-S2A	2/10/2009	718.60	24.88	21.32	697.28	--	--
		3/27/2009	718.60	24.87	20.87	697.73	--	--
		4/7/2009	718.60	24.85	20.41	698.19	--	--
		9/25/2009	718.60	24.87	21.46	697.14	--	--
		11/2/2009	718.60	24.78	21.23	697.37	--	--
		4/30/2010	718.60	25.00	20.35	698.25	--	--
		10/14/2010	718.60	25.35	22.20	696.40	--	--
		5/9/2011	719.10	24.30	18.19	700.91	--	--
		9/29/2011	719.10	25.53	21.85	697.25	--	--
		3/27/2012	719.10	25.60	21.64	697.46	--	--
		9/20/2012	719.10	25.55	21.58	697.52	--	--
		3/28/2013	719.10	25.53	21.44	697.66	--	--
		9/12/2013	719.10	22.45	25.54	693.06	--	--
		3/18/2014	719.10	25.31	20.33	698.77	--	--
	MW-0420-S3	2/10/2009	718.81	52.60	24.60	694.21	--	--
		3/27/2009	718.81	52.87	23.78	695.03	--	--
		4/7/2009	718.81	52.61	23.45	695.36	--	--
		9/25/2009	718.81	52.61	24.85	693.96	--	--
		11/2/2009	718.81	52.67	23.73	695.08	--	--
		8/3/2010	719.10	53.31	23.45	695.65	--	--
		10/14/2010	719.10	45.50	24.34	694.76	--	--
		5/9/2011	719.10	49.45	22.52	696.58	--	--
		9/29/2011	719.10	53.40	25.28	693.82	--	--
		3/27/2012	719.10	49.55	23.82	695.46	--	--
		9/20/2012	719.28	53.40	24.92	694.36	--	--
		3/28/2013	719.28	53.42	23.92	695.36	--	--
		9/12/2013	719.28	54.25	23.55	695.73	--	--
		3/18/2014	719.28	53.11	23.14	696.14	--	--
	MW-0421-S2	2/10/2009	718.03	36.40	20.77	697.26	--	--
		3/27/2009	718.03	36.37	20.34	697.69	--	--
		4/7/2009	718.03	36.20	19.89	698.14	--	--
		9/25/2009	718.03	36.29	20.95	697.08	--	--
		11/2/2009	718.03	36.37	20.76	697.27	--	--
		4/30/2010	718.03	36.30	19.84	698.19	--	--
		10/14/2010	718.03	35.97	21.22	696.81	--	--
		5/9/2011	718.03	36.56	17.17	700.86	--	--
		9/29/2011	718.03	36.15	20.87	697.16	--	--
		3/27/2012	718.03	36.00	20.61	697.42	--	--
		9/20/2012	718.03	35.95	20.62	697.41	--	--
		3/28/2013	718.03	35.99	20.33	697.70	--	--
		9/12/2013	718.03	36.00	21.44	696.59	--	--
		3/18/2014	718.03	35.65	19.36	698.67	--	--
	MW-0421-S3	2/10/2009	718.00	54.42	23.94	694.06	--	--
		3/27/2009	718.00	54.76	22.78	695.22	--	--
		4/7/2009	718.00	52.30	22.52	695.48	--	--
		9/25/2009	718.00	54.50	23.30	694.70	--	--
		11/2/2009	718.00	54.31	23.61	694.39	--	--
		8/3/2010	718.00	44.46	22.16	695.84	--	--
		10/14/2010	718.00	54.25	22.94	695.06	--	--
		5/9/2011	718.00	49.80	21.07	696.93	--	--
		9/29/2011	718.00	54.35	23.88	694.12	--	--
		3/27/2012	718.00	50.80	22.64	695.36	--	--
		9/20/2012	718.00	54.35	23.60	694.40	--	--
		3/28/2013	718.00	54.20	22.61	695.39	--	--
		9/12/2013	718.00	54.25	23.55	694.45	--	--
		3/18/2014	718.00	54.05	21.65	696.35	--	--
	MW-0423-S2A	2/10/2009	719.67	23.10	16.93	702.74	--	--
		3/27/2009	719.67	23.25	16.62	703.05	--	--
		4/7/2009	719.67	23.21	15.25	704.42	--	--
		9/25/2009	719.67	23.30	17.58	702.09	--	--
		11/2/2009	719.67	23.30	17.18	702.49	--	--
		4/30/2010	719.67	23.40	16.28	703.39	--	--
		10/14/2010	719.67	20.67	17.99	701.68	--	--
		5/9/2011	719.67	23.21	13.80	705.87	--	--
		9/29/2011	719.67	23.45	17.35	702.32	--	--
		3/27/2012	719.67	23.50	17.70	701.97	--	--
		9/20/2012	719.67	23.44	13.87	705.80	--	--
		3/28/2013	719.67	23.42	16.03	703.64	--	--
		9/12/2013	719.67	23.21	18.25	701.42	--	--
		3/18/2014	719.67	23.22	14.91	704.76	--	--
	MW-0424-S2A	2/10/2009	719.71	29.60	17.92	701.79	--	--
		3/27/2009	719.71	29.43	18.20	701.51	--	--
		4/7/2009	719.71	29.37	16.96	702.75	--	--
		9/25/2009	719.71	29.44	18.66	701.05	--	--

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Table 1. Monitoring Well Gauging Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014, Allison Transmission, Inc., Speedway, Indiana

Area	Well	Date	Top of Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		11/2/2009	719.71	29.45	18.27	701.44	--	--
		4/30/2010	719.71	29.65	17.80	701.91	--	--
		10/14/2010	719.71	29.49	18.24	701.47	--	--
		5/9/2011	719.71	29.71	17.41	702.30	--	--
		9/29/2011	719.71	29.60	18.28	701.43	--	--
		3/27/2012	719.71	29.65	18.15	701.56	--	--
		9/20/2012	719.71	29.65	18.03	701.68	--	--
		3/28/2013	719.71	29.60	17.79	701.92	--	--
		9/12/2013	719.71	29.41	19.53	700.18	--	--
		3/18/2014	719.71	29.42	17.18	702.53	--	--
	MW-0425-S2A	4/7/2009	719.79	29.15	17.21	702.58	--	--
		9/25/2009	719.79	29.21	18.95	700.84	--	--
		11/2/2009	719.79	29.21	18.61	701.18	--	--
		4/30/2010	719.79	29.30	18.00	701.79	--	--
		10/14/2010	719.79	29.21	18.42	701.37	--	--
		5/9/2011	719.79	29.14	17.75	702.04	--	--
		9/29/2011	719.79	29.35	18.55	701.24	--	--
		3/27/2012	719.79	29.25	18.37	701.42	--	--
		9/20/2012	719.79	29.23	18.45	701.34	--	--
		3/28/2013	719.79	29.32	17.94	701.85	--	--
		9/12/2013	719.79	29.12	19.43	700.36	--	--
		3/18/2014	719.79	29.10	18.20	701.59	--	--
	MW-0426-S2B	4/7/2009	719.27	36.29	21.23	698.04	--	--
		9/25/2009	719.27	36.35	22.05	697.22	--	--
		11/2/2009	719.27	36.22	21.99	697.28	--	--
		4/30/2010	719.27	36.85	21.15	698.12	--	--
		10/14/2010	719.27	36.26	22.25	697.02	--	--
		5/9/2011	719.27	35.40	19.84	699.43	--	--
		9/29/2011	719.27	36.25	22.26	697.01	--	--
		3/27/2012	719.27	36.20	22.03	697.24	--	--
		9/20/2012	719.27	36.50	21.90	697.37	--	--
		3/28/2013	719.27	36.20	21.73	697.54	--	--
		9/12/2013	719.27	36.15	22.78	696.49	--	--
		3/18/2014	719.27	36.05	20.75	698.52	--	--
	MW-0427-S2B	2/10/2009	718.47	35.82	21.55	696.92	--	--
		3/27/2009	718.47	35.88	20.59	697.88	--	--
		4/7/2009	718.47	37.80	20.31	698.16	--	--
		9/25/2009	718.47	35.85	21.80	696.67	--	--
		11/2/2009	718.47	35.80	20.99	697.48	--	--
		4/30/2010	718.47	36.50	20.42	698.05	--	--
		10/14/2010	718.47	NM	21.46	697.01	--	--
		5/9/2011	718.47	35.50	18.12	700.35	--	--
		9/29/2011	718.47	NM	21.51	696.96	--	--
		3/27/2012	718.47	35.89	21.35	697.12	--	--
		9/20/2012	718.47	36.00	21.25	697.22	--	--
		3/28/2013	718.47	36.05	21.10	697.37	--	--
		9/12/2013	718.47	36.00	22.04	696.43	--	--
		3/18/2014	718.47	35.88	20.10	698.37	--	--
	MW-0817-S2B	2/10/2009	717.36	34.32	20.34	697.02	--	--
		3/27/2009	717.36	34.61	19.93	697.43	--	--
		4/7/2009	717.36	34.58	19.58	697.78	--	--
		9/25/2009	717.36	34.50	20.57	696.79	--	--
		11/2/2009	717.36	34.52	20.06	697.30	--	--
		4/30/2010	717.36	34.70	19.36	698.00	--	--
		10/14/2010	717.36	35.66	20.49	696.87	--	--
		5/9/2011	717.36	34.00	17.18	700.18	--	--
		9/29/2011	717.36	34.61	20.60	696.76	--	--
		3/27/2012	717.36	34.70	20.25	697.11	--	--
		9/20/2012	717.36	34.40	19.93	697.43	--	--
		3/28/2013	717.36	34.35	19.95	697.41	--	--
		9/12/2013	717.36	34.30	20.94	696.42	--	--
		3/18/2014	717.36	34.41	18.95	698.41	--	--
	MW-0817-S3	2/10/2009	717.30	48.65	23.04	694.26	--	--
		3/27/2009	717.30	48.65	22.85	694.45	--	--
		4/7/2009	717.30	48.60	21.85	695.45	--	--
		9/25/2009	717.30	48.60	23.05	694.25	--	--
		11/2/2009	717.30	48.58	22.14	695.16	--	--
		8/3/2010	717.30	48.77	21.25	696.05	--	--
		10/14/2010	717.30	48.77	21.96	695.34	--	--
		5/9/2011	717.30	48.10	20.17	697.13	--	--
		9/29/2011	717.30	48.80	22.97	694.33	--	--
		3/27/2012	717.30	48.85	21.51	695.79	--	--
		9/20/2012	717.30	48.75	22.64	694.66	--	--
		3/28/2013	717.30	48.80	21.41	695.89	--	--
		9/12/2013	717.30	48.70	22.64	694.66	--	--
		3/18/2014	717.30	48.78	20.77	696.53	--	--
	MW-0818-S3	2/10/2009	718.16	53.70	23.78	694.38	--	--
		3/27/2009	718.16	53.41	23.31	694.85	--	--
		4/7/2009	718.16	53.34	21.71	696.45	--	--
		9/25/2009	718.16	53.49	23.60	694.56	--	--
		11/2/2009	718.16	53.29	23.70	694.46	--	--
		8/3/2010	718.16	53.50	22.05	696.11	--	--
		10/14/2010	718.16	53.44	22.91	695.25	--	--
		5/9/2011	718.16	52.14	21.03	697.13	--	--

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Area	Well	Date	Top of Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		9/29/2011	718.16	53.56	23.64	694.52	--	--
		3/27/2012	718.16	53.60	22.51	695.65	--	--
		9/20/2012	718.16	53.50	23.48	694.68	--	--
		3/28/2013	718.16	53.50	22.52	695.64	--	--
		9/12/2013	718.16	53.50	23.44	694.72	--	--
		3/18/2014	718.16	53.30	21.62	696.54	--	--
	MW-0819-S2B	2/10/2009	719.33	37.79	22.04	697.29	--	--
		3/27/2009	719.33	37.95	21.58	697.75	--	--
		4/7/2009	719.33	37.70	21.13	698.20	--	--
		9/25/2009	719.33	37.80	22.19	697.14	--	--
		11/2/2009	719.33	37.68	22.00	697.33	--	--
		4/30/2010	719.33	37.90	21.13	698.20	--	--
		10/14/2010	719.33	22.53	37.95	681.38	--	--
		5/9/2011	719.43	37.50	18.56	700.87	--	--
		9/29/2011	719.43	38.00	22.26	697.17	--	--
		3/27/2012	719.43	38.00	21.92	697.51	--	--
		9/20/2012	719.43	37.99	21.97	697.46	--	--
		3/28/2013	719.43	38.00	21.83	697.60	--	--
		9/12/2013	719.43	38.00	22.83	696.50	--	--
		3/18/2014	719.43	37.75	20.65	698.78	--	--
	MW-0903-S3	9/25/2009	719.73	52.95	23.72	696.01	--	--
		11/2/2009	719.73	52.98	23.67	696.06	--	--
		8/3/2010	719.73	53.02	22.25	697.48	--	--
		10/14/2010	719.73	52.95	23.50	696.23	--	--
		5/9/2011	719.73	52.88	21.00	698.73	--	--
		9/29/2011	719.73	53.05	23.70	696.03	--	--
		3/27/2012	719.73	53.00	22.97	696.76	--	--
		9/20/2012	719.73	53.00	23.55	696.18	--	--
		3/28/2013	719.73	53.10	22.70	697.03	--	--
		9/12/2013	719.73	52.85	23.71	696.02	--	--
		3/18/2014	719.73	52.81	22.03	697.70	--	--
	MW-0904-S2B	9/25/2009	718.57	34.40	21.85	696.72	--	--
		11/2/2009	718.57	34.29	21.14	697.43	--	--
		4/30/2010	718.57	34.91	20.52	698.05	--	--
		10/14/2010	718.57	34.50	21.60	696.97	--	--
		5/9/2011	718.57	33.95	18.23	700.34	--	--
		9/29/2011	718.57	34.50	21.43	697.14	--	--
		3/27/2012	718.57	34.55	21.45	697.12	--	--
		9/20/2012	718.57	34.50	21.30	697.27	--	--
		3/28/2013	718.57	34.50	21.18	697.39	--	--
		9/12/2013	718.57	34.50	22.13	696.44	--	--
		3/18/2014	718.57	34.50	20.13	698.44	--	--
	MW-0904-S3	9/25/2009	718.50	49.15	24.10	694.40	--	--
		11/2/2009	718.50	48.98	22.88	695.62	--	--
		8/3/2010	718.50	49.15	22.55	695.95	--	--
		10/14/2010	718.50	49.16	23.08	695.42	--	--
		5/9/2011	718.50	48.38	21.28	697.22	--	--
		9/29/2011	718.50	49.15	24.13	694.37	--	--
		3/27/2012	718.50	48.40	23.00	695.50	--	--
		9/20/2012	718.50	49.20	23.91	694.59	--	0.00
		3/28/2013	718.50	49.15	22.91	695.59	--	--
		9/12/2013	718.50	49.14	23.81	694.69	--	--
		3/18/2014	718.50	49.15	21.97	696.53	--	--
	MW-1001-S2B	4/30/2010	717.64	34.10	19.40	698.24	--	--
		10/14/2010	717.64	34.10	20.68	696.96	--	--
		5/9/2011	717.64	NM	16.95	700.69	--	--
		9/29/2011	717.64	34.10	20.48	697.16	--	--
		3/27/2012	717.64	34.09	20.03	697.61	--	--
		9/20/2012	717.64	34.04	20.04	697.60	--	--
		3/28/2013	717.64	34.15	19.86	697.78	--	--
		9/12/2013	717.64	34.11	20.95	696.69	--	--
		3/18/2014	717.64	33.92	18.92	698.72	--	--
	MW-1001-S3	8/3/2010	717.86	40.04	20.30	697.56	--	--
		10/14/2010	717.86	49.05	21.53	696.33	--	--
		5/9/2011	717.86	49.05	18.97	698.89	--	--
		9/29/2011	717.86	49.05	21.66	696.20	--	--
		3/27/2012	717.86	49.05	20.85	697.01	--	--
		9/20/2012	717.86	49.00	21.42	696.44	--	--
		3/28/2013	717.86	49.15	20.70	697.16	--	--
		9/12/2013	717.86	49.05	21.72	696.14	--	--
		3/18/2014	717.86	48.88	20.20	697.66	--	--
	MW-1002-S2B	4/30/2010	717.35	36.70	18.73	698.62	--	--
		10/14/2010	717.35	36.65	20.13	697.22	--	--
		5/9/2011	717.35	36.55	16.35	701.00	--	--
		9/29/2011	717.35	36.60	19.74	697.61	--	--
		3/27/2012	717.35	36.55	19.22	698.13	--	--
		9/20/2012	717.35	36.60	19.24	698.11	--	--
		3/28/2013	717.35	36.72	19.12	698.23	--	--
		9/12/2013	717.35	36.69	20.25	697.10	--	--
		3/18/2014	717.35	36.50	18.24	699.11	--	--
	MW-1002-S3	8/3/2010	717.66	52.22	19.84	697.82	--	--
		10/14/2010	717.66	52.29	21.11	696.55	--	--

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Area	Well	Date	Top of Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		5/9/2011	717.66	50.52	18.47	699.19	--	--
		9/29/2011	717.66	67.55	20.85	696.81	--	--
		3/27/2012	717.66	52.20	20.36	697.30	--	--
		9/20/2012	717.66	52.15	20.92	696.74	--	--
		3/28/2013	717.66	52.30	20.23	697.43	--	--
		9/12/2013	717.66	52.30	21.24	696.42	--	--
		3/18/2014	717.66	52.05	19.63	698.03	--	--
	MW-1202-S2	3/28/2013	716.65	24.20	18.99	697.66	--	--
		9/12/2013	716.65	24.15	20.10	696.55	--	--
		3/18/2014	716.65	24.00	18.07	698.58	--	--
	MW-1203-S2	3/28/2013	715.69	20.35	17.94	697.75	--	--
		9/12/2013	715.69	20.31	19.16	696.53	--	--
		3/18/2014	715.69	20.10	17.02	698.67	--	--
	MW-1204-S2	3/28/2013	717.17	23.70	19.50	697.67	--	--
		9/12/2013	717.17	23.70	20.68	696.49	--	--
		3/18/2014	717.17	23.50	18.60	698.57	--	--
	MW-1205-S2B	3/28/2013	718.12	36.90	20.44	697.68	--	--
		9/12/2013	718.12	36.85	21.59	696.53	--	--
		3/18/2014	718.12	36.70	19.56	698.56	--	--
	MW-1206-S2	3/28/2013	720.08	39.68	22.39	697.69	--	--
		9/12/2013	720.08	39.60	23.58	696.50	--	--
		3/18/2014	720.08	39.45	21.55	698.53	--	--
	MW-1207-S2	3/28/2013	714.63	19.85	16.93	697.70	--	--
		9/12/2013	714.63	19.81	18.09	696.54	--	--
		3/18/2014	714.63	19.63	16.04	698.59	--	--
	MW-1301-S2	9/12/2013	720.01	41.20	23.58	696.43	--	--
		3/18/2014	720.01	41.40	21.54	698.47	--	--
	MW-1302-S2	9/12/2013	720.27	43.40	23.80	696.47	--	--
		3/18/2014	720.27	43.21	21.78	698.49	--	--
	MW-1303-S3	3/18/2014		65.50	22.33	698.46	--	--
	MW-1305-S2	3/18/2014		34.20	18.81	698.62	--	--
	MW-1306-S2	3/18/2014		33.97	19.37	698.60	--	--
	MW-1307-S2	3/18/2014		37.74	21.07	693.56	--	--
	MW-S2-0601	5/19/2008	718.16	25.00	19.45	698.71	--	--
		10/28/2008	718.16	26.78	21.74	696.42	21.62	0.12
		11/17/2008	718.16	25.00	21.51	696.65	--	Sheen
		12/10/2008	718.16	NM	21.61	696.80	21.31	0.30
		2/10/2009	718.16	26.85	20.88	697.30	20.86	5.99
		3/27/2009	718.16	27.12	20.63	697.53	--	--
		4/7/2009	718.16	27.05	20.15	698.01	--	--
		9/25/2009	718.16	27.05	21.29	696.87	21.05	0.24
		11/2/2009	718.16	27.03	20.94	697.22	20.94	--
		12/18/2009	718.16	NM	22.99	695.17	22.87	0.12
		2/22/2010	718.16	27.00	20.94	697.22	--	--
		3/23/2010	718.16	NM	20.47	697.69	--	--
		4/30/2010	718.16	27.00	20.10	698.06	--	--
		5/24/2010	718.16	NM	20.10	698.06	--	--
		8/23/2010	718.16	NM	20.41	697.75	20.39	0.02
		10/14/2010	718.16	NM	21.67	696.60	21.54	0.13
		11/18/2010	718.16	NM	22.02	696.21	21.93	0.09
		12/6/2010	718.16	NM	21.55	696.61	--	--
		3/11/2011	718.16	Diver dpld	17.66	700.61	17.53	0.13
		4/7/2011	718.16	Diver dpld	19.77	698.56	19.57	0.20
		5/9/2011	718.16	26.40	17.60	700.57	17.59	0.01
		6/3/2011	718.16	Diver dpld	19.31	699.01	19.12	0.19
		7/13/2011	718.16	NM	20.37	697.81	20.35	0.02
		8/3/2011	718.16	NM	21.18	696.98	--	--
		9/29/2011	718.16	36.97	21.13	697.03	--	--
		11/7/2011	718.16	NM	21.58	696.58	--	--
		12/8/2011	718.16	25.82	20.57	697.59	--	--
		3/27/2012	718.16	36.91	20.85	697.31	--	--
		9/20/2012	718.28	27.00	20.88	697.40	--	--
		2/18/2013	718.28	26.90	20.30	697.98	--	--
		3/28/2013	718.28	NM	20.71	697.57	--	--
		9/12/2013	718.28	26.80	21.73	696.43	--	--
		11/25/2013	718.28	26.72	20.77	697.51	--	--
		3/18/2014	718.28	26.98	19.52	698.76	--	--
	MW-S2A-0501	2/10/2009	717.64	20.32	19.99	697.65	--	--
		3/27/2009	717.64	20.03	19.33	698.31	--	--
		4/7/2009	717.64	20.27	18.65	698.99	--	--
		9/25/2009	717.64	20.29	20.15	697.49	--	--
		11/2/2009	717.64	20.23	20.05	697.59	--	--
		4/30/2010	717.64	35.15	19.58	698.06	--	--
		10/14/2010	717.64	NM	20.23	697.41	--	--
		5/9/2011	717.64	20.25	16.44	701.20	--	--
		9/29/2011	717.64	23.48	19.94	697.70	--	--

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Table 1. Monitoring Well Gauging Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014, Allison Transmission, Inc., Speedway, Indiana

Area	Well	Date	Top of Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		3/27/2012	717.64	23.40	19.70	697.94	--	--
		9/20/2012	717.64	20.45	18.42	699.22	--	--
		3/28/2013	717.64	20.50	18.65	698.99	--	--
		9/12/2013	717.64	20.45	20.32	697.32	--	--
		3/18/2014	717.64	20.51	18.16	699.48	--	--
	MW-S2B-0501	2/10/2009	717.57	35.10	20.45	697.12	--	--
		3/27/2009	717.57	35.03	19.98	697.59	--	--
		4/7/2009	717.57	25.02	19.51	698.06	--	--
		9/25/2009	717.57	35.08	20.90	696.67	--	--
		11/2/2009	717.57	34.97	22.29	695.28	--	--
		4/30/2010	717.57	20.43	18.28	699.29	--	--
		10/14/2010	717.57	NM	20.75	696.82	--	--
		5/9/2011	717.57	34.80	16.97	700.60	--	--
		9/29/2011	717.71	35.02	20.72	696.99	--	--
		3/27/2012	717.71	35.00	20.76	696.95	--	--
		9/20/2012	717.71	35.15	20.40	697.31	--	--
		3/28/2013	717.71	35.20	20.40	697.31	--	--
		9/12/2013	717.71	35.15	21.36	696.21	--	--
		3/18/2014	717.71	35.01	19.43	698.28	--	--
	MW-S3-0501	2/10/2009	717.41	53.10	24.61	692.80	--	--
		3/27/2009	717.41	53.10	22.74	694.67	--	--
		4/7/2009	717.41	53.09	23.34	694.07	--	--
		9/25/2009	717.41	53.11	23.39	694.02	--	--
		11/2/2009	717.41	53.08	23.62	693.79	--	--
		8/3/2010	717.41	53.05	22.61	694.80	--	--
		10/14/2010	717.41	NM	23.13	694.28	--	--
		5/9/2011	717.41	52.92	21.63	695.78	--	--
		9/29/2011	718.14	53.15	23.91	694.23	--	--
		3/27/2012	718.14	53.10	23.05	695.09	--	--
		9/20/2012	718.14	53.08	23.01	695.13	--	--
		3/28/2013	718.14	53.10	23.01	695.13	--	--
		9/12/2013	718.14	53.00	23.91	694.23	--	--
		3/18/2014	718.14	53.08	22.04	696.10	--	--
	MW-S3-0601	2/10/2009	718.16	52.51	24.55	693.61	--	--
		3/27/2009	718.16	52.50	24.11	694.05	--	--
		4/7/2009	718.16	52.40	23.55	694.61	--	--
		9/25/2009	718.16	52.50	24.78	693.38	--	--
		11/2/2009	718.16	52.31	23.55	694.61	--	--
		8/3/2010	718.16	52.50	22.80	695.36	--	--
		10/14/2010	718.16	NM	23.45	694.71	--	--
		5/9/2011	718.16	51.70	21.86	696.30	--	--
		3/27/2012	718.34	53.10	23.11	695.23	--	--
		9/20/2012	718.34	52.60	24.29	694.05	--	--
		3/28/2013	718.34	52.35	22.87	695.47	--	--
		9/12/2013	718.34	52.50	24.13	694.21	--	--
		3/18/2014	718.34	52.58	22.21	696.13	--	--
	RW-0201-S2A	2/10/2009	718.88	NM	26.75	692.13	--	--
		3/27/2009	718.88	NM	26.75	692.13	--	--
		4/7/2009	718.88	NM	26.91	691.97	--	--
		9/25/2009	718.88	27.00			--	--
		11/2/2009	718.88	NM	27.04	691.84	--	--
		4/30/2010	718.88	NM			--	--
		10/14/2010	718.88	NM	25.11	693.77	--	--
		5/9/2011	718.88	NM	DRY		--	--
		9/29/2011	718.88	NM	26.90	691.98	--	--
		3/27/2012	718.88	NM	26.93	691.95	--	--
		9/20/2012	718.88	NM	DRY	DRY	--	--
		3/28/2013	718.88	26.75	16.53	702.35	--	--
		9/12/2013	718.88	24.67	24.67	694.21	--	--
		3/18/2014	718.88	NM	Below Pump	Below Pump	--	--
	RW-0202-S2A	2/10/2009	719.07	NM	25.77	693.30	--	--
		3/27/2009	719.07	NM	26.56	692.51	--	--
		4/7/2009	719.07	NM	16.04	703.03	--	--
		9/25/2009	719.07	26.49			--	--
		11/2/2009	719.07	NM	26.06	693.01	--	--
		4/30/2010	719.07	NM	17.34	701.73	--	--
		10/14/2010	719.07	NM	17.79	701.28	--	--
		5/9/2011	719.07	NM	17.95	701.12	--	--
		9/29/2011	719.07	NM	17.94	701.13	--	--
		3/27/2012	719.07	NM	17.28	701.79	--	--
		9/20/2012	719.07	NM	17.77	701.30	--	--
		3/28/2013	719.07	26.20	17.22	701.85	--	--
		9/12/2013	719.07	NM	18.50	700.57	--	--
		3/18/2014	719.07	NM	17.84	701.23	--	--
	RW-0203-S2A	2/10/2009	718.98	NM	18.66	693.21	--	--
		3/27/2009	718.98	NM	19.05	699.93	--	--
		4/7/2009	718.98	NM	16.48	702.50	--	--
		9/25/2009	718.98	26.20	20.38	698.60	--	--
		11/2/2009	718.98	NM	18.96	700.02	--	--
		4/30/2010	718.98	NM	17.55	701.43	--	--
		10/14/2010	718.98	NM	17.71	701.27	--	--
		5/9/2011	718.98	NM	18.44	700.54	--	--
		9/29/2011	718.98	NM	18.73	700.25	--	--
		3/27/2012	718.98	NM	18.40	700.58	--	--

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Table 1. Monitoring Well Gauging Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014, Allison Transmission, Inc., Speedway, Indiana

Area	Well	Date	Top of Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		9/20/2012	718.98	NM	17.57	701.41	--	--
		3/28/2013	718.98	25.88	17.17	701.81	--	--
		9/12/2013	718.98	NM	18.85	700.13	--	--
		3/18/2014	718.98	NM	17.75	701.23	--	--
	RW-0204-S2A	2/10/2009	719.26	NM	18.14	701.12	--	--
		3/27/2009	719.26	NM	18.26	701.00	--	--
		4/7/2009	719.26	NM	16.59	702.67	--	--
		9/25/2009	719.26	26.43	19.22	700.04	--	--
		11/2/2009	719.26	NM	18.20	701.06	--	--
		4/30/2010	719.26	NM	17.82	701.44	--	--
		10/14/2010	719.26	NM	17.88	701.38	--	--
		5/9/2011	719.26	NM	18.07	701.19	--	--
		9/29/2011	719.26	27.35	18.30	700.96	--	--
		3/27/2012	719.26	NM	18.11	701.15	--	--
		3/28/2013	719.26	27.15	17.25	702.01	--	--
		9/12/2013	719.26	NM	19.23	700.03	--	--
		3/18/2014	719.26	NM	18.21	701.05	--	--
	RW-0205-S2A	2/10/2009	718.97	NM	17.31	701.66	--	--
		3/27/2009	718.97	NM	18.10	700.87	--	--
		4/7/2009	718.97	NM	16.11	702.86	--	--
		9/25/2009	718.97	28.00	18.90	700.07	--	--
		11/2/2009	718.97	NM	17.71	701.26	--	--
		4/30/2010	718.97	31.07	17.61	701.36	--	--
		10/14/2010	718.97	NM	17.32	701.65	--	--
		5/9/2011	718.97	NM	17.89	701.08	--	--
		9/29/2011	718.97	NM	19.24	699.73	--	--
		3/27/2012	718.97	NM	17.36	701.61	--	--
		9/20/2012	718.97	NM	17.57	701.40	--	--
		3/28/2013	718.97	27.75	16.61	702.36	--	--
		9/12/2013	718.97	NM	18.31	700.66	--	--
		3/18/2014	718.97	NM	17.08	701.89	--	--
	RW-0501-S2B	2/10/2009	716.71	NM	22.61	694.10	--	--
		3/27/2009	716.71	NM	18.98	697.73	--	--
		4/7/2009	716.71	NM	18.68	698.03	--	--
		9/25/2009	716.71	NM	19.52	697.19	--	--
		11/2/2009	716.71	36.75	19.55	697.16	--	--
		4/30/2010	716.71	NM	19.90	696.81	--	--
		10/14/2010	716.71	NM	19.78	696.93	--	--
		5/9/2011	716.71	NM	17.81	698.90	--	--
		9/29/2011	716.71	32.91	23.55	693.16	--	--
		3/27/2012	716.71	32.70	23.71	693.00	--	--
		9/20/2012	716.71	NM	19.25	697.46	--	--
		3/28/2013	716.71	NM	23.40	693.31	--	--
		9/12/2013	716.71	NM	22.96	693.75	--	--
		3/18/2014	716.71	NM	22.56	694.15	--	--
	RW-0501-S3	2/10/2009	716.77	NM	24.08	692.69	--	--
		3/27/2009	716.77	NM	21.44	695.33	--	--
		4/7/2009	716.77	NM	23.02	693.75	--	--
		9/25/2009	716.77	NM	22.10	694.67	--	--
		11/2/2009	716.77	49.36	23.97	692.80	--	--
		8/3/2010	716.77	NM	21.64	695.13	--	--
		10/14/2010	716.77	NM	21.71	695.06	--	--
		5/9/2011	716.77	NM	20.97	695.80	--	--
		9/29/2011	716.77	46.95	23.88	692.89	--	--
		3/27/2012	716.77	51.05	21.90	694.87	--	--
		9/20/2012	716.77	NM	21.75	695.02	--	--
		3/28/2013	716.77	NM	22.80	693.97	--	--
		9/12/2013	716.77	NM	23.31	693.46	--	--
		3/18/2014	716.77	NM	22.56	694.21	--	--
	RW-0502-S2B	2/10/2009	718.56	NM	24.06	694.50	--	--
		3/27/2009	718.56	NM	20.15	698.41	--	--
		4/7/2009	718.56	NM	23.25	695.31	--	--
		9/25/2009	718.56	NM	20.90	697.66	--	--
		11/2/2009	718.56	35.90	23.65	694.91	--	--
		4/30/2010	718.56	NM	21.35	697.21	--	--
		10/14/2010	718.56	30.42	21.02	697.54	--	--
		5/9/2011	718.56	NM	19.80	698.76	--	--
		9/29/2011	718.05	NM	20.80	697.25	--	--
		3/27/2012	718.05	32.30	22.57	695.48	--	--
		9/20/2012	718.05	NM	23.00	695.05	--	--
		3/28/2013	718.05	NM	21.60	696.45	--	--
		9/12/2013	718.05	NM	22.33	695.72	--	--
		3/18/2014	718.05	NM	20.55	697.50	--	--
	RW-0602-S2A/S2B	2/10/2009	717.02	NM	19.93	697.09	--	--
		3/27/2009	717.02	NM	19.51	697.51	--	--
		4/7/2009	717.02	NM	19.04	697.98	--	--
		9/25/2009	717.02	NM	20.42	696.60	--	--
		11/2/2009	717.02	33.05	20.34	696.68	--	--
		4/30/2010	717.02	NM	18.80	698.22	--	--
		10/14/2010	717.02	NM	20.06	696.96	--	--
		5/9/2011	717.02	NM	16.39	700.63	--	--
		9/29/2011	717.02	33.90	19.78	697.24	--	--
		3/27/2012	717.02	32.80	23.71	693.31	--	--
		9/20/2012	717.02	NM	19.94	697.08	--	--

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Area	Well	Date	Top of Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		3/28/2013	717.02	NM	19.85	697.17	--	--
		9/12/2013	717.02	NM	20.34	696.68	--	--
		3/18/2014	717.02	NM	18.43	698.59	--	--
	RW-0602-S3	2/10/2009	717.09	NM	24.62	692.47	--	--
		3/27/2009	717.09	NM	24.38	692.71	--	--
		4/7/2009	717.09	NM	23.61	693.48	--	--
		9/25/2009	717.09	NM	24.79	692.30	--	--
		11/2/2009	717.09	43.27	24.76	692.33	--	--
		8/3/2010	717.09	NM	21.91	695.18	--	--
		10/14/2010	717.09	NM	22.03	695.06	--	--
		5/9/2011	717.09	NM	21.03	696.06	--	--
		9/29/2011	716.97	44.21	23.80	693.17	--	--
		3/27/2012	716.92	52.70	22.23	694.69	--	--
		9/20/2012	716.92	NM	25.12	691.80	--	--
		3/28/2013	716.92	NM	22.85	694.07	--	--
		9/12/2013	716.92	NM	22.80	694.12	--	--
		3/18/2014	716.92	NM	21.28	695.64	--	--
	RW-0603-S3	2/10/2009	718.29	NM	24.69	693.60	--	--
		3/27/2009	718.29	NM	23.05	695.24	--	--
		4/7/2009	718.29	NM	23.88	694.41	--	--
		9/25/2009	718.29	NM	25.30	693.00	25.29	0.01
		11/2/2009	718.29	54.28	23.90	694.39	--	--
		8/3/2010	718.29	NM	22.96	695.33	--	--
		10/14/2010	718.29	59.45	23.45	694.84	--	--
		5/9/2011	718.29	NM	22.39	695.90	--	--
		9/29/2011	718.29	NM	24.17	694.12	--	--
		3/27/2012	718.29	54.45	23.34	694.95	--	--
		9/20/2012	718.29	NM	24.70	693.59	--	--
		3/28/2013	718.29	NM	23.45	694.84	--	--
		9/12/2013	718.29	NM	24.36	693.93	--	--
		3/18/2014	718.29	NM	22.35	695.94	--	--
	RW-0604-S2B	2/10/2009	716.65	NM	20.21	696.44	--	--
		3/27/2009	716.65	NM	18.64	698.01	--	--
		4/7/2009	716.65	NM	21.29	695.36	--	--
		9/25/2009	716.65	NM	20.00	696.65	--	--
		11/2/2009	716.65	31.35	21.75	694.90	--	--
		4/30/2010	716.65	NM	19.42	697.23	--	--
		10/14/2010	716.65	NM	19.51	697.14	--	--
		5/9/2011	716.65	NM	20.11	696.54	--	--
		9/29/2011	716.45	31.72	22.16	694.29	--	--
		3/27/2012	716.45	31.70	20.86	695.59	--	--
		9/20/2012	716.45	NM	18.95	697.50	--	--
		3/28/2013	716.45	NM	20.43	696.02	--	--
		9/12/2013	716.45	NM	20.96	695.69	--	--
		3/18/2014	716.45	NM	18.77	697.68	--	--
	RW-0604-S3	2/10/2009	716.90	NM	25.02	691.88	--	--
		3/27/2009	716.90	NM	20.98	695.92	--	--
		4/7/2009	716.90	NM	23.48	693.42	--	--
		9/25/2009	716.90	NM	24.98	691.92	--	--
		11/2/2009	716.90	49.08	24.62	692.28	--	--
		8/3/2010	716.90	N/A	22.31	694.59	--	--
		10/14/2010	716.90	NM	21.44	695.46	--	--
		5/9/2011	716.90	NM	21.30	695.60	--	--
		9/29/2011	716.62	40.65	22.10	694.52	--	--
		3/27/2012	716.62	49.45	23.18	693.44	--	--
		9/20/2012	716.62	NM	21.51	695.11	--	--
		3/28/2013	716.62	NM	25.70	690.92	--	--
		9/12/2013	716.62	NM	24.97	691.65	--	--
		3/18/2014	716.62	NM	24.76	691.86	--	--
	RW-0605-S3	2/10/2009	719.07	NM	25.90	693.17	--	--
		3/27/2009	719.07	NM	25.98	693.09	--	--
		9/25/2009	719.07	43.50	27.12	691.95	--	--
		11/2/2009	719.07	NM	27.01	692.06	--	--
		8/3/2010	719.07	NM	26.41	692.66	--	--
		10/14/2010	719.07	NM	23.67	695.40	--	--
		5/9/2011	719.07	NM	23.70	695.37	--	--
		9/29/2011	719.07	NM	23.65	695.42	--	--
		3/27/2012	719.07	NM	23.40	695.67	--	--
		3/28/2013	719.07	43.80	25.14	693.93	--	--
		9/12/2013	719.07	NM	24.14	694.93	--	--
		3/18/2014	719.07	NM	22.31	696.76	--	--
	RW-1301-S2	3/18/2014		NM	16.22	698.50	--	--
AOI 53	MW-0203-S2A	3/20/2002	719.59	NM	20.70	698.89	--	--
		5/28/2002	719.59	NM	19.93	699.66	--	--
		8/13/2002	719.59	NM	21.37	698.22	--	--
		11/19/2002	719.59	NM	21.86	697.73	--	--
		5/22/2003	719.59	NM	19.80	699.79	--	--
		11/19/2003	719.59	NM	21.06	698.53	--	Globules
		5/18/2004	719.59	36.06	21.24	698.35	--	Globules
		6/24/2004	719.59	NM	20.26	699.33	--	Globules
		8/31/2004	719.59	NM	23.19	696.40	--	Globules
		9/30/2004	719.59	NM	20.66	698.93	--	Globules
		10/28/2004	719.59	NM	20.03	699.56	--	Globules

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Table 1. Monitoring Well Gauging Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014, Allison Transmission, Inc., Speedway, Indiana

Area	Well	Date	Top of Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		11/19/2004	719.59	36.03	20.85	698.74	--	Globules
		12/7/2004	719.59	NM	21.12	698.47	--	Globules
		1/31/2005	719.59	36.03	20.46	699.13	--	Globules
		2/24/2005	719.59	36.03	19.83	699.76	--	--
		3/29/2005	719.59	36.03	20.67	698.92	--	--
		4/28/2005	719.59	36.03	19.54	700.05	--	--
		5/31/2005	719.59	36.03	20.31	699.28	--	--
		6/29/2005	719.59	36.03	20.64	698.95	--	Globules
		7/29/2005	719.59	35.88	21.63	697.96	--	--
		8/31/2005	719.59	35.88	21.88	697.71	--	--
		9/30/2005	719.59	35.90	20.83	698.76	--	--
		10/31/2005	719.59	35.90	20.77	698.82	--	--
		11/29/2005	719.59	35.90	20.03	699.56	--	--
		12/22/2005	719.59	35.90	21.54	698.05	--	--
		1/31/2006	719.59	36.03	20.92	698.67	--	--
		2/28/2006	719.59	36.03	21.01	698.58	--	--
		3/30/2006	719.59	35.90	20.01	699.58	--	--
		4/10/2006	719.59	35.90	20.09	699.50	--	--
		4/28/2006	719.59	35.90	19.91	699.68	--	--
		5/30/2006	719.59	35.90	20.12	699.47	--	--
		6/26/2006	719.59	35.90	20.24	699.35	--	--
		8/29/2006	719.59	35.94	21.71	697.88	--	--
		9/26/2006	719.59	35.94	21.65	697.94	--	--
		10/18/2006	719.59	35.94	21.63	697.96	--	--
		11/23/2006	719.59	35.94	20.80	698.79	--	Sheen
		12/18/2006	719.59	35.94	20.45	699.14	--	--
		1/16/2007	719.59	35.94	18.59	701.00	--	--
		2/2/2007	719.59	35.74	18.37	701.22	--	--
		2/22/2007	719.59	35.74	18.13	701.46	--	--
		3/20/2007	719.59	35.74	18.53	701.06	--	--
		4/24/2007	719.59	35.74	18.78	700.81	--	--
		5/17/2007	719.59	35.74	20.01	699.58	--	--
		6/26/2007	719.59	35.74	22.34	697.25	--	--
		10/8/2007	719.59	35.80	22.61	696.98	--	--
		12/13/2007	719.59	35.82	22.23	697.36	--	--
		5/19/2008	719.59	35.76	20.34	699.25	--	--
		12/10/2008	719.59	NM	22.54	697.05	--	--
		4/7/2009	719.63	35.60	21.15	698.48	--	--
		9/25/2009	719.63	35.71	22.38	697.25	--	--
		11/2/2009	719.63	35.71	22.20	697.43	--	--
		2/22/2010	719.63	37.83	22.09	697.54	--	--
		4/30/2010	719.63	35.80	21.34	698.29	--	--
		8/23/2010	719.63	NM	21.61	698.02	--	--
		10/14/2010	719.63	35.75	22.63	697.00	--	--
		12/6/2010	719.63	36.00	22.69	696.94	--	--
		4/7/2011	719.63	Diver dpld	21.99	697.64	--	--
		5/9/2011	719.63	35.75	19.02	700.61	--	--
		7/13/2011	719.63	NM	21.91	697.72	--	--
		9/29/2011	719.63	23.90	22.43	697.20	--	--
		11/7/2011	719.63	NM	25.11	694.52	--	--
		3/27/2012	719.63	35.83	22.09	697.54	--	--
		9/20/2012	719.63	35.75	22.03	697.60	--	--
		11/14/2012	719.63	35.90	22.48	697.15	--	--
		3/28/2013	719.63	35.83	21.93	697.70	--	--
		9/12/2013	719.63	35.50	22.98	696.65	--	--
		3/18/2014	719.63	35.58	20.95	698.68	--	--
	MW-0205-S2A	5/23/2002	719.63	NM	16.84	702.79	--	--
		8/13/2002	719.63	NM	17.93	701.70	--	--
		11/19/2002	719.63	NM	17.68	701.95	--	--
		5/22/2003	719.63	NM	17.22	702.41	--	--
		5/18/2004	719.63	NM	17.86	701.77	--	--
		6/24/2004	719.63	NM	17.51	702.12	17.50	0.01
		8/31/2004	719.63	NM	16.80	702.83	16.78	0.02
		9/30/2004	719.63	NM	17.69	701.94	17.61	0.08
		10/28/2004	719.63	NM	17.28	702.35	17.18	0.10
		11/19/2004	719.63	25.85	17.88	701.75	17.82	0.06
		12/7/2004	719.63	NM	18.15	701.48	18.03	0.12
		1/31/2005	719.63	25.85	17.47	702.16	17.43	0.04
		2/24/2005	719.63	25.85	17.08	702.55	17.03	0.05
		3/29/2005	719.63	25.85	17.79	701.84	17.77	0.02
		4/28/2005	719.63	25.85	16.79	702.84	16.77	0.02
		5/31/2005	719.63	25.85	17.28	702.35	17.23	0.05
		6/29/2005	719.63	25.85	17.35	702.28	17.31	0.04
		7/29/2005	719.63	25.75	17.55	702.08	--	--
		8/31/2005	719.63	25.75	17.80	701.83	17.78	0.02
		9/30/2005	719.63	25.80	17.86	701.77	17.83	0.03
		10/31/2005	719.63	25.80	18.00	701.63	--	--
		11/29/2005	719.63	25.80	17.27	702.36	--	--
		12/22/2005	719.63	25.80	18.56	701.07	--	--
		1/31/2006	719.63	25.85	17.36	702.27	--	--
		2/28/2006	719.63	25.85	17.44	702.19	--	--
		3/30/2006	719.63	25.80	17.07	702.56	--	--
		4/10/2006	719.63	25.80	17.15	702.48	--	--
		4/28/2006	719.63	25.80	16.97	702.66	--	--
		5/30/2006	719.63	25.80	17.27	702.36	--	--
		6/26/2006	719.63	25.80	17.30	702.33	--	--
		8/29/2006	719.63	25.78	18.00	701.63	17.80	0.20
		9/26/2006	719.63	25.78	17.87	701.76	17.78	0.09
		10/18/2006	719.63	25.78	17.54	702.09	--	--

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Area	Well	Date	Top of Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		11/23/2006	719.63	25.78	17.42	702.21	–	Sheen
		12/18/2006	719.63	25.78	17.53	702.10	–	–
		1/16/2007	719.63	25.78	16.00	703.63	--	–
		2/2/2007	719.63	25.59	17.08	702.55	--	–
		2/22/2007	719.63	25.59	15.74	703.89	--	–
		3/20/2007	719.63	25.59	16.84	702.79	--	–
		4/24/2007	719.63	25.59	16.79	702.84	--	–
		5/17/2007	719.63	25.59	17.08	702.55	--	–
		6/26/2007	719.63	25.59	19.80	699.83	--	–
		10/8/2007	719.63	25.80	18.37	701.26	18.30	0.07
		12/13/2007	719.63	25.60	17.49	702.14	17.42	0.07
		5/19/2008	719.63	25.68	17.67	701.96	--	–
		12/10/2008	719.63	NM	18.04	701.59	--	–
		2/10/2009	719.63	25.50	18.23	701.61	17.98	0.25
		3/27/2009	719.63	25.68	18.54	701.29	18.30	0.24
		4/7/2009	719.63	25.62	17.08	702.59	17.03	0.05
		9/25/2009	719.63	25.60	20.32	699.31	18.58	1.74
		11/2/2009	719.63	NM	19.82	701.22	18.11	1.71
		12/18/2009	719.63	NM	18.56	701.07	17.46	1.10
		2/22/2010	719.63	NM	19.40	701.62	17.72	1.68
		3/23/2010	719.63	NM	19.66	701.48	17.83	1.83
		4/30/2010	719.63	NM	18.75	701.59	17.89	0.86
		5/24/2010	719.63	NM	19.63	701.65	17.63	2.00
		8/23/2010	719.63	NM	18.04	701.59	--	–
		10/14/2010	719.63	NM	20.05	701.09	18.22	1.83
		11/18/2010	719.63	NM	20.02	701.18	18.12	1.90
		12/6/2010	719.63	NM	18.94	701.51	17.95	0.99
		2/16/2011	719.63	25.68	19.75	701.48	17.81	1.94
		3/11/2011	719.63	25.65	19.36	702.34	16.86	2.50
		4/7/2011	719.63	25.65	19.87	701.33	17.97	1.90
		5/9/2011	719.63	NM	18.64	701.72	17.78	0.86
		6/3/2011	719.63	25.65	19.82	701.33	17.98	1.84
		7/13/2011	719.63	25.64	19.90	701.25	18.06	1.84
		8/3/2011	719.63	25.60	20.10	700.91	18.43	1.67
		9/29/2011	719.63	--	20.14	701.16	18.12	2.02
		11/7/2011	719.63	--	20.62	700.42	18.92	1.70
		12/8/2011	719.63	25.50	20.01	701.35	17.92	2.09
		3/27/2012	719.63	NM	19.95	701.36	17.92	2.03
		9/20/2012	719.63	25.60	20.90	699.56	18.22	2.68
		11/14/2012	719.63	25.60	19.93	701.46	17.80	2.13
		2/18/2013	719.63	25.56	19.61	701.67	17.62	1.99
		3/28/2013	719.63	25.60	19.62	701.75	17.51	2.11
		9/12/2013	719.63	25.55	21.13	700.30	18.95	2.18
		11/25/2013	719.63	25.56	20.21	701.03	18.26	1.95
		3/18/2014	719.63	NM	19.69	701.54	17.76	1.93
		5/15/2014	719.63	NM	19.05	701.62	17.79	1.26
		5/29/2014	719.63	NM	19.75	701.63	17.63	2.12
	MW-0206-S2A	5/23/2002	719.68	NM	17.54	702.14	--	–
		8/13/2002	719.68	NM	21.43	698.25	--	–
		11/19/2002	719.68	NM	22.03	697.65	--	–
		5/22/2003	719.68	NM	19.87	699.81	--	–
		11/19/2003	719.68	NM	21.20	698.48	--	–
		5/18/2004	719.68	38.25	21.33	698.35	--	–
		6/24/2004	719.68	NM	20.40	699.28	--	–
		8/31/2004	719.68	NM	23.05	696.63	--	–
		9/30/2004	719.68	NM	20.75	698.93	--	–
		10/28/2004	719.68	NM	20.17	699.51	--	–
		11/19/2004	719.68	38.25	20.94	698.74	--	–
		12/7/2004	719.68	NM	21.21	698.47	--	–
		1/31/2005	719.68	38.25	20.53	699.15	--	–
		2/24/2005	719.68	38.25	19.97	699.71	--	–
		3/29/2005	719.68	38.25	20.69	698.99	--	–
		4/28/2005	719.68	38.25	19.68	700.00	--	–
		5/31/2005	719.68	38.25	20.47	699.21	--	–
		6/29/2005	719.68	38.25	20.89	698.79	--	--
		7/29/2005	719.68	38.76	21.69	697.99	--	--
		8/31/2005	719.68	38.76	21.94	697.74	--	--
		9/30/2005	719.68	37.93	20.92	698.76	--	--
		10/31/2005	719.68	37.93	20.91	698.77	--	--
		11/29/2005	719.68	37.93	20.18	699.50	--	--
		12/22/2005	719.68	37.93	21.64	698.04	--	--
		1/31/2006	719.68	38.25	20.94	698.74	--	--
		2/28/2006	719.68	38.25	21.03	698.65	--	--
		3/30/2006	719.68	37.93	20.03	699.65	–	--
		4/10/2006	719.68	37.93	20.11	699.57	–	--
		4/28/2006	719.68	37.93	19.93	699.75	–	--
		5/30/2006	719.68	37.93	20.24	699.44	--	–
		6/26/2006	719.68	37.93	20.26	699.42	--	–
		9/26/2006	719.68	37.86	21.73	697.95	--	–
		10/18/2006	719.68	37.86	21.77	697.91	--	–
		11/23/2006	719.68	37.86	20.95	698.73	--	–
		12/18/2006	719.68	37.86	20.57	699.11	--	–
		1/16/2007	719.68	37.86	18.71	700.97	--	–
		2/2/2007	719.68	38.00	18.48	701.20	--	–
		2/22/2007	719.68	38.00	18.41	701.27	--	–
		3/20/2007	719.68	38.00	19.86	699.82	--	–
		4/24/2007	719.68	38.00	19.64	700.04	--	–
		5/17/2007	719.68	38.00	20.01	699.67	--	–
		6/26/2007	719.68	38.00	21.69	697.99	--	–

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Area	Well	Date	Top of Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		10/8/2007	719.68	37.92	22.29	697.39	--	--
		12/13/2007	719.68	38.02	22.39	697.29	--	--
		5/19/2008	719.68	38.24	20.39	699.29	--	--
		12/10/2008	719.68	NM	22.65	697.03	--	--
		4/7/2009	719.68	37.84	21.37	698.31	--	--
		9/25/2009	719.68	37.95	22.51	697.17	--	--
		11/2/2009	719.68	38.00	22.33	697.35	--	--
		2/22/2010	719.68	38.05	22.22	697.46	--	--
		4/30/2010	719.68	38.30	21.55	698.13	--	--
		8/23/2010	719.68	37.81	21.79	697.89	--	--
		10/14/2010	719.68	38.00	22.76	696.92	--	--
		12/6/2010	719.68	NM	22.80	696.88	--	--
		2/16/2011	719.68	38.06	23.02	696.66	--	--
		4/7/2011	719.68	38.08	21.12	698.56	--	--
		5/9/2011	719.68	38.15	19.13	700.55	--	--
		7/13/2011	719.68	38.05	22.04	697.64	--	--
		9/29/2011	719.68	38.25	22.58	697.10	--	--
		11/7/2011	719.68	38.15	22.82	696.86	--	--
		3/27/2012	719.68	38.25	22.11	697.57	--	--
		11/14/2012	719.68	38.00	22.64	697.04	--	--
		3/28/2013	719.68	38.18	22.10	697.58	--	--
		9/12/2013	719.68	37.85	23.14	696.54	--	--
		3/18/2014	719.68	38.01	21.10	698.58	--	--
	MW-0207-S2B	5/23/2002	719.66	NM	17.50	702.16	--	--
		8/13/2002	719.66	NM	21.32	698.34	--	--
		11/19/2002	719.66	NM	21.94	697.72	--	--
		5/22/2003	719.66	NM	19.82	699.84	--	--
		11/19/2003	719.66	NM	21.09	698.57	--	--
		5/18/2004	719.66	33.50	21.25	698.41	--	--
		6/24/2004	719.66	NM	20.31	699.35	--	--
		8/31/2004	719.66	NM	22.96	696.70	--	--
		9/30/2004	719.66	NM	20.67	698.99	--	--
		10/28/2004	719.66	NM	20.08	699.58	--	--
		11/19/2004	719.66	33.50	20.86	698.80	--	--
		12/7/2004	719.66	NM	21.13	698.53	--	--
		1/31/2005	719.66	33.50	20.45	699.21	--	--
		2/24/2005	719.66	33.50	19.88	699.78	--	--
		3/29/2005	719.66	33.50	20.61	699.05	--	--
		4/28/2005	719.66	33.50	19.59	700.07	--	--
		5/31/2005	719.66	33.50	20.38	699.28	--	--
		6/29/2005	719.66	33.50	20.81	698.85	--	--
		7/29/2005	719.66	33.56	21.63	698.03	--	--
		8/31/2005	719.66	33.56	21.88	697.78	--	--
		9/30/2005	719.66	33.56	20.84	698.82	--	--
		10/31/2005	719.66	33.56	20.82	698.84	--	--
		11/29/2005	719.66	33.56	20.09	699.57	--	--
		12/22/2005	719.66	33.56	21.55	698.11	--	--
		1/31/2006	719.66	33.50	20.97	698.69	--	--
		2/28/2006	719.66	33.50	21.07	698.59	--	--
		3/30/2006	719.66	37.93	20.03	699.63	--	--
		4/10/2006	719.66	33.56	20.14	699.52	--	--
		4/28/2006	719.66	33.56	19.96	699.70	--	--
		5/30/2006	719.66	33.56	20.27	699.39	--	--
		6/26/2006	719.66	33.56	20.29	699.37	--	--
		8/29/2006	719.66	33.33	21.71	697.95	--	--
		9/26/2006	719.66	33.33	21.67	697.99	--	--
		10/18/2006	719.66	33.33	21.69	697.97	--	--
		11/29/2006	719.66	33.33	20.86	698.80	--	--
		12/18/2006	719.66	33.33	20.49	699.17	--	--
		1/16/2007	719.66	33.33	18.65	701.01	--	--
		2/2/2007	719.66	33.34	18.47	701.19	--	--
		2/22/2007	719.66	33.34	18.33	701.33	--	--
		3/20/2007	719.66	33.34	18.78	700.88	--	--
		4/24/2007	719.66	33.34	18.84	700.82	--	--
		5/17/2007	719.66	33.34	20.04	699.62	--	--
		6/26/2007	719.66	33.34	21.55	698.11	--	--
		10/8/2007	719.66	33.54	22.69	696.97	--	--
		12/13/2007	719.66	33.57	22.47	697.19	--	--
		5/19/2008	719.66	33.46	20.29	699.37	--	--
		12/10/2008	719.66	NM	22.62	697.04	--	--
		4/7/2009	719.66	33.37	21.21	698.45	--	--
		9/25/2009	719.66	33.43	22.55	697.11	--	--
		11/2/2009	719.66	33.41	22.33	697.33	--	--
		2/22/2010	719.66	33.50	22.12	697.54	--	--
		4/30/2010	719.66	33.60	21.34	698.32	--	--
		8/23/2010	719.66	33.55	21.67	697.99	--	--
		10/14/2010	719.66	33.45	22.67	696.99	--	--
		12/6/2010	719.66	NM	22.40	697.26	--	--
		2/16/2011	719.66	33.60	22.87	696.79	--	--
		4/7/2011	719.66	33.60	21.08	698.58	--	--
		5/9/2011	719.66	33.33	19.04	700.62	--	--
		7/13/2011	719.66	33.55	21.91	697.75	--	--
		9/29/2011	719.66	33.50	22.46	697.20	--	--
		11/7/2011	719.66	33.35	22.71	696.95	--	--
		3/27/2012	719.66	33.53	22.11	697.55	--	--
		9/20/2012	719.66	24.08	22.06	697.60	--	--
		11/14/2012	719.66	33.60	22.50	697.16	--	--
		3/28/2013	719.66	33.51	21.94	697.72	--	--
		9/12/2013	719.66	35.28	23.00	696.66	--	--

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Table 1. Monitoring Well Gauging Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014, Allison Transmission, Inc., Speedway, Indiana

Area	Well	Date	Top of Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		3/18/2014	719.66	33.28	20.98	698.68	--	--
	MW-0208-S2A	5/23/2002	719.59	NM	17.56	702.03	--	--
		8/13/2002	719.59	NM	21.35	698.24	--	--
		11/19/2002	719.59	NM	21.91	697.68	--	--
		5/22/2003	719.59	NM	19.78	699.81	--	--
		11/19/2003	719.59	NM	21.10	698.49	--	--
		5/18/2004	719.59	35.18	21.23	698.36	--	--
		6/24/2004	719.59	NM	20.29	699.30	--	--
		8/31/2004	719.59	NM	22.97	696.62	--	--
		9/30/2004	719.59	NM	20.65	698.94	--	--
		10/28/2004	719.59	NM	20.11	699.48	--	--
		11/19/2004	719.59	35.18	20.84	698.75	--	--
		12/7/2004	719.59	NM	21.11	698.48	--	--
		1/31/2005	719.59	35.18	20.44	699.15	--	--
		2/24/2005	719.59	35.18	19.91	699.68	--	--
		3/29/2005	719.59	35.18	20.58	699.01	--	--
		4/28/2005	719.59	35.18	19.62	699.97	--	--
		5/31/2005	719.59	35.18	20.41	699.18	--	--
		6/29/2005	719.59	35.18	20.89	698.70	--	--
		7/29/2005	719.59	35.29	21.56	698.03	--	--
		8/31/2005	719.59	35.29	21.81	697.78	--	--
		9/30/2005	719.59	35.23	20.82	698.77	--	--
		10/31/2005	719.59	35.23	20.78	698.81	--	--
		11/29/2005	719.59	35.23	20.07	699.52	--	--
		12/22/2005	719.59	35.23	21.52	698.07	--	--
		1/31/2006	719.59	35.18	21.00	698.59	--	--
		2/28/2006	719.59	35.18	21.09	698.50	--	--
		3/30/2006	719.59	35.23	20.16	699.43	--	--
		4/10/2006	719.59	35.23	20.20	699.39	--	--
		4/28/2006	719.59	35.23	20.02	699.57	--	--
		5/30/2006	719.59	35.23	20.38	699.21	--	--
		6/26/2006	719.59	35.23	20.35	699.24	--	--
		8/29/2006	719.59	35.08	21.68	697.91	--	--
		9/26/2006	719.59	35.08	21.65	697.94	--	--
		10/18/2006	719.59	35.08	21.64	697.95	--	--
		11/23/2006	719.59	35.08	20.84	698.75	--	--
		12/18/2006	719.59	35.08	20.48	699.11	--	--
		1/16/2007	719.59	35.08	19.61	699.98	--	--
		2/2/2007	719.59	35.11	18.38	701.21	--	--
		2/22/2007	719.59	35.11	19.12	700.47	--	--
		3/20/2007	719.59	35.11	20.34	699.25	--	--
		4/24/2007	719.59	35.11	19.88	699.71	--	--
		5/17/2007	719.59	35.11	20.12	699.47	--	--
		6/26/2007	719.59	35.11	22.61	696.98	--	--
		10/8/2007	719.59	35.27	22.66	696.93	--	--
		12/13/2007	719.59	35.33	22.40	697.19	--	--
		5/19/2008	719.59	35.22	20.19	699.40	--	--
		12/10/2008	719.59	NM	22.63	696.96	--	--
		4/7/2009	719.59	35.14	21.23	698.36	--	--
		9/25/2009	719.59	35.18	22.47	697.12	--	--
		11/2/2009	719.59	35.20	22.24	697.35	--	--
		2/22/2010	719.59	35.28	22.15	697.44	--	--
		4/30/2010	719.59	35.30	21.45	698.14	--	--
		8/23/2010	719.59	35.40	21.64	697.95	--	--
		10/14/2010	719.59	35.18	22.65	696.94	--	--
		12/6/2010	719.59	NM	22.68	696.91	--	--
		2/16/2011	719.59	35.35	22.86	696.73	--	--
		4/7/2011	719.59	35.30	21.07	698.52	--	--
		7/13/2011	719.59	35.33	21.92	697.67	--	--
		9/29/2011	719.59	35.30	22.40	697.19	--	--
		11/7/2011	719.59	35.11	22.71	696.88	--	--
		3/27/2012	719.59	35.30	22.11	697.48	--	--
		9/20/2012	719.59	35.20	22.06	697.53	--	--
		11/14/2012	719.59	35.40	22.50	697.09	--	--
		3/28/2013	719.59	35.33	21.93	697.66	--	--
		9/12/2013	719.59	35.14	23.00	696.59	--	--
		3/18/2014	719.59	35.07	20.98	698.61	--	--
AOI 54	MW-7-S2	6/18/1992			12.10			
		12/17/2001	715.24	NM	18.69	696.55	--	--
		3/14/2002	715.24	NM	13.85	701.39	--	--
		5/23/2003	715.24	NM	14.11	701.13	--	--
		11/19/2003	715.24	NM	13.39	701.85	--	--
		5/19/2004	715.24	NM	13.70	701.54	--	--
		11/19/2004	715.24	19.73	13.31	701.93	--	--
		6/30/2005	715.24	19.73	13.21	702.03	--	--
		12/6/2005	715.24	19.73	14.28	700.96	--	--
		2/28/2006	715.24	19.62	14.24	701.00	--	--
		4/10/2006	715.24	19.73	14.27	700.97	--	--
		2/2/2007	715.24	19.63	13.93	701.31	--	--
		4/7/2009	715.29	19.65	13.00	702.29	--	--
		9/25/2009	715.29	19.68	14.22	701.07	--	--
		11/2/2009	715.29	19.71	14.04	701.25	--	--
		10/14/2010	715.29	19.65	14.17	701.12	--	--
		9/29/2011	715.29	19.80	14.30	700.99	--	--
		3/27/2012	715.29	19.80	14.03	701.26	--	--
		9/20/2012	715.29	19.75	14.57	700.72	--	--
		3/28/2013	715.29	19.81	14.01	701.28	--	--
		9/12/2013	715.29	19.61	14.65	700.64	--	--

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Table 1. Monitoring Well Gauging Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014, Allison Transmission, Inc., Speedway, Indiana

Area	Well	Date	Top of Casing Elevation (ft)	Measured Well Depth (ft)	Depth to Water (ft)	Groundwater Elevation (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)
		3/18/2014	715.29	19.64	14.31	700.98	--	--
AOI 57	MW-0639-S2A	4/7/2009	716.12	22.27	14.51	701.61	--	--
		9/25/2009	716.12	22.25	15.82	700.30	--	--
		11/2/2009	716.12	22.25	15.36	700.76	--	--
		3/27/2012	716.12	22.37	15.25	700.87	--	--
		9/20/2012	716.12	22.35	15.81	700.31	--	--
		3/28/2013	716.12	22.41	15.44	700.68	--	--
		9/12/2013	716.12	22.38	16.12	700.00	--	--
		3/18/2014	716.12	22.20	15.47	700.65	--	--
AOI 64	L_EAGLE CR_MICH_ST	9/29/2011	719.32	NM	22.53	696.79	--	--
		3/27/2012	719.32	NM	22.45	696.87	--	--
		9/20/2012	719.32	NM	22.75	696.57	--	--
		3/28/2013	719.32	NM	22.45	696.87	--	--
		9/12/2013	719.32	NM	22.73	696.59	--	--
		3/18/2014	719.32	NM	22.65	696.67	--	--
	MW-1003-S3	10/14/2010	719.76	55.82	24.91	694.85	--	--
		9/29/2011	719.76	54.84	25.41	694.35	--	--
		3/27/2012	719.76	54.80	24.02	695.74	--	--
		9/20/2012	719.76	54.63	24.42	695.34	--	--
		3/28/2013	719.76	54.75	23.90	695.86	--	--
		9/12/2013	719.76	54.84	25.05	694.71	--	--
		3/18/2014	719.76	54.61	22.23	697.53	--	--
	SB-64-1001	10/14/2010	713.80	NM	16.44	697.36	--	--
		9/29/2011	713.80	34.22	16.02	701.35	--	--
		3/27/2012	713.80	33.90	15.50	698.30	--	--
		9/20/2012	713.80	34.05	15.88	697.92	--	--
		3/28/2013	713.80	34.10	15.41	698.39	--	--
		9/12/2013	713.80	34.60	30.08	683.72	--	--
		3/18/2014	713.80	33.66	15.00	698.80	--	--
	SB-64-1006	10/14/2010	717.37	NM	20.86	696.51	--	--
		9/29/2011	717.37	36.56	20.52	693.28	--	--
		3/27/2012	717.37	36.20	19.70	697.67	--	--
		9/20/2012	717.37	19.90	36.32	681.05	--	--
		3/28/2013	717.37	36.45	18.72	698.65	--	--
		9/12/2013	717.37	36.48	20.74	696.63	--	--
		3/18/2014	717.37	36.25	19.19	698.18	--	--

NOTES:
1.) Total Well Depth and Depth to Water measurements recorded from Top of Casing.
2.) Elevations referenced to mean sea level
3.) LNAPL - non-aqueous phase liquid
4.) -- - No measurable LNAPL present in well
5.) NM - Parameter Not Measured.
6.) Diver dpld - diver deployed

AOI	Location ID	Sample Date	Field Duplicate (FD)	Chemical Name / Unit / Depth Interval (ft bgs)	1,1-Dichloroethene mg/L	Carbon tetrachloride mg/L	cis-1,2-Dichloroethene mg/L	Methylene chloride mg/L	Tetrachloroethene mg/L	trans-1,2-Dichloroethene mg/L	Trichloroethene mg/L	Vinyl chloride mg/L
AOI_26	MW-0630-S3	1/29/2007			< 0.005 U	< 0.005 U	0.0013 J	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_26	MW-0630-S3	10/9/2007			< 0.005 U	< 0.005 U	0.0128	< 0.005 UJ	< 0.005 U	< 0.005 U	< 0.005 U	**0.0031**
AOI_26	MW-0630-S3	5/15/2008			< 0.005 U	< 0.005 U	0.0058	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.005 U	< 0.002 U
AOI_26	MW-0630-S3	10/29/2008			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_26	MW-0630-S3	1/14/2014			< 0.005 U	< 0.005 U	0.006	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_40	MW-24-S2A	8/30/1995			< 0.005 U	< 0.005 U	< 0.005 U	< 0.01 U		< 0.005 U	< 0.005 U	< 0.005 U
AOI_40	MW-24-S2A	9/28/2000			< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.02 U
AOI_40	MW-24-S2A	7/23/2001	FD		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_40	MW-24-S2A	7/23/2001			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_40	MW-24-S2A	3/14/2002	FD		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_40	MW-24-S2A	3/14/2002			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_40	MW-24-S2A	8/14/2002			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_40	MW-24-S2A	5/22/2003			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_40	MW-24-S2A	11/20/2003			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_40	MW-24-S2A	5/17/2004			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_40	MW-24-S2A	11/12/2004			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_40	MW-24-S2A	6/28/2005			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_40	MW-24-S2A	1/10/2006			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_40	MW-24-S2A	5/13/2008			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_40	MW-24-S2A	4/10/2009			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_40	MW-24-S2A	5/21/2010			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_40	MW-24-S2A	7/19/2010			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_40	MW-24-S2A	5/6/2011			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_40	MW-24-S2A	9/29/2011			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_40	MW-24-S2A	4/11/2012			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_40	MW-24-S2A	4/3/2014			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0102-S2	5/17/2001			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0102-S2	11/2/2001			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0102-S2	5/22/2003			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0102-S2	11/20/2003			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0102-S2	5/17/2004			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0102-S2	11/12/2004			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0102-S2	6/28/2005			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0102-S2	1/11/2006			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0102-S2	5/13/2008			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0102-S2	10/28/2008	FD		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0102-S2	10/28/2008			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0102-S2	4/6/2009			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0102-S2	8/5/2009	FD		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0102-S2	8/5/2009			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0102-S2	5/21/2010			< 0.005 U	< 0.005 U	0.024	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.0436**
AOI_51	MW-0102-S2	7/19/2010	FD		< 0.005 U	< 0.005 U	0.0034 J	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0102-S2	7/19/2010			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0102-S2	8/9/2010			< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0102-S2	11/1/2010			< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.0027**
AOI_51	MW-0102-S2	2/3/2011		31-32.5	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0102-S2	2/3/2011		29.5-31	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0102-S2	2/3/2011		28-29.5	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0102-S2	2/3/2011		26.5-28	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0102-S2	2/3/2011		25-26.5	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0102-S2	2/3/2011		32.5-34	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0102-S2	5/6/2011			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0102-S2	9/29/2011	FD		< 0.005 U	< 0.005 U	**0.143**	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.0697**
AOI_51	MW-0102-S2	9/29/2011			< 0.005 U	< 0.005 U	**0.148**	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.0725**
AOI_51	MW-0102-S2	3/22/2012	FD		< 0.005 U	< 0.005 U	0.0166	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.0026**
AOI_51	MW-0102-S2	3/22/2012		24.5-26.5	< 0.005 U	< 0.005 U	0.0298	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.0061**
AOI_51	MW-0102-S2	3/22/2012		32.5-34	< 0.005 U	< 0.005 U	0.0154	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.0023**
AOI_51	MW-0102-S2	3/22/2012		31-32.5	< 0.005 U	< 0.005 U	0.0158	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.0025**
AOI_51	MW-0102-S2	3/22/2012		29.5-31	< 0.005 U	< 0.005 U	0.016	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.0024**
AOI_51	MW-0102-S2	3/22/2012		28-29.5	< 0.005 U	< 0.005 U	0.0156	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0102-S2	3/22/2012		26.5-28	< 0.005 U	< 0.005 U	0.0161	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.0029**
AOI_51	MW-0102-S2	10/5/2012			< 0.005 U	< 0.005 U	0.0262	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0102-S2	4/18/2013	FD		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0102-S2	4/18/2013			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0102-S2	10/1/2013	FD		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0102-S2	10/1/2013			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0102-S2	4/3/2014	FD		< 0.005 U	< 0.005 U	**0.0726**	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.0425**
AOI_51	MW-0102-S2	4/3/2014			< 0.005 U	< 0.005 U	0.0685	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.0394**
AOI_51	MW-0108-S2B	11/1/2001			< 0.005 U	< 0.005 U	0.055	< 0.005 U	**16**	< 0.005 U	**0.8**	**0.0044**
AOI_51	MW-0108-S2B	3/18/2002			< 0.005 U	< 0.005 U	**0.075**	< 0.005 U	**14**	< 0.005 U	**0.63**	**0.0076**
AOI_51	MW-0108-S2B	8/14/2002			< 0.005 U	< 0.005 U	**0.11**	< 0.25 U	**8.6**	< 0.005 U	**0.71**	**0.0058**

AOI	Location ID	Sample Date	Field Duplicate (FD)	Chemical Name / Unit / Depth Interval (ft bgs)	1,1-Dichloroethene mg/L	Carbon tetrachloride mg/L	cis-1,2-Dichloroethene mg/L	Methylene chloride mg/L	Tetrachloroethene mg/L	trans-1,2-Dichloroethene mg/L	Trichloroethene mg/L	Vinyl chloride mg/L
AOI_51	MW-0108-S2B	5/22/2003	FD		< 0.005 U	< 0.005 U	0.043	< 0.005 U	9.7	< 0.005 U	0.42	< 0.002 U
AOI_51	MW-0108-S2B	5/22/2003			< 0.005 U	< 0.005 U	0.048	< 0.005 U	7.4	< 0.005 U	0.43	< 0.002 U
AOI_51	MW-0108-S2B	11/20/2003			< 0.005 U	< 0.005 U	0.086	< 0.005 U	2.1	< 0.005 U	0.85	< 0.002 U
AOI_51	MW-0108-S2B	5/18/2004	FD		< 0.005 U	< 0.005 U	0.03	< 0.005 U	12	< 0.005 U	0.25	0.019
AOI_51	MW-0108-S2B	5/18/2004			< 0.005 U	< 0.005 U	0.027	< 0.005 U	14	< 0.005 U	0.22	0.019
AOI_51	MW-0108-S2B	11/17/2004			0.0053	< 0.005 U	0.023	< 0.005 U	9	< 0.005 U	0.47	0.022
AOI_51	MW-0108-S2B	11/18/2004	FD		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.011	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0108-S2B	6/29/2005	FD		< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U	8.4	< 0.25 U	0.58	< 0.1 U
AOI_51	MW-0108-S2B	6/29/2005			< 0.005 U	< 0.005 U	0.12	< 0.005 U	9	< 0.005 U	0.65	0.025
AOI_51	MW-0108-S2B	1/23/2006			< 0.005 U	< 0.005 U	0.032	< 0.005 UJ	4.7	< 0.005 U	0.28	0.019
AOI_51	MW-0108-S2B	5/20/2010			< 0.005 U	< 0.005 U	0.0645	< 0.005 U	0.633	< 0.005 U	0.412	< 0.002 U
AOI_51	MW-0108-S2B	5/6/2011			< 0.005 U	< 0.005 U	0.083	< 0.005 U	0.701	< 0.005 U	0.473	< 0.002 U
AOI_51	MW-0108-S2B	9/29/2011			< 0.005 U	< 0.005 U	0.092	< 0.005 U	0.66	< 0.005 U	0.597	< 0.002 U
AOI_51	MW-0108-S2B	4/11/2012			< 0.005 U	< 0.005 U	0.114	< 0.005 U	0.805	< 0.005 U	0.649	< 0.002 U
AOI_51	MW-0108-S2D	10/5/2012			< 0.005 U	< 0.005 U	0.137	< 0.005 U	0.273	< 0.005 U	0.309	< 0.002 U
AOI_51	MW-0108-S2B	4/18/2013			< 0.005 U	< 0.005 U	0.0976	< 0.005 U	0.526	< 0.005 U	0.468	< 0.002 U
AOI_51	MW-0108-S2B	10/1/2013			< 0.005 U	< 0.005 U	0.125	< 0.005 U	0.279	< 0.005 U	0.395	< 0.002 U
AOI_51	MW-0108-S2B	4/3/2014			< 0.005 U	< 0.005 U	0.116	< 0.005 U	0.325	< 0.005 U	0.365	< 0.002 U
AOI_51	MW-0202-S2B	11/11/2004			< 0.005 U	< 0.005 UJ	0.015	< 0.005 U	0.011 J	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0202-S2B	1/31/2005			< 0.005 U	< 0.005 U	0.012	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0202-S2B	6/28/2005			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0202-S2B	1/11/2006			< 0.005 U	< 0.005 U	0.011	< 0.005 U	< 0.005 U	0.0013 J	< 0.005 U	0.0034
AOI_51	MW-0202-S2B	6/21/2007	FD		< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0202-S2B	6/21/2007			< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0202-S2B	5/13/2008			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0202-S2B	10/28/2008			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0202-S2B	4/10/2009			< 0.005 U	< 0.005 U	0.01	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0034
AOI_51	MW-0202-S2B	5/21/2010			< 0.005 U	< 0.005 U	0.0055	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0202-S2D	11/1/2010			< 0.005 U	< 0.005 UJ	0.0037 J	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0202-S2B	5/6/2011	FD		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0202-S2B	5/6/2011			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0202-S2B	9/29/2011			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0202-S2B	4/11/2012	FD		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0202-S2B	4/11/2012			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0202-S2B	10/5/2012			< 0.005 U	< 0.005 U	0.0051	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0202-S2B	4/18/2013			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0202-S2B	10/1/2013			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0202-S2B	4/3/2014			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0404-S2B	2/26/2004			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0404-S2B	5/17/2004			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0404-S2B	11/12/2004			0.0082	< 0.005 U	0.024	< 0.005 U	0.35	< 0.005 U	< 0.005 U	0.0042
AOI_51	MW-0404-S2B	5/14/2008			< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	8.53	< 0.05 U	0.266	< 0.02 U
AOI_51	MW-0404-S2D	5/20/2010			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0473 J	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0404-S2B	5/6/2011			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.157	< 0.005 U	0.0128	< 0.002 U
AOI_51	MW-0404-S2B	9/29/2011			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0233	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0404-S2B	4/11/2012			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0189	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0404-S2B	10/5/2012			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0121	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0404-S2B	4/18/2013			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0788	< 0.005 U	0.0097	< 0.002 U
AOI_51	MW-0404-S2B	10/1/2013			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0216	< 0.005 U	0.0021 J	< 0.002 U
AOI_51	MW-0404-S2B	4/3/2014			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0406-S2B	2/26/2004			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0406-S2B	5/18/2004			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0034
AOI_51	MW-0406-S2B	11/17/2004			< 0.005 U	< 0.005 U	< 0.005 U	0.0052	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0406-S2B	6/29/2005			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0406-S2B	1/13/2006			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0406-S2B	6/20/2007			< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0406-S2B	5/14/2008			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0406-S2B	10/29/2008			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0406-S2B	4/10/2009	FD		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0073	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0406-S2B	4/10/2009			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0072	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0406-S2B	5/20/2010			< 0.005 U	< 0.005 U	0.0074	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0406-S2B	11/1/2010			0.0027 J	< 0.005 U	0.0035 J	< 0.005 U	0.0026 J	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0406-S2B	5/6/2011	FD		< 0.005 U	< 0.005 U	0.0226	< 0.005 U	0.0074	< 0.005 U	< 0.005 U	0.0044
AOI_51	MW-0406-S2B	5/6/2011			< 0.005 U	< 0.005 U	0.0208	< 0.005 U	0.0067	< 0.005 U	< 0.005 U	0.004
AOI_51	MW-0406-S2B	9/29/2011			< 0.005 U	< 0.005 U	0.165	< 0.005 U	0.0115	< 0.005 U	0.0053	0.0161
AOI_51	MW-0406-S2B	4/11/2012	FD		< 0.005 U	< 0.005 U	0.075	< 0.005 U	0.196	< 0.005 U	0.051	< 0.002 U
AOI_51	MW-0406-S2B	4/11/2012			< 0.005 U	< 0.005 U	0.072	< 0.005 U	0.185	< 0.005 U	0.0494	< 0.002 U
AOI_51	MW-0406-S2B	10/5/2012			< 0.005 U	< 0.005 U	0.013	< 0.005 U	0.118	< 0.005 U	0.053	< 0.002 U
AOI_51	MW-0406-S2B	4/18/2013			< 0.005 U	< 0.005 U	0.0061	< 0.005 U	0.215	< 0.005 U	0.0361	< 0.002 U
AOI_51	MW-0406-S2B	10/1/2013			< 0.005 U	< 0.005 U	0.0067	< 0.005 U	0.116	< 0.005 U	0.0329	< 0.002 U
AOI_51	MW-0406-S2B	4/3/2014			< 0.005 U	< 0.005 U	0.0045 J	< 0.005 U	0.203	< 0.005 U	0.0398	< 0.002 U

AOI	Location ID	Sample Date	Field Duplicate (FD)	Chemical Name / Unit / Depth Interval (ft bgs)	1,1-Dichloroethene mg/L	Carbon tetrachloride mg/L	cis-1,2-Dichloroethene mg/L	Methylene chloride mg/L	Tetrachloroethene mg/L	trans-1,2-Dichloroethene mg/L	Trichloroethene mg/L	Vinyl chloride mg/L
AOI_51	MW-0409-S3	1/19/2005			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0409-S3	6/28/2005			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0409-S3	1/11/2006			< 0.005 U	< 0.005 U	0.0011 J	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.0055**
AOI_51	MW-0409-S3	5/14/2008			< 0.005 U	< 0.005 U	0.007	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.0179**
AOI_51	MW-0409-S3	10/29/2008			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.0042**
AOI_51	MW-0409-S3	5/20/2010			< 0.005 U	< 0.005 U	0.0192	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.005 U	**0.0276**
AOI_51	MW-0409-S3	5/6/2011			< 0.005 U	< 0.005 U	0.0358	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.0154**
AOI_51	MW-0409-S3	9/29/2011			< 0.005 U	< 0.005 UJ	0.0262	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.0159**
AOI_51	MW-0409-S3	4/11/2012			< 0.005 U	< 0.005 U	0.0427	< 0.005 U	< 0.005 U	< 0.005 U	**0.0097**	**0.0148**
AOI_51	MW-0409-S3	10/5/2012			< 0.005 U	< 0.005 U	0.0207	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.0096**
AOI_51	MW-0409-S3	4/18/2013			< 0.005 U	< 0.005 U	0.0257	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.0068**
AOI_51	MW-0409-S3	10/1/2013			< 0.005 U	< 0.005 U	0.0635	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.0132**
AOI_51	MW-0409-S3	4/3/2014			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0414-S2A/S2B	1/21/2005			< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U	**13**	< 0.25 U	**0.47**	< 0.1 U
AOI_51	MW-0414-S2A/S2B	6/29/2005			< 0.005 U	< 0.005 U	**0.37**	< 0.005 U	**0.39**	< 0.005 U	**0.12**	< 0.002 U
AOI_51	MW-0414-S2A/S2B	1/25/2006			< 0.005 U	< 0.005 U	0.023	< 0.005 UJ	**0.35**	< 0.005 U	**0.067**	< 0.002 U
AOI_51	MW-0414-S2A/S2B	5/15/2008			< 0.005 U	< 0.005 U	0.0099	< 0.005 U	**0.793**	< 0.005 U	**0.157**	< 0.002 U
AOI_51	MW-0414-S2A/S2B	5/20/2010			< 0.005 U	< 0.005 U	0.0134	< 0.005 U	**2.2 J**	< 0.005 U	**0.178**	< 0.002 U
AOI_51	MW-0414-S2A/S2B	5/6/2011			< 0.005 U	< 0.005 U	0.0334	< 0.005 U	**1.31**	< 0.005 U	**0.173**	< 0.002 U
AOI_51	MW-0414-S2A/S2B	9/29/2011			< 0.005 U	< 0.005 U	0.0191	< 0.005 U	**0.843**	< 0.005 U	**0.0973**	< 0.002 U
AOI_51	MW-0414-S2A/S2B	4/11/2012			< 0.005 U	< 0.005 U	0.0192	< 0.005 U	**0.55**	< 0.005 U	**0.0579**	< 0.002 U
AOI_51	MW-0414-S2A/S2B	10/5/2012			< 0.005 U	< 0.005 U	0.0308	< 0.005 U	**2.86**	< 0.005 U	**0.184**	< 0.002 U
AOI_51	MW-0414-S2A/S2B	4/18/2013			< 0.005 U	< 0.005 U	0.0509	< 0.005 U	**0.966**	< 0.005 U	**0.15**	< 0.002 U
AOI_51	MW-0414-S2A/S2B	10/1/2013			< 0.005 U	< 0.005 U	0.0492	< 0.005 U	**0.481**	< 0.005 U	**0.0622**	< 0.002 U
AOI_51	MW-0414-S2A/S2B	4/3/2014			< 0.005 U	< 0.005 U	0.0415	< 0.005 U	**1.99**	< 0.005 U	**0.16**	< 0.002 U
AOI_51	MW-0416-S2A	1/21/2005			< 0.005 U	< 0.005 U	0.045	< 0.005 U	**0.025**	< 0.005 U	**0.0097**	**0.02**
AOI_51	MW-0416-S2A	6/29/2005			< 0.005 U	< 0.005 U	**0.15**	< 0.005 U	**0.011**	< 0.005 U	< 0.005 U	**0.04**
AOI_51	MW-0416-S2A	5/15/2008			< 0.005 U	< 0.005 U	0.0039 J	< 0.005 U	**0.0174**	< 0.005 U	0.004 J	**0.0055**
AOI_51	MW-0416-S2A	5/21/2010			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.005 U	**0.014**
AOI_51	MW-0416-S2A	5/21/2010			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.005 U	**0.0024**
AOI_51	MW-0416-S2A	11/1/2010			< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.0058**
AOI_51	MW-0416-S2A	5/6/2011			< 0.005 U	< 0.005 U	0.0424	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.0043**
AOI_51	MW-0416-S2A	9/29/2011			< 0.005 U	< 0.005 U	0.005	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.0075**
AOI_51	MW-0416-S2A	4/11/2012			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0416-S2A	10/5/2012			< 0.005 U	< 0.005 U	0.0064	< 0.005 U	**0.0152**	< 0.005 U	**0.0079**	**0.0038**
AOI_51	MW-0416-S2A	4/18/2013			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0416-S2A	10/1/2013			< 0.005 U	< 0.005 U	0.0039 J	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.0042**
AOI_51	MW-0416-S2A	4/3/2014			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.0039**
AOI_51	MW-0417-S3	11/18/2004			< 0.005 U	< 0.005 U	0.0071	< 0.005 U	**27**	< 0.005 U	**0.12**	< 0.002 U
AOI_51	MW-0417-S3	1/31/2005			< 0.005 U	< 0.005 U	0.049	< 0.005 U	**1.4**	< 0.005 U	**0.11**	< 0.002 U
AOI_51	MW-0417-S3	6/29/2005			< 0.005 U	< 0.005 U	**0.079**	< 0.005 U	**0.27**	< 0.005 U	**0.11**	< 0.002 U
AOI_51	MW-0417-S3	1/23/2006			< 0.005 U	< 0.005 U	0.045	< 0.005 UJ	**0.12**	< 0.005 U	**0.081**	< 0.002 U
AOI_51	MW-0417-S3	5/13/2008			< 0.005 U	< 0.005 U	< 0.203 U	< 0.005 U	**0.636**	< 0.005 U	**0.632**	< 0.002 U
AOI_51	MW-0417-S3	5/20/2010			< 0.005 U	< 0.005 U	**0.119**	< 0.005 U	**0.51 J**	< 0.005 U	**0.48**	< 0.002 U
AOI_51	MW-0417-S3	11/1/2010			< 0.005 U	< 0.005 UJ	**0.156**	< 0.005 U	**0.792**	< 0.005 U	**0.738**	**0.0031**
AOI_51	MW-0417-S3	5/6/2011			< 0.005 U	< 0.005 U	**0.573**	< 0.005 U	**0.219**	< 0.005 U	**0.289**	< 0.002 U
AOI_51	MW-0417-S3	9/29/2011			< 0.005 U	< 0.005 U	**1.39**	< 0.005 U	**0.843**	0.0092	**0.639**	< 0.002 U
AOI_51	MW-0417-S3	4/11/2012			0.0051	< 0.005 U	**2.04**	< 0.005 U	**0.611**	0.0112	**0.493**	< 0.002 U
AOI_51	MW-0417-S3	10/5/2012			< 0.005 U	< 0.005 U	**1.21**	< 0.005 U	**0.724**	0.008	**0.408**	< 0.002 U
AOI_51	MW-0417-S3	4/18/2013			< 0.005 U	< 0.005 U	**1.24**	< 0.005 U	**0.361**	0.01	**0.245**	< 0.002 U
AOI_51	MW-0417-S3	10/1/2013			**0.0083**	< 0.005 U	**2.68**	< 0.005 U	**0.648**	0.0185	**0.346**	**0.0029**
AOI_51	MW-0417-S3	4/3/2014			< 0.025 U	< 0.025 U	**1.71**	< 0.025 U	**0.383**	< 0.025 U	**0.379**	< 0.01 U
AOI_51	MW-0418-S3	1/21/2005			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0418-S3	6/29/2005			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0418-S3	1/23/2006			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0418-S3	5/14/2008			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.36**	< 0.005 U	**0.0118**	< 0.002 U
AOI_51	MW-0418-S3	5/20/2010			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.289**	< 0.005 U	**0.0776**	< 0.002 U
AOI_51	MW-0418-S3	5/6/2011			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.0271**	< 0.005 U	**0.0059**	< 0.002 U
AOI_51	MW-0418-S3	9/29/2011			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.11 J**	< 0.005 U	**0.0095**	< 0.002 U
AOI_51	MW-0418-S3	4/11/2012			< 0.005 U	< 0.005 U	**0.126**	< 0.005 U	**0.192**	< 0.005 U	**0.104**	< 0.002 U
AOI_51	MW-0418-S3	10/5/2012			< 0.005 U	< 0.005 U	**0.205**	< 0.005 U	**0.743**	< 0.005 U	**0.26**	< 0.002 U
AOI_51	MW-0418-S3	4/18/2013			< 0.005 U	< 0.005 U	**0.237**	< 0.005 U	**1.26**	< 0.005 U	**0.358**	< 0.002 U
AOI_51	MW-0418-S3	10/1/2013			< 0.005 U	< 0.005 U	**0.656**	< 0.005 U	**0.007**	< 0.005 U	**0.0144**	< 0.002 U
AOI_51	MW-0418-S3	4/3/2014			0.0043 J	< 0.005 U	**1.72 J**	< 0.005 U	**0.1**	0.0103	**0.154**	< 0.002 U
AOI_51	MW-0419-S2B	1/19/2005			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0419-S2B	6/28/2005			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0419-S2B	1/12/2006	FD		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0419-S2B	1/12/2006			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U

AOI	Location ID	Sample Date	Field Duplicate (FD)	Chemical Name / Unit / Depth Interval (ft bgs)	1,1-Dichloroethene mg/L	Carbon tetrachloride mg/L	cis-1,2-Dichloroethene mg/L	Methylene chloride mg/L	Tetrachloroethene mg/L	trans-1,2-Dichloroethene mg/L	Trichloroethene mg/L	Vinyl chloride mg/L
AOI_51	MW-0419-S2B	5/13/2008			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0419-S2B	10/28/2008			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0419-S2B	4/10/2009			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0419-S2B	5/21/2010			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0419-S2B	7/19/2010			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0419-S2B	11/1/2010			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0419-S2B	9/29/2011			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0419-S2B	4/11/2012			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0419-S2B	10/5/2012			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0419-S2B	4/18/2013			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0419-S2B	10/1/2013			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0419-S2B	4/3/2014			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0420-S2A	11/12/2004			< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0420-S2A	6/28/2005			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0420-S2A	1/12/2006			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0420-S2A	5/13/2008			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0420-S2A	10/28/2008			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0420-S2A	4/6/2009			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0420-S2A	5/21/2010			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0420-S2A	5/6/2011			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0420-S2A	9/29/2011			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0420-S2A	4/11/2012			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0420-S2A	10/5/2012			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0420-S2A	4/18/2013			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0420-S2A	10/1/2013			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0420-S2A	4/3/2014			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.0865**	< 0.005 U	**0.0054**	< 0.002 U
AOI_51	MW-0421-S2	11/12/2004			< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0421-S2	6/28/2005			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0421-S2	1/13/2006			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0421-S2	5/13/2008			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0421-S2	10/28/2008			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0421-S2	4/6/2009			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0421-S2	5/21/2010			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0421-S2	11/1/2010			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0421-S2	5/6/2011			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0421-S2	9/29/2011			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0421-S2	4/23/2012	FD		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0421-S2	4/23/2012		34-35.5	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0421-S2	4/23/2012		23-25	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0421-S2	4/23/2012		29.6-31.6	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0421-S2	4/23/2012		25.2-27.2	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0421-S2	4/23/2012		20.8-22.8	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0421-S2	4/23/2012		31.8-33.8	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0421-S2	4/23/2012		27.4-29.4	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0421-S2	10/5/2012			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0421-S2	4/18/2013			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0421-S2	10/1/2013			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0421-S2	4/3/2014			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0426-S2B	1/21/2005			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0426-S2B	6/28/2005			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0426-S2B	1/23/2006			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0426-S2B	5/14/2008			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0426-S2B	4/10/2009			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0426-S2B	5/20/2010			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0426-S2B	11/1/2010			< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0426-S2B	5/6/2011			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0426-S2B	9/29/2011			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0426-S2B	4/11/2012			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0426-S2B	10/5/2012			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0426-S2B	4/18/2013			< 0.005 U	< 0.005 U	0.008	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0426-S2B	10/1/2013			< 0.005 U	< 0.005 U	0.0502	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0426-S2B	4/3/2014			< 0.005 U	< 0.005 U	**0.107**	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0817-S2B	11/12/2008			< 0.005 UJ	< 0.005 UJ	< 0.005 U	< 0.005 U	< 0.005 UJ	< 0.005 UJ	< 0.005 U	< 0.002 U
AOI_51	MW-0817-S2B	4/10/2009			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0817-S2B	5/20/2010			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0817-S2B	11/1/2010			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0817-S2B	5/6/2011			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0817-S2B	9/29/2011			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0817-S2B	4/11/2012			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0817-S2B	10/5/2012			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U

AOI	Location ID	Sample Date	Field Duplicate (FD)	Chemical Name / Unit / Depth Interval (ft bgs)	1,1-Dichloroethene mg/L	Carbon tetrachloride mg/L	cis-1,2-Dichloroethene mg/L	Methylene chloride mg/L	Tetrachloroethene mg/L	trans-1,2-Dichloroethene mg/L	Trichloroethene mg/L	Vinyl chloride mg/L
AOI_51	MW-0817-S2B	4/18/2013			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0817-S2B	10/1/2013			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0817-S2B	4/3/2014			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0817-S3	11/12/2008			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0817-S3	4/10/2009			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0817-S3	5/20/2010			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0817-S3	11/1/2010			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0817-S3	5/6/2011			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0817-S3	9/29/2011			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0817-S3	4/11/2012			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0817-S3	10/5/2012			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0817-S3	4/18/2013			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0817-S3	10/1/2013			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0817-S3	4/3/2014			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0818-S3	11/11/2008	FD		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0818-S3	11/11/2008			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0818-S3	4/6/2009			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0818-S3	8/5/2009			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0818-S3	5/21/2010			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0818-S3	11/1/2010			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0818-S3	5/6/2011			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0818-S3	9/29/2011			< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0818-S3	4/11/2012			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0818-S3	10/5/2012			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0818-S3	4/18/2013			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0818-S3	10/1/2013			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0818-S3	4/3/2014			< 0.005 U	< 0.005 U	0.0056	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0819-S2B	11/11/2008			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 UJ	< 0.002 U
AOI_51	MW-0819-S2B	4/6/2009			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0819-S2B	5/21/2010			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0819-S2B	7/19/2010			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0819-S2B	11/1/2010			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.001 J	< 0.002 U
AOI_51	MW-0819-S2B	5/6/2011			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0819-S2B	9/29/2011			< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0819-S2B	4/11/2012			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0819-S2B	10/5/2012			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0819-S2B	4/18/2013			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0819-S2B	10/1/2013			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0819-S2B	4/3/2014			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0904-S2B	8/6/2009	FD		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0904-S2B	8/6/2009			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0904-S2B	11/5/2009	FD		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0904-S2B	11/5/2009			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0904-S2B	5/20/2010			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0904-S2B	11/1/2010			< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0904-S2B	5/6/2011			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0904-S2B	9/29/2011			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0904-S2B	4/11/2012			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0904-S2B	10/5/2012			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0904-S2B	4/18/2013			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0904-S2B	10/1/2013			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-0904-S2B	4/3/2014			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-1202-S2	10/8/2012			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.085**	< 0.005 U	**0.0191**	< 0.002 U
AOI_51	MW-1202-S2	4/18/2013	FD		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.0392**	< 0.005 U	**0.011**	< 0.002 U
AOI_51	MW-1202-S2	4/18/2013			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.0393**	< 0.005 U	**0.0119**	< 0.002 U
AOI_51	MW-1202-S2	10/1/2013	FD		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.0091**	< 0.005 U	**0.006**	< 0.002 U
AOI_51	MW-1202-S2	10/1/2013			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.009**	< 0.005 U	**0.0063**	< 0.002 U
AOI_51	MW-1202-S2	4/3/2014	FD		< 0.005 U	< 0.005 U	0.0044 J	< 0.005 U	**0.0497 J**	< 0.005 U	**0.0209 J**	0.0011 J
AOI_51	MW-1202-S2	4/3/2014			< 0.005 UJ	< 0.005 UJ	< 0.005 UJ	< 0.005 UJ	< 0.005 UJ	< 0.005 UJ	0.001 J	< 0.002 UJ
AOI_51	MW-1203-S2	10/8/2012			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-1203-S2	4/18/2013			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-1203-S2	10/1/2013			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-1203-S2	4/3/2014			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-1204-S2	10/8/2012			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-1204-S2	4/18/2013			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-1204-S2	10/1/2013			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-1204-S2	4/3/2014			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U

AOI	Location ID	Sample Date	Field Duplicate (FD)	Chemical Name / Unit / Depth Interval (ft bgs)	1,1-Dichloroethene mg/L	Carbon tetrachloride mg/L	cis-1,2-Dichloroethene mg/L	Methylene chloride mg/L	Tetrachloroethene mg/L	trans-1,2-Dichloroethene mg/L	Trichloroethene mg/L	Vinyl chloride mg/L
AOI_51	MW-1205-S2B	10/8/2012	FD		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-1205-S2B	10/8/2012			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-1205-S2B	4/18/2013			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-1205-S2B	10/1/2013			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-1205-S2B	4/3/2014			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-1206-S2	10/8/2012			< 0.005 U	< 0.005 U	0.0056	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-1206-S2	4/18/2013			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-1206-S2	10/1/2013			< 0.005 U	< 0.005 U	0.0031 J	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-1206-S2	4/3/2014			< 0.005 U	< 0.005 U	0.0033 J	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-1207-S2	10/9/2012			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-1207-S2	4/18/2013			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-1207-S2	10/1/2013			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-1207-S2	4/3/2014			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-1301-S2	10/1/2013			< 0.005 U	< 0.005 U	0.0108	< 0.005 U	0.0044 J	< 0.005 U	**0.009**	< 0.002 U
AOI_51	MW-1301-S2	11/15/2013	FD		< 0.005 U	< 0.005 U	0.0111	< 0.005 U	0.0033 J	< 0.005 U	**0.0092**	< 0.002 U
AOI_51	MW-1301-S2	11/15/2013			< 0.005 U	< 0.005 U	0.0112	< 0.005 U	0.0034 J	< 0.005 U	**0.0095**	< 0.002 U
AOI_51	MW-1301-S2	4/3/2014			< 0.005 U	< 0.005 U	0.0085	< 0.005 U	< 0.005 U	< 0.005 U	**0.0089**	< 0.002 U
AOI_51	MW-1302-S2	10/1/2013			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-1302-S2	4/3/2014			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-1305-S2	2/13/2014			< 0.005 U	< 0.005 U	**0.118**	< 0.005 U	**0.105**	< 0.005 U	**0.0576**	< 0.002 U
AOI_51	MW-1305-S2	2/13/2014			< 0.005 U	< 0.005 U	**0.129**	< 0.005 U	**0.158**	< 0.005 U	**0.0665**	< 0.002 U
AOI_51	MW-1305-S2	2/28/2014			< 0.005 U	< 0.005 U	0.0407	< 0.005 U	**0.149**	< 0.005 U	**0.0368**	< 0.002 U
AOI_51	MW-1305-S2	4/3/2014			< 0.005 U	< 0.005 U	0.0651	< 0.005 U	**0.111**	< 0.005 U	**0.0561**	< 0.002 U
AOI_51	MW-1306-S2	2/13/2014	FD		< 0.005 U	< 0.005 U	0.0048 J	< 0.005 U	**0.0671**	< 0.005 U	**0.008**	**0.0047**
AOI_51	MW-1306-S2	2/13/2014			< 0.005 U	< 0.005 U	0.0028 J	< 0.005 U	**0.0221**	< 0.005 U	**0.0053**	0.0017 J
AOI_51	MW-1306-S2	2/13/2014			< 0.005 U	< 0.005 U	0.005	< 0.005 U	**0.0696**	< 0.005 U	**0.0083**	**0.005**
AOI_51	MW-1306-S2	2/13/2014			< 0.005 U	< 0.005 U	0.0046 J	< 0.005 U	**0.0965**	< 0.005 U	**0.0104**	**0.0051**
AOI_51	MW-1306-S2	4/3/2014			< 0.005 U	< 0.005 U	**0.118**	< 0.005 U	**0.0627**	< 0.005 U	**0.0495**	**0.0023**
AOI_51	MW-1307-S2	2/13/2014			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0013 J	< 0.002 U
AOI_51	MW-1307-S2	4/3/2014			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0011 J	< 0.002 U
AOI_51	MW-S2-0601	10/27/2006			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-S2-0601	4/10/2009			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-S2-0601	5/21/2010			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-S2-0601	5/6/2011			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-S2-0601	9/29/2011			< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-S2-0601	4/11/2012			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-S2-0601	10/5/2012			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-S2-0601	4/18/2013			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-S2-0601	10/1/2013			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-S2-0601	4/3/2014			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-S2A-0501	8/19/2008			< 0.005 UJ	< 0.005 UJ	< 0.005 UJ	< 0.005 UJ	**1.37 J**	< 0.005 UJ	**0.0113 J**	< 0.002 UJ
AOI_51	MW-S2A-0501	9/16/2008			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.503**	< 0.005 U	**0.0149**	< 0.002 U
AOI_51	MW-S2A-0501	4/10/2009			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**1.05**	< 0.005 U	**0.0067**	< 0.002 U
AOI_51	MW-S2A-0501	5/20/2010			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.957 J**	< 0.005 U	**0.0164**	< 0.002 U
AOI_51	MW-S2A-0501	5/6/2011			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.366**	< 0.005 U	**0.0114**	< 0.002 U
AOI_51	MW-S2A-0501	4/11/2012			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.66**	< 0.005 U	**0.0176**	< 0.002 U
AOI_51	MW-S2A-0501	10/5/2012			< 0.005 U	< 0.005 U	0.0418	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-S2A-0501	4/18/2013			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.545**	< 0.005 U	**0.0346**	< 0.002 U
AOI_51	MW-S2A-0501	10/1/2013			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.714**	< 0.005 U	**0.0375**	< 0.002 U
AOI_51	MW-S2A-0501	4/3/2014			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.348**	< 0.005 U	**0.0186**	< 0.002 U
AOI_51	MW-S2B-0501	10/27/2006			< 0.005 U	< 0.005 U	0.0072	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.0059**
AOI_51	MW-S2B-0501	6/21/2007			< 0.005 U	< 0.005 UJ	0.0106	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.0089**
AOI_51	MW-S2B-0501	5/14/2008			< 0.005 U	< 0.005 U	0.0122	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.0149**
AOI_51	MW-S2B-0501	8/19/2008			< 0.005 U	< 0.005 U	0.0074	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.006**
AOI_51	MW-S2B-0501	9/16/2008			< 0.005 U	< 0.005 U	0.0089	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.0124**
AOI_51	MW-S2B-0501	10/29/2008			< 0.005 U	< 0.005 U	0.0154	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.0293**
AOI_51	MW-S2B-0501	4/6/2009			0.0052	< 0.005 U	**0.0719**	< 0.005 U	< 0.005 U	0.006	< 0.005 U	**0.0339**
AOI_51	MW-S2B-0501	5/20/2010			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-S2B-0501	11/1/2010			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-S2B-0501	5/6/2011			< 0.005 U	< 0.005 U	0.0633	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.0095**
AOI_51	MW-S2B-0501	9/29/2011			< 0.005 U	< 0.005 UJ	0.0105	< 0.005 U	**0.212**	< 0.005 U	**0.0249**	< 0.002 U
AOI_51	MW-S2B-0501	4/11/2012			< 0.005 U	< 0.005 U	**0.164**	< 0.005 U	**0.0094**	< 0.005 U	**0.0107**	< 0.002 U
AOI_51	MW-S2B-0501	10/5/2012			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.882**	< 0.005 U	**0.0492**	< 0.002 U

AOI	Location ID	Sample Date	Field Duplicate (FD)	Chemical Name / Unit / Depth Interval (ft bgs)	1,1-Dichloroethene mg/L	Carbon tetrachloride mg/L	cis-1,2-Dichloroethene mg/L	Methylene chloride mg/L	Tetrachloroethene mg/L	trans-1,2-Dichloroethene mg/L	Trichloroethene mg/L	Vinyl chloride mg/L
AOI_51	MW-S2B-0501	4/16/2013			< 0.005 U	< 0.005 U	0.0189	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-S2B-0501	10/1/2013			< 0.005 U	< 0.005 U	0.0415	< 0.005 U	**0.0234**	< 0.005 U	**0.0324**	< 0.002 U
AOI_51	MW-S2B-0501	4/3/2014			< 0.005 U	< 0.005 U	0.0204	< 0.005 U	< 0.0123 U	< 0.005 U	0.0046 J	< 0.002 U
AOI_51	MW-S3-0501	10/27/2006			< 0.005 U	< 0.005 U	0.0024 J	< 0.005 U	0.0032 J	< 0.005 U	0.0013 J	< 0.002 U
AOI_51	MW-S3-0501	6/20/2007			< 0.005 U	< 0.005 UJ	< 0.005 U	**0.0088 J**	**0.0389**	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-S3-0501	5/14/2008			0.0059	< 0.005 U	0.003 J	< 0.005 U	**0.162**	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-S3-0501	4/10/2009			< 0.005 U	< 0.005 U	0.0025 J	< 0.005 U	**0.0781**	< 0.005 U	**0.0418**	**0.0034**
AOI_51	MW-S3-0501	5/20/2010			< 0.005 U	< 0.005 U	0.0171	< 0.005 U	**0.274 J**	< 0.005 U	**0.0562**	< 0.002 U
AOI_51	MW-S3-0501	11/1/2010			0.0058	< 0.005 U	0.0593	< 0.005 U	**2.03**	< 0.005 U	**0.159**	**0.0028**
AOI_51	MW-S3-0501	5/6/2011			**0.0102**	< 0.005 U	**0.106**	< 0.005 U	**3.66**	< 0.005 U	**0.41**	**0.0076**
AOI_51	MW-S3-0501	9/29/2011			**0.0085**	< 0.005 U	0.0472	< 0.005 U	**1.8**	< 0.005 U	**0.355**	**0.0025**
AOI_51	MW-S3-0501	4/11/2012			< 0.005 U	< 0.005 U	0.0391	< 0.005 U	**1.03**	< 0.005 U	**0.294**	< 0.002 U
AOI_51	MW-S3-0501	10/5/2012			< 0.005 U	< 0.005 U	**0.0722**	< 0.005 U	**5.09**	< 0.005 U	**0.534**	< 0.002 U
AOI_51	MW-S3-0501	4/18/2013			< 0.005 U	< 0.005 U	**0.114**	< 0.005 U	**7.85**	< 0.005 U	**0.742**	< 0.002 U
AOI_51	MW-S3-0501	10/1/2013			< 0.005 U	< 0.005 U	**0.0862**	< 0.005 U	**7.27**	< 0.005 U	**0.53**	< 0.002 U
AOI_51	MW-S3-0501	4/3/2014			< 0.05 U	< 0.05 U	**0.188**	< 0.05 U	**7.89**	< 0.05 U	**1.29**	< 0.02 U
AOI_51	MW-S3-0601	10/27/2006	FD		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-S3-0601	10/27/2006			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-S3-0601	6/21/2007			< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-S3-0601	5/12/2008			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-S3-0601	4/6/2009			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-S3-0601	5/20/2010			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 UJ	< 0.005 U	**0.0059**	< 0.002 U
AOI_51	MW-S3-0601	11/1/2010			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0042 J	< 0.002 U
AOI_51	MW-S3-0601	5/6/2011			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-S3-0601	10/4/2011			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-S3-0601	4/11/2012			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	MW-S3-0601	10/5/2012			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.005	< 0.002 U
AOI_51	MW-S3-0601	4/18/2013			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.0052**	< 0.002 U
AOI_51	MW-S3-0601	10/1/2013			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0041 J	< 0.002 U
AOI_51	MW-S3-0601	4/3/2014			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0039 J	< 0.002 U
AOI_51	RW-0201-S2A	12/12/2007			< 0.5 U	< 0.5 U	**0.578**	< 0.824 U	**64.4**	< 0.5 U	**0.429 J**	< 0.2 U
AOI_51	RW-0201-S2A	3/4/2008			< 0.5 U	< 0.5 U	**1.18**	< 0.5 U	**92.5**	< 0.5 U	**0.613**	< 0.2 U
AOI_51	RW-0201-S2A	6/3/2008			< 0.5 U	< 0.5 U	< 0.5 U	**0.875**	**87.1**	< 0.5 U	< 0.5 U	< 0.2 U
AOI_51	RW-0201-S2A	8/11/2008			**0.0144**	< 0.005 U	**0.0759**	< 0.005 U	**165**	< 0.005 U	**1.19**	**0.0041**
AOI_51	RW-0201-S2A	11/3/2008			< 0.25 U	< 0.25 U	**29.4**	< 0.25 U	**5.14**	< 0.25 U	**1.17**	< 0.1 U
AOI_51	RW-0201-S2A	2/10/2009			< 0.25 U	< 0.25 U	**0.0961 J**	< 0.25 U	**74.3**	< 0.25 U	**0.99**	< 0.1 U
AOI_51	RW-0201-S2A	6/16/2009			< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	**42.3**	< 0.5 U	**0.761**	< 0.2 U
AOI_51	RW-0201-S2A	8/11/2009			< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U	**67.2**	< 0.25 U	**1.15**	< 0.1 U
AOI_51	RW-0201-S2A	11/16/2009			< 0.5 U	< 0.5 U	**0.307 J**	< 0.5 U	**61.4**	< 0.5 U	**0.516**	< 0.2 U
AOI_51	RW-0201-S2A	6/8/2010			< 0.005 U	< 0.005 U	**0.166 J**	< 0.005 U	**24.9 J**	< 0.005 U	**0.748**	**0.0091 J**
AOI_51	RW-0201-S2A	3/18/2011			< 0.05 U	< 0.05 U	**0.203**	< 0.05 U	**36.6**	< 0.05 U	**1.04**	< 0.02 U
AOI_51	RW-0201-S2A	9/7/2011			< 0.25 U	< 0.25 U	**0.127 J**	< 0.25 U	**44.3**	< 0.25 U	**0.797**	< 0.1 U
AOI_51	RW-0201-S2A	5/17/2012			< 0.005 U	< 0.005 U	**0.25**	< 0.005 U	**26.1**	< 0.005 U	**0.558**	< 0.002 U
AOI_51	RW-0201-S2A	10/8/2012			< 0.05 U	< 0.05 U	**0.294**	< 0.05 U	**30.5**	< 0.05 U	**0.966**	< 0.02 U
AOI_51	RW-0201-S2A	2/12/2013			< 0.05 U	< 0.05 U	**0.351**	< 0.05 U	**6.69**	< 0.05 U	**0.772**	< 0.02 U
AOI_51	RW-0201-S2A	6/18/2013			< 0.05 U	< 0.05 U	**0.252**	< 0.05 U	**27.8**	< 0.05 U	**0.613**	< 0.02 U
AOI_51	RW-0201-S2A	11/13/2013			< 0.05 U	< 0.05 U	**0.786**	< 0.05 U	**33.5**	< 0.05 U	**1.85**	< 0.02 U
AOI_51	RW-0201-S2A	2/27/2014			< 0.05 U	< 0.05 U	**0.395**	< 0.05 U	**25.9**	< 0.05 U	**1.25**	< 0.02 U
AOI_51	RW-0202-S2A	6/6/2002			< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	**260**	< 0.5 R	< 0.5 U	< 0.2 R
AOI_51	RW-0202-S2A	12/12/2007			< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	**164**	< 0.5 U	**0.33 J**	< 0.2 U
AOI_51	RW-0202-S2A	6/3/2008			< 0.5 U	< 0.5 U	< 0.5 U	**0.848**	**165**	< 0.5 U	**0.931**	< 0.2 U
AOI_51	RW-0202-S2A	8/11/2008			**0.0113**	< 0.005 U	0.0599	< 0.005 U	**152**	< 0.005 U	**1.14**	**0.0032**
AOI_51	RW-0202-S2A	11/3/2008			< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U	**129**	< 0.25 U	**1.08**	< 0.1 U
AOI_51	RW-0202-S2A	2/10/2009			< 0.25 U	< 0.25 U	0.0492 J	< 0.25 U	**116**	< 0.25 U	**1.18**	< 0.1 U
AOI_51	RW-0202-S2A	6/16/2009			< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	**120**	< 0.5 U	**0.926**	< 0.2 U
AOI_51	RW-0202-S2A	8/11/2009			< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U	**71.8**	< 0.25 U	**1.15**	< 0.1 U
AOI_51	RW-0202-S2A	11/16/2009			< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	**83.9**	< 0.5 U	**0.799**	< 0.2 U
AOI_51	RW-0202-S2A	6/8/2010			< 0.005 U	< 0.005 U	**0.264 J**	< 0.005 U	**27.7 J**	< 0.005 U	**0.811**	< 0.002 U
AOI_51	RW-0202-S2A	1/21/2011			< 0.005 U	< 0.005 U	**0.484**	< 0.005 U	**6.35**	< 0.005 U	**0.546**	< 0.002 U
AOI_51	RW-0202-S2A	9/7/2011			< 0.25 U	< 0.25 U	**0.609**	< 0.25 U	**14.6**	< 0.25 U	**0.977**	< 0.1 U
AOI_51	RW-0202-S2A	5/17/2012			< 0.005 U	< 0.005 U	**0.222**	< 0.005 U	**22.7**	< 0.005 U	**0.738**	< 0.002 U
AOI_51	RW-0202-S2A	10/8/2012			< 0.05 U	< 0.05 U	**0.0981**	< 0.05 U	**4.97**	< 0.05 U	**0.21**	< 0.02 U
AOI_51	RW-0202-S2A	2/12/2013			< 0.025 U	< 0.025 U	**0.149**	< 0.025 U	**12.3**	< 0.025 U	**0.942**	< 0.01 U
AOI_51	RW-0202-S2A	6/18/2013			< 0.025 U	< 0.025 U	**0.181**	< 0.025 U	**26.5**	< 0.025 U	**0.824**	< 0.01 U
AOI_51	RW-0202-S2A	11/13/2013			< 0.025 U	< 0.025 U	**0.727**	< 0.025 U	**29.4**	< 0.025 U	**1.99**	< 0.01 U
AOI_51	RW-0202-S2A	2/27/2014			< 0.05 U	< 0.05 U	**0.394**	< 0.05 U	**26.7**	< 0.05 U	**1.38**	< 0.02 U
AOI_51	RW-0203-S2A	6/6/2002			**0.015**	< 0.005 U	0.018	< 0.005 U	**52 J**	< 0.005 R	**0.54 J**	**0.011 J**
AOI_51	RW-0203-S2A	12/12/2007			< 0.5 U	< 0.5 U	**0.226 J**	< 0.551 U	**86.1**	< 0.5 U	**1.21**	< 0.2 U
AOI_51	RW-0203-S2A	3/4/2008			< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	**73.8**	< 0.5 U	**0.994**	< 0.2 U

AOI	Location ID	Sample Date	Field Duplicate (FD)	Chemical Name / Unit / Depth Interval (ft bgs)	1,1-Dichloroethene mg/L	Carbon tetrachloride mg/L	cis-1,2-Dichloroethene mg/L	Methylene chloride mg/L	Tetrachloroethene mg/L	trans-1,2-Dichloroethene mg/L	Trichloroethene mg/L	Vinyl chloride mg/L
AOI_51	RW-0203-S2A	6/3/2008			< 0.5 U	< 0.5 U	< 0.5 U	1.04	51.6	< 0.5 U	0.851	< 0.2 U
AOI_51	RW-0203-S2A	8/11/2008			0.0142	< 0.005 U	0.114	< 0.005 U	155	< 0.005 U	< 5 U	0.0043
AOI_51	RW-0203-S2A	11/3/2008			< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U	62	< 0.25 U	1.64	< 0.1 U
AOI_51	RW-0203-S2A	2/10/2009			< 0.25 U	< 0.25 U	0.0393 J	< 0.25 U	28.3	< 0.25 U	0.663	< 0.1 U
AOI_51	RW-0203-S2A	6/16/2009			< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	77.8	< 0.5 U	1.03	< 0.2 U
AOI_51	RW-0203-S2A	8/11/2009			< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U	31.3	< 0.25 U	0.752	< 0.1 U
AOI_51	RW-0203-S2A	11/16/2009			< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	39.6	< 0.5 U	0.672	< 0.2 U
AOI_51	RW-0203-S2A	6/8/2010			< 0.005 U	< 0.005 U	1.51	< 0.005 U	10.8 J	< 0.005 U	0.657	0.0093
AOI_51	RW-0203-S2A	1/21/2011			< 0.005 U	< 0.005 U	0.346	< 0.005 U	31.1	< 0.005 U	1.52	0.0056
AOI_51	RW-0203-S2A	9/7/2011			< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U	27.3	< 0.25 U	0.802	< 0.1 U
AOI_51	RW-0203-S2A	5/17/2012			< 0.005 U	< 0.005 U	0.219	< 0.005 U	29.6	< 0.005 U	0.896	0.0046
AOI_51	RW-0203-S2A	10/8/2012			< 0.005 U	< 0.005 U	0.0109	< 0.005 U	0.41	< 0.005 U	0.0258	< 0.002 U
AOI_51	RW-0203-S2A	2/12/2013			< 0.005 U	< 0.005 U	0.14	< 0.005 U	0.82	< 0.005 U	0.252	< 0.002 U
AOI_51	RW-0203-S2A	6/18/2013			< 0.005 U	< 0.005 U	0.0782	< 0.005 U	1.56	< 0.005 U	0.0646	< 0.002 U
AOI_51	RW-0203-S2A	11/13/2013			0.0042 J	< 0.005 U	0.771	< 0.005 U	27.1	0.004 J	1.78	0.0115
AOI_51	RW-0203-S2A	2/27/2014			0.0027 J	< 0.005 U	0.405	< 0.005 U	32.1	0.0026 J	1.49	0.007
AOI_51	RW-0204-S2A	6/6/2002			0.012	< 0.005 U	0.016	< 0.005 U	24	< 0.005 R	0.15 J	0.012 J
AOI_51	RW-0204-S2A	7/10/2013			< 0.005 U	< 0.005 U	0.813	< 0.005 U	15.2	< 0.005 U	0.638	< 0.002 U
AOI_51	RW0204S2A/RW0205S2A	12/12/2007			< 0.5 U	< 0.5 U	0.539	< 0.564 U	61.1	< 0.5 U	0.74	< 0.2 U
AOI_51	RW0204S2A/RW0205S2A	3/4/2008			< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	42.5	< 0.5 U	0.918	< 0.2 U
AOI_51	RW0204S2A/RW0205S2A	6/3/2008			< 0.5 U	< 0.5 U	0.12 J	1.01	40.6	< 0.5 U	1.35	< 0.2 U
AOI_51	RW0204S2A/RW0205S2A	8/11/2008			0.0154	< 0.005 U	1.62	< 0.005 U	73.2	0.0091	4.45	0.0098
AOI_51	RW0204S2A/RW0205S2A	11/3/2008			< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U	98.2	< 0.25 U	1.6	< 0.1 U
AOI_51	RW0204S2A/RW0205S2A	2/10/2009			< 0.25 U	< 0.25 U	0.101 J	< 0.25 U	30.4	< 0.25 U	1.37	< 0.1 U
AOI_51	RW0204S2A/RW0205S2A	6/16/2009			< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	73.9	< 0.5 U		< 0.2 U
AOI_51	RW0204S2A/RW0205S2A	8/11/2009			< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U	35.3	< 0.25 U	1.71	< 0.1 U
AOI_51	RW0204S2A/RW0205S2A	11/16/2009			< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	56.1	< 0.5 U	1.47	< 0.2 U
AOI_51	RW0204S2A/RW0205S2A	6/8/2010			< 0.005 U	< 0.005 U	0.145 J	< 0.005 U	21.9 J	< 0.005 U	0.876	0.0113 J
AOI_51	RW0204S2A/RW0205S2A	1/21/2011			0.006	< 0.005 U	0.282	< 0.005 U	37.1	< 0.005 U	2.21	0.0184
AOI_51	RW0204S2A/RW0205S2A	9/7/2011			< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U	39.8	< 0.25 U	0.931	< 0.1 U
AOI_51	RW0204S2A/RW0205S2A	5/17/2012			< 0.005 U	< 0.005 U	0.267	< 0.005 U	14.8	< 0.005 U	0.539	< 0.002 U
AOI_51	RW0204S2A/RW0205S2A	10/8/2012			< 0.005 U	< 0.005 U	0.0133	< 0.005 U	0.784	< 0.005 U	0.0332	< 0.002 U
AOI_51	RW0204S2A/RW0205S2A	2/12/2013			< 0.005 U	< 0.005 U	0.0303	< 0.005 U	0.561	< 0.005 U	0.0501	< 0.002 U
AOI_51	RW0204S2A/RW0205S2A	6/18/2013			< 0.005 U	< 0.005 U	0.0432	< 0.005 U	2.48	< 0.005 U	0.0925	< 0.002 U
AOI_51	RW0204S2A/RW0205S2A	11/13/2013			0.0042 J	< 0.005 U	0.81	< 0.005 U	30.4	0.0041 J	1.96	0.0116
AOI_51	RW0204S2A/RW0205S2A	2/27/2014			0.0031 J	< 0.005 U	0.389	< 0.005 U	33.6	0.0031 J	1.7	0.0081
AOI_51	RW-0205-S2A	7/10/2013			0.0198	< 0.005 U	13.2	< 0.005 U	0.0168	0.0916	0.0171	0.188
AOI_51	RW-0501-S2B	11/17/2005			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0501-S2B	2/24/2006			< 0.005 U	< 0.005 U		< 0.005 U	0.0025 J	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0501-S2B	12/12/2007			0.0106	< 0.005 U	0.0089	< 0.005 U	0.0012 J	< 0.005 U	< 0.005 U	0.0064
AOI_51	RW-0501-S2B	3/4/2008			0.0103	< 0.005 U	0.046	< 0.005 U	0.0453	< 0.005 U	0.0059	0.0028
AOI_51	RW-0501-S2B	6/3/2008			0.0204	< 0.005 U	0.0884	< 0.005 U	0.926	< 0.005 U	0.0995	0.05
AOI_51	RW-0501-S2B	8/11/2008			0.0141	< 0.005 U	0.0644	< 0.005 U	1.02	< 0.005 U	0.102	0.0348
AOI_51	RW-0501-S2B	11/3/2008			0.0121	< 0.005 U	0.0275	< 0.005 U	0.437	< 0.005 U	0.0379	0.0224
AOI_51	RW-0501-S2B	2/10/2009			0.003 J	< 0.005 U	0.0354	< 0.005 U	0.222	< 0.005 U	0.0397	0.0116
AOI_51	RW-0501-S2B	6/16/2009			0.0215	< 0.005 U	0.0926	< 0.005 U	1.16	0.0021 J	0.0987	0.0342
AOI_51	RW-0501-S2B	8/11/2009			0.0156	< 0.005 U	0.0792	< 0.005 U	1.32	< 0.005 U	0.15	0.037
AOI_51	RW-0501-S2B	11/16/2009			0.0151	< 0.005 U	0.0812	< 0.005 U	1.42	< 0.005 U	0.159	0.0322
AOI_51	RW-0501-S2B	6/8/2010			0.0135	< 0.005 U	0.0981	< 0.005 U	0.622 J	< 0.005 U	0.124	0.0366
AOI_51	RW-0501-S2B	1/7/2011			0.0137	< 0.005 U	0.104	< 0.005 U	0.838	0.0067	0.121	0.0335
AOI_51	RW-0501-S2B	9/7/2011			< 0.005 U	< 0.005 U	0.26	< 0.005 U	0.867	< 0.005 U	0.116	0.0278
AOI_51	RW-0501-S2B	5/17/2012			< 0.005 U	< 0.005 U	0.0959	< 0.005 U	0.838	< 0.005 U	0.135	0.0109
AOI_51	RW-0501-S2B	10/8/2012			< 0.005 U	< 0.005 U	0.243	< 0.005 U	1.21	< 0.005 U	0.111	0.0635
AOI_51	RW-0501-S2B	2/12/2013			< 0.005 U	< 0.005 U	0.12	< 0.005 U	0.874	< 0.005 U	0.172	0.0361
AOI_51	RW-0501-S2B	6/18/2013			< 0.005 U	< 0.005 U	0.109	< 0.005 U	1.23	< 0.005 U	0.126	0.0226
AOI_51	RW-0501-S2B	11/13/2013			< 0.005 U	< 0.005 U	0.112	< 0.005 U	1.85	< 0.005 U	0.197	0.0083
AOI_51	RW-0501-S2B	2/27/2014			0.0072	< 0.005 U	0.385	< 0.005 U	1.93	0.0034 J	0.229	0.0554
AOI_51	RW-0501-S3	11/17/2005	FD		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0501-S3	11/17/2005			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0501-S3	2/24/2006			< 0.005 U	< 0.005 U		< 0.005 U	0.0029 J	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0501-S3	12/12/2007			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0501-S3	3/4/2008			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0501-S3	6/3/2008			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0501-S3	8/11/2008			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0501-S3	11/3/2008			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0501-S3	2/10/2009			< 0.005 U	< 0.005 U	0.0019 J	< 0.005 U	0.269	< 0.005 U	0.0074	< 0.002 U
AOI_51	RW-0501-S3	6/16/2009			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0008 J	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0501-S3	8/11/2009			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0501-S3	11/16/2009			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0032 J	< 0.005 U	< 0.005 U	< 0.002 U

AOI	Location ID	Sample Date	Field Duplicate (FD)	Chemical Name / Unit / Depth Interval (ft bgs)	1,1-Dichloroethene mg/L	Carbon tetrachloride mg/L	cis-1,2-Dichloroethene mg/L	Methylene chloride mg/L	Tetrachloroethene mg/L	trans-1,2-Dichloroethene mg/L	Trichloroethene mg/L	Vinyl chloride mg/L
AOI_51	RW-0501-S3	6/8/2010			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0501-S3	1/7/2011			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0501-S3	9/7/2011			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0501-S3	5/17/2012			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0501-S3	10/8/2012			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0501-S3	2/12/2013			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0501-S3	6/18/2013			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0501-S3	11/13/2013			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0501-S3	2/27/2014			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0502-S2B	11/17/2005			< 0.005 U	< 0.005 U	0.022	< 0.005 U	< 0.005 UJ	0.0032 J	< 0.005 U	**0.0075**
AOI_51	RW-0502-S2B	6/21/2007			< 0.005 U	< 0.005 UJ	0.0148	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0502-S2B	12/12/2007			< 0.005 U	< 0.005 U	0.0228	< 0.005 U	< 0.005 U	0.003 J	< 0.005 U	**0.0023**
AOI_51	RW-0502-S2B	3/4/2008			< 0.005 U	< 0.005 U	0.0224	< 0.005 U	< 0.005 U	0.004 J	< 0.005 U	< 0.002 U
AOI_51	RW-0502-S2D	6/3/2008			< 0.005 U	< 0.005 U	0.0274	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.0037**
AOI_51	RW-0502-S2B	8/11/2008			< 0.005 U	< 0.005 U	0.0208	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.0033**
AOI_51	RW-0502-S2B	11/3/2008			< 0.005 U	< 0.005 U	0.0178	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.0032**
AOI_51	RW-0502-S2B	2/10/2009			< 0.005 U	< 0.005 U	0.0155	< 0.005 U	< 0.005 U	0.0022 J	< 0.005 U	0.00067 J
AOI_51	RW-0502-S2B	6/16/2009			< 0.005 U	< 0.005 U	0.0179	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0502-S2B	8/11/2009			< 0.005 U	< 0.005 U	0.0165	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.0029**
AOI_51	RW-0502-S2B	11/16/2009			< 0.005 U	< 0.005 U	0.0168	< 0.005 U	< 0.005 U	0.0017 J	< 0.005 U	**0.0028**
AOI_51	RW-0502-S2B	6/8/2010			< 0.005 U	< 0.005 U	0.0161	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.005 U	**0.0051**
AOI_51	RW-0502-S2B	1/7/2011			< 0.005 U	< 0.005 U	0.0172	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.0081**
AOI_51	RW-0502-S2B	9/7/2011			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.01**	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0502-S2B	5/17/2012			< 0.005 U	< 0.005 U	0.0169	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0502-S2B	10/8/2012			< 0.005 U	< 0.005 U	0.0506	< 0.005 U	< 0.005 U	< 0.005 U	**0.0161**	**0.0032**
AOI_51	RW-0502-S2B	2/12/2013			< 0.005 U	< 0.005 U	0.06	< 0.005 U	**0.0104**	< 0.005 U	**0.0428**	**0.003**
AOI_51	RW-0502-S2B	6/18/2013			< 0.005 U	< 0.005 U	0.0534	< 0.005 U	**0.0164**	< 0.005 U	**0.0279**	< 0.002 U
AOI_51	RW-0502-S2B	11/13/2013			< 0.005 U	< 0.005 U	0.0523	< 0.005 U	**0.0158**	< 0.005 U	**0.0285**	< 0.002 U
AOI_51	RW-0502-S2D	2/27/2014			< 0.005 U	< 0.005 U	0.0405	< 0.005 U	**0.0178**	< 0.005 U	**0.0283**	**0.0026**
AOI_51	RW-0602-S2A/S2B	12/12/2007			< 0.005 U	< 0.005 U	0.0078	< 0.0076 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0017 J
AOI_51	RW-0602-S2A/S2B	3/4/2008			< 0.005 U	< 0.005 U	0.0037 J	< 0.005 U	**0.0104**	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0602-S2A/S2B	6/3/2008			< 0.005 U	< 0.005 U	0.0016 J	< 0.005 U	**0.0081**	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0602-S2A/S2B	8/11/2008			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0602-S2A/S2B	11/3/2008			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0602-S2A/S2B	2/10/2009			< 0.005 U	< 0.005 U	0.001 J	< 0.005 U	0.002 J	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0602-S2A/S2B	6/16/2009			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.141**	< 0.005 U	0.0025 J	< 0.002 U
AOI_51	RW-0602-S2A/S2B	8/11/2009			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0602-S2A/S2B	11/16/2009			< 0.005 U	< 0.005 U	0.0143	< 0.005 U	**2.03**	< 0.005 U	**0.0473**	< 0.002 U
AOI_51	RW-0602-S2A/S2B	6/8/2010			< 0.005 U	< 0.005 U	0.0453	< 0.005 U	**0.0375 J**	< 0.005 U	0.0031 J	< 0.002 U
AOI_51	RW-0602-S2A/S2B	1/7/2011			< 0.005 U	< 0.005 U	0.0127	< 0.005 U	**0.0174**	< 0.005 U	**0.0096**	< 0.002 U
AOI_51	RW-0602-S2A/S2B	9/7/2011			< 0.005 U	< 0.005 U	0.0522	< 0.005 U	**0.0068**	< 0.005 U	**0.011**	0.002
AOI_51	RW-0602-S2A/S2B	5/17/2012			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0602-S2A/S2D	10/8/2012			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.0587**	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0602-S2A/S2B	2/12/2013			< 0.005 U	< 0.005 U	0.0092	< 0.005 U	**0.0672**	< 0.005 U	< 0.005 U	**0.0064**
AOI_51	RW-0602-S2A/S2B	6/18/2013			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.044**	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0602-S2A/S2B	11/13/2013			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.0216**	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0602-S2A/S2B	2/27/2014			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.0336**	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0602-S3	12/12/2007			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0602-S3	3/4/2008			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0602-S3	6/3/2008			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0602-S3	8/11/2008			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0602-S3	11/3/2008			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0602-S3	2/10/2009			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0602-S3	6/16/2009			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0044 J	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0602-S3	8/11/2009			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0602-S3	11/16/2009			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0021 J	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0602-S3	6/8/2010			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0602-S3	1/7/2011			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0602-S3	9/7/2011			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0602-S3	5/17/2012			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0602-S3	10/8/2012			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0602-S3	2/12/2013			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0602-S3	11/13/2013			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0602-S3	2/27/2014			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0603-S3	6/21/2007			< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0603-S3	1/25/2008			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0603-S3	3/4/2008			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0603-S3	6/3/2008			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0603-S3	8/11/2008			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0603-S3	11/3/2008			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U

AOI	Location ID	Sample Date	Field Duplicate (FD)	Chemical Name / Unit / Depth Interval (ft bgs)	1,1-Dichloroethene mg/L	Carbon tetrachloride mg/L	cis-1,2-Dichloroethene mg/L	Methylene chloride mg/L	Tetrachloroethene mg/L	trans-1,2-Dichloroethene mg/L	Trichloroethene mg/L	Vinyl chloride mg/L
AOI_51	RW-0603-S3	2/10/2009			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0603-S3	6/16/2009			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0603-S3	8/11/2009			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0603-S3	11/16/2009			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0603-S3	6/8/2010			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0603-S3	1/7/2011			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0603-S3	9/7/2011			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0603-S3	10/8/2012			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0603-S3	2/12/2013			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0603-S3	6/18/2013			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0603-S3	11/13/2013			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0603-S3	2/27/2014			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0604-S2B	12/12/2007			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0015 J
AOI_51	RW-0604-S2B	3/4/2008			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0604-S2B	6/3/2008			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.00066 J	< 0.005 U	< 0.005 U	**0.003**
AOI_51	RW-0604-S2B	8/11/2008			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.0022**
AOI_51	RW-0604-S2B	11/3/2008			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0604-S2B	2/10/2009			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0011 J	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0604-S2B	6/16/2009			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.0034**
AOI_51	RW-0604-S2B	8/11/2009			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0604-S2B	11/16/2009			< 0.005 U	< 0.005 U	0.0041 J	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.003**
AOI_51	RW-0604-S2B	6/8/2010			< 0.005 U	< 0.005 U	0.0109	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.005 U	**0.0031**
AOI_51	RW-0604-S2B	1/7/2011			< 0.005 U	< 0.005 U	0.0091	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0604-S2B	9/7/2011			< 0.005 U	< 0.005 U	0.0099	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0604-S2B	5/17/2012			< 0.005 U	< 0.005 U	0.0175	< 0.005 U	**0.0279**	< 0.005 U	**0.022**	< 0.002 U
AOI_51	RW-0604-S2B	10/8/2012			< 0.005 U	< 0.005 U	0.0253	< 0.005 U	**0.0475**	< 0.005 U	**0.0291**	< 0.002 U
AOI_51	RW-0604-S2B	2/12/2013			< 0.005 U	< 0.005 U	0.0247	< 0.005 U	**0.0559**	< 0.005 U	**0.0403**	< 0.002 U
AOI_51	RW-0604-S2B	6/18/2013			< 0.005 U	< 0.005 U	0.0234	< 0.005 U	**0.0703**	< 0.005 U	**0.0304**	< 0.002 U
AOI_51	RW-0604-S2B	11/13/2013			< 0.005 U	< 0.005 U	0.0298	< 0.005 U	**0.0749**	< 0.005 U	**0.0388**	< 0.002 U
AOI_51	RW-0604-S2B	2/27/2014			< 0.005 U	< 0.005 U	0.0349	< 0.005 U	**0.0899**	< 0.005 U	**0.0439**	< 0.002 U
AOI_51	RW-0604-S3	12/12/2007			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0604-S3	3/4/2008			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0604-S3	6/3/2008			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0014 J	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0604-S3	8/11/2008			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0604-S3	11/3/2008			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0604-S3	2/10/2009			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0604-S3	6/16/2009			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0604-S3	8/11/2009			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0604-S3	11/16/2009			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0604-S3	6/8/2010			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0604-S3	1/7/2011			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0604-S3	9/7/2011			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0604-S3	5/17/2012			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0604-S3	10/8/2012			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0604-S3	2/12/2013			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0604-S3	6/18/2013			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0604-S3	11/13/2013			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0604-S3	2/27/2014			< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U
AOI_51	RW-0605-S3	12/12/2007			< 0.5 U	< 0.5 U	< 0.5 U	< 0.793 U	**87.4**	< 0.5 U	**0.473 J**	< 0.2 U
AOI_51	RW-0605-S3	3/4/2008			< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	**39.8**	< 0.5 U	**0.338 J**	< 0.2 U
AOI_51	RW-0605-S3	6/3/2008			< 0.5 U	< 0.5 U	**0.269 J**	**0.965**	**97.8**	< 0.5 U	**0.69**	< 0.2 U
AOI_51	RW-0605-S3	8/11/2008			< 0.005 U	< 0.005 U	0.0208	< 0.005 U	**75**	< 0.005 U	**0.285**	< 0.002 U
AOI_51	RW-0605-S3	11/3/2008			< 0.25 U	< 0.25 U	**0.696**	< 0.25 U	**55.5**	< 0.25 U	**0.817**	< 0.1 U
AOI_51	RW-0605-S3	2/10/2009			< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U	**64.7**	< 0.25 U	**0.263**	< 0.1 U
AOI_51	RW-0605-S3	6/16/2009			< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	**52.2**	< 0.5 U	**1.79**	< 0.2 U
AOI_51	RW-0605-S3	8/11/2009			< 0.005 U	< 0.005 U	0.033	< 0.005 U	**27.5**	< 0.005 U	**0.142**	< 0.002 U
AOI_51	RW-0605-S3	11/16/2009			< 0.5 U	< 0.5 U	**6.98**	< 0.5 U	**43.8**	< 0.5 U	**12.2**	< 0.2 U
AOI_51	RW-0605-S3	6/8/2010			< 0.005 U	< 0.005 U	**0.29 J**	< 0.005 U	**21.7 J**	< 0.005 U	< 0.25 U	< 0.002 U
AOI_51	RW-0605-S3	3/18/2011			< 0.05 U	< 0.05 U	0.0644	< 0.05 U	**8.33**	< 0.05 U	**0.306**	< 0.02 U
AOI_51	RW-0605-S3	9/7/2011			< 0.25 U	< 0.25 U	**0.433**	< 0.25 U	**15.5**	< 0.25 U	**0.832**	< 0.1 U
AOI_51	RW-0605-S3	5/17/2012			< 0.005 U	< 0.005 U	**0.207**	< 0.005 U	**7.57**	< 0.005 U	**0.3**	< 0.002 U
AOI_51	RW-0605-S3	10/8/2012			< 0.005 U	< 0.005 U	0.0087	< 0.005 U	**0.246**	< 0.005 U	**0.0133**	< 0.002 U
AOI_51	RW-0605-S3	2/12/2013			< 0.005 U	< 0.005 U	0.0251	< 0.005 U	**0.24**	< 0.005 U	**0.0315**	< 0.002 U
AOI_51	RW-0605-S3	6/18/2013			< 0.005 U	< 0.005 U	0.0192	< 0.005 U	**0.187**	< 0.005 U	**0.0146**	< 0.002 U
AOI_51	RW-0605-S3	11/13/2013			< 0.005 U	< 0.005 U	0.0651	< 0.005 U	**1.41**	< 0.005 U	**0.0746**	< 0.002 U
AOI_51	RW-0605-S3	2/27/2014			< 0.005 U	< 0.005 U	0.0025 J	< 0.005 U	**0.183**	< 0.005 U	0.0048 J	< 0.002 U
AOI_51	RW-1301-S2	1/22/2014			< 0.005 U	< 0.005 U	0.0052	< 0.005 U	**0.0253**	< 0.005 U	**0.0074**	**0.0033**
AOI_51	RW-1301-S2	2/27/2014			< 0.005 U	< 0.005 U	0.0097	< 0.005 U	**0.113**	< 0.005 U	**0.0277**	< 0.002 U
Production_Well	PW-2-S3	8/15/2002			< 0.005 U	< 0.005 U	0.063	< 0.025 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.0096**

AOI	Location ID	Sample Date	Field Duplicate (FD)	Chemical Name / Unit / Depth Interval (ft bgs)	1,1-Dichloroethene mg/L	Carbon tetrachloride mg/L	cis-1,2-Dichloroethene mg/L	Methylene chloride mg/L	Tetrachloroethene mg/L	trans-1,2-Dichloroethene mg/L	Trichloroethene mg/L	Vinyl chloride mg/L
Production_Well	PW-2-S3	4/21/2006			< 0.005 U	< 0.005 U	0.069 J	< 0.007 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.018**
Production_Well	PW-2-S3	2/5/2007			< 0.005 U	< 0.005 U	0.0198	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.0077**
Production_Well	PW-2-S3	7/20/2007			< 0.005 U	< 0.005 U	**0.0849**	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.0297**
Production_Well	PW-2-S3	2/23/2012			< 0.005 U	< 0.005 U	0.0483	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.0098**
Production_Well	PW-2-S3	4/24/2014	N		< 0.005 U	< 0.005 U	0.0478	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.0138**
Drinking Water Criteria (MCL or Region 9)					**0.007**	**0.005**	**0.07**	**0.005**	**0.005**	**0.1**	**0.005**	**0.002**

NOTES:

mg/L-Milligrams per Liter

U- Not Detected above the Laboratory Reporting Limi

J- Estimated Value

UJ-Not Detected above the Laboratory Reporting Limit, value is estimated

MCL-Maximum Contaminant Levels

PDB - PDB

ft bgs - feet below ground surface

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Table 3. Diesel Fuel Plume Groundwater Recovery System Volume
Discharged to the Town of Speedway Sanitary Sewer System. Interim Measures
Semi-Annual Status and Groundwater Monitoring Report, First Half 2014 (January 2014 - June 2014),
Allison Transmission, Inc., Speedway, Indiana.

Date	Discharge Amount (gal)*	Total Discharge (gal)	Percent Run-time
November-05	45,781	45,781	NM
December-05	31,114	76,895	NM
January-06	73,335	150,230	NM
February-06	80,147	230,377	NM
March-06	120,834	351,211	NM
April-06	144,143	495,354	NM
May-06	154,450	649,804	NM
June-06	107,489	757,293	NM
July-06	84,487	841,780	NM
August-06	67,589	909,369	NM
September-06	72,918	982,287	NM
October-06	87,839	1,070,126	NM
November-06	63,920	1,134,046	NM
December-06	66,346	1,200,392	NM
January-07	133,021	1,333,413	84%
February-07	65,353	1,398,766	98%
March-07	155,248	1,554,014	89%
April-07	187,140	1,741,154	95%
May-07	166,833	1,907,987	81%
June-07	157,454	2,065,441	87%
July-07	112,785	2,178,226	74%
August-07	92,256	2,270,482	87%
September-07	89,094	2,359,576	97%
October-07	64,686	2,424,262	87%
November-07	59,691	2,483,953	80%
December-07	91,326	2,575,279	84%
January-08	119,403	2,694,682	97%
February-08	112,264	2,806,946	100%
March-08	118,756	2,925,702	90%
April-08	120,164	3,045,866	100%
May-08	122,034	3,167,900	97%
June-08	193,516	3,361,416	93%
July-08	176,548	3,537,964	100%
August-08	149,852	3,687,816	100%
September-08	108,130	3,795,946	84%
October-08	125,307	3,921,253	100%
November-08	78,114	3,999,367	83%
December-08	66,170	4,065,537	100%
January-09	85,870	4,151,407	100%
February-09	158,890	4,310,297	100%
March-09	183,640	4,493,937	100%
April-09	186,867	4,680,804	87%
May-09	223,829	4,904,633	94%
June-09	226,143	5,130,776	100%
July-09	175,478	5,306,254	97%
August-09	162,925	5,469,179	100%
September-09	109,644	5,578,823	100%
October-09	125,405	5,704,228	97%
November-09	122,027	5,826,255	97%
December-09	96,694	5,922,949	84%
January-10	84,630	6,007,579	65%
February-10	142,711	6,150,290	100%
March-10	158,118	6,308,408	90%
April-10	161,899	6,470,307	97%
May-10	196,817	6,667,124	97%
June-10	290,911	6,958,035	100%
July-10	357,283	7,315,318	100%
August-10	295,290	7,610,608	100%
September-10	228,636	7,839,244	100%
October-10	271,612	8,110,856	100%
November-10	199,189	8,310,045	90%

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Table 3. Diesel Fuel Plume Groundwater Recovery System Volume
Discharged to the Town of Speedway Sanitary Sewer System. Interim Measures
Semi-Annual Status and Groundwater Monitoring Report, First Half 2014 (January 2014 - June 2014),
Allison Transmission, Inc., Speedway, Indiana.

December-10	155,788	8,465,833	77%
January-11	179,516	8,645,349	84%
February-11	212,326	8,857,675	84%
March-11	352,251	9,209,926	100%
April-11	315,215	9,525,141	97%
May-11	427,992	9,953,133	100%
June-11	330,461	10,283,594	97%
July-11	318,258	10,601,852	100%
August-11	379,859	10,981,711	90%
September-11	350,804	11,332,515	90%
October-11	291,673	11,624,188	97%
November-11	377,256	12,001,444	93%
December-11	443,625	12,445,069	100%
January-12	483,274	12,928,343	100%
February-12	422,728	13,351,071	100%
March-12	420,173	13,771,244	97%
April-12	319,023	14,090,267	97%
May-12	221,631	14,311,898	90%
June-12	186,113	14,498,011	100%
July-12	144,133	14,642,144	97%
August-12	159,580	14,801,724	97%
September-12	175,862	14,977,586	100%
October-12	129,438	15,107,024	81%
November-12	205,560	15,312,584	100%
December-12	216,042	15,528,626	100%
January-13	258,115	15,786,741	100%
February-13	252,380	16,039,121	100%
March-13	266,195	16,305,316	100%
April-13	241,970	16,547,286	97%
May-13	252,690	16,799,976	90%
June-13	255,078	17,055,054	100%
July-13	220,493	17,275,547	100%
August-13	194,605	17,470,152	100%
September-13	132,471	17,602,623	90%
October-13	297,959	17,900,582	100%
November-13	339,859	18,240,441	100%
December-13	155,312	18,395,753	100%
January-14	157,254	18,553,007	87%
February-14	163,636	18,716,643	93%
March-14	192,054	18,908,697	100%
April-14	194,359	19,103,056	100%
May-14	169,708	19,272,764	100%
June-14	107,741	19,380,505	90%

NOTES:
1) Discharge of the pre-treated effluent water has been approved by the Town of Speedway through Industrial Waste Discharge Permit Number 2009-3, effective October 01, 2009. The current permit is a revised version of Permit Number 2007-3 (revision due only to name change of permit holder), which was approved on September 24, 2007, and became effective as of October 1, 2007. Prior to October 2007, the discharge was permitted through the Town of Speedway Industrial Waste Discharge Permit Number 2003-1.
2) Currently, Outfall 003.
3.) * - Discharge of BW-5 through BW-10 to the Town of Speedway sanitary sewer.

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Table 4. Diesel Fuel Plume Groundwater Recovery Sytem Effluent Water Analytical Results (Outfall 003), Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014 (January 2014 - June 2014), Allison Transmission, Inc., Speedway, Indiana.

			Total Toxic Organics (TTO)	
SampleDate	Oil&Grease	TPH	Volatiles	Semivolatiles
11/5/2005	ND	ND	NAN	NAN
11/10/2005	ND	ND	NAN	NAN
11/16/2005	ND	ND	NAN	NAN
11/22/2005	ND	ND	NAN	NAN
11/30/2005	ND	ND	NAN	NAN
12/7/2005	ND	ND	NAN	NAN
12/14/2005	ND	ND	NAN	NAN
12/21/2005	ND	ND	ND	0.032
12/27/2005	ND	ND	NAN	NAN
1/4/2006	ND	ND	NAN	NAN
1/11/2006	ND	ND	NAN	NAN
1/18/2006	ND	ND	NAN	NAN
1/25/2006	ND	ND	NAN	NAN
2/1/2006	ND	ND	ND	ND
2/8/2006	ND	ND	NAN	NAN
2/15/2006	ND	ND	NAN	NAN
2/22/2006	ND	ND	NAN	NAN
3/1/2006	ND	ND	NAN	NAN
3/8/2006	ND	ND	NAN	NAN
3/15/2006	7.4	ND	NAN	NAN
3/22/2006	ND	ND	NAN	NAN
3/29/2006	ND	ND	NAN	NAN
4/5/2006	ND	ND	NAN	NAN
4/12/2006	ND	ND	NAN	NAN
4/20/2006	ND	ND	NAN	NAN
4/26/2006	5.1	ND	NAN	NAN
5/3/2006	ND	ND	NAN	NAN
5/10/2006	ND	ND	NAN	NAN
5/18/2006	ND	ND	NAN	NAN
5/24/2006	ND	ND	NM*	0.066
6/1/2006	ND	ND	NAN	NAN
6/7/2006	ND	ND	NAN	NAN
6/14/2006	ND	ND	NAN	NAN
6/21/2006	ND	ND	ND	0.013
6/28/2006	ND	ND	NAN	NAN
7/6/2006	ND	ND	NAN	NAN
7/12/2006	ND	ND	NAN	NAN
7/19/2006	ND	ND	NAN	NAN
7/26/2006	ND	ND	NAN	NAN
8/2/2006	ND	ND	NAN	NAN
8/9/2006	8.3	ND	NAN	NAN
8/16/2006	6.6	ND	NAN	NAN
8/25/2006	17.7	10.5	NAN	NAN
8/30/2006	6.2	ND	NAN	NAN
9/7/2006	7.6	ND	NAN	NAN
9/13/2006	39.1	19.2	ND	0.082
9/20/2006	76.9	20.6	NAN	NAN
9/27/2006	42.9	ND	NAN	NAN
10/4/2006	13	ND	NAN	NAN
10/11/2006	17.7	13.6	NAN	NAN
10/19/2006	ND	ND	NAN	NAN
10/25/2006	ND	ND	NAN	NAN
11/1/2006	ND	ND	NAN	NAN
11/8/2006	ND	ND	NAN	NAN
11/15/2006	ND	ND	NAN	NAN
11/21/2006	ND	ND	ND	ND
11/29/2006	ND	ND	NAN	NAN
12/6/2006	ND	ND	NAN	NAN
12/13/2006	ND	ND	NAN	NAN
12/20/2006	7.5	ND	NAN	NAN
1/4/2007	ND	ND	NAN	NAN
1/10/2007	ND	ND	NAN	NAN
1/17/2007	ND	ND	NAN	NAN

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Table 4. Diesel Fuel Plume Groundwater Recovery Sytem Effluent Water Analytical Results (Outfall 003), Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014 (January 2014 - June 2014), Allison Transmission, Inc., Speedway, Indiana.

			Total Toxic Organics (TTO)	
SampleDate	Oil&Grease	TPH	Volatiles	Semivolatiles
1/24/2007	ND	ND	NAN	NAN
1/31/2007	6.2	ND	ND	NAN
2/7/2007	ND	ND	NAN	NAN
2/15/2007	ND	ND	NAN	NAN
2/21/2007	ND	ND	NAN	NAN
3/7/2007	ND	ND	NAN	NAN
4/11/2007	29.0	19.5	NAN	NAN
5/23/2007	32.8	16.9	ND	ND
6/13/2007	ND	ND	NAN	NAN
7/6/2007	77.6	43.2	NAN	NAN
8/1/2007	179	113	ND	ND
8/22/2007	46	27.8	ND	ND
9/11/2007	237	161	NAN	NAN
10/10/2007	11	7.1	NAN	NAN
11/16/2007	150	70.4	NAN	NAN
12/12/2007	311	138	ND	0.339
1/8/2008	44.0	27.3	NAN	NAN
2/8/2008	64.2	32.5	NAN	NAN
3/4/2008	29.8	8.3	ND	0.017
4/3/2008	ND	ND	NAN	NAN
5/16/2008	27.7	17.1	NAN	NAN
6/3/2008	18.8	7.0	ND	0.011
7/14/2008	ND	ND	NAN	NAN
8/12/2008	79.4	52.1	ND	ND
9/9/2008	6.7	<5.0	NAN	NAN
10/1/2008	14.5	5.2	NAN	NAN
11/3-4/2008	19.6	12.0	ND	0.0112
12/1/2008	201	138	NAN	NAN
1/9/2009	< 5	< 5	NAN	NAN
2/10-11/2009	< 5	< 5	< 0.050	< 0.0562
3/19/2009	< 5	< 5	NAN	NAN
4/3/2009	< 5	< 5	NAN	NAN
5/6/2009	< 5	< 5	NAN	NAN
6/16/2009	< 5	< 5	< 0.050	< 0.0588
7/23/2009	< 5	< 5	NAN	NAN
8/6/2009	< 5	< 5	< 0.050	0.0153
9/15/2009	< 5	< 5	NAN	NAN
10/1/2009	5.7	< 5	NAN	NAN
11/13/2009	25.1	6.3	NAN	NAN
12/30/2009	5.2	< 5	< 0.050	0.0136
1/11/2010	5.2	< 5	NAN	NAN
2/26/2010	< 5	< 5	NAN	NAN
3/4/2010	< 5	< 5	< 0.05	< 0.05
4/14/2010	< 5	< 5	NAN	NAN
5/6/2010	< 5	< 5	< 0.05	0.0386
6/2/2010	5.5	< 5	NAN	NAN
7/6/2010	< 5	< 5	NAN	NAN
8/10/2010	< 5	< 5	0.151	0.007
9/3/2010	< 5	< 5	NAN	NAN
10/1/2010	< 5	< 5	NAN	NAN
11/1/2010	15.3	6.2	0.0522	< 0.0526
12/16/2010	27.6	13.3	NAN	NAN
1/6/2011	< 5	< 5	0.0833	0.0129
2/3/2011	16.4	10.2	NAN	NAN
3/4/2011	15.5	9.1	NAN	NAN
4/1/2011	9.2	6.5	0.0801	< 0.05
5/13/2011	6.3	< 5	NAN	NAN
6/6/2011	8.5	< 5	NAN	NAN
7/15/2011	< 5	< 5	NAN	NAN
8/9/2011	5.2	< 5	0.3740	< 0.05
9/7/2011	< 5	< 5	NAN	NAN
10/3/2011	41.8	23.4	NAN	NAN
11/7/2011	5.6	< 5	NAN	NAN

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Table 4. Diesel Fuel Plume Groundwater Recovery Sytem Effluent Water Analytical Results (Outfall 003), Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014 (January 2014 - June 2014), Allison Transmission, Inc., Speedway, Indiana.

			Total Toxic Organics (TTO)	
SampleDate	Oil&Grease	TPH	Volatiles	Semivolatiles
12/6/2011	15.9	9.0	0.1372	0.0831
1/17/2012	18.7	11.4	NAN	NAN
2/17/2012	37.8	32.6	NAN	NAN
3/9/2012	15.4	7.4	0.1541	0.0225
4/12/2012	5.3	5.1	NAN	NAN
5/4/2012	< 5	< 5	NAN	NAN
6/14/2012	< 5	< 5	< 0.212	< 0.4389
7/3/2012	5.7	< 5	NAN	NAN
8/2/2012	< 5	< 5	0.0093	< 0.0515
9/12/2012	9.0	5.3	NAN	NAN
10/2/2012	22.0	10.6	NAN	NAN
11/8/2012	9.5	5.1	NAN	NAN
12/4/2012	302.0	187.0	NAN	NAN
1/4/2013	130.0	105.0	NAN	NAN
1/11/2013	NAN	NAN	< 0.005	0.0569
1/31/2013	86.7	39.4	NAN	NAN
2/14/2013	11.1	< 5	NAN	NAN
3/15/2013	8.8	< 5	< 0.050	< 0.0526
4/4/2013	5.9	< 5	NAN	NAN
5/2/2013	7.5	< 5	NAN	NAN
6/13/2013	9.5	< 5	NAN	NAN
7/16/2013	2.2	1.7	NAN	NAN
8/1/2013	72.2	16.7	NAN	NAN
9/17/2013	4.2	1.8	<0.05	0.0152
10/14/2013	5.1	2.6	NAN	NAN
11/14/2013	43.2	10.7	NAN	NAN
12/19/2013	8.0	3.7 J	<0.05	0.0062
1/15/2014	0.82	<5	NAN	NAN
2/6/2014	0.93	3.0	NAN	NAN
2/27/2014	NAN	NAN	<0.05	<0.0543
3/6/2014	4.6	1.3	NAN	NAN
4/3/2014	30.5	12.6	NAN	NAN
4/30/2014	27.0	6.7	NAN	NAN
5/2/2014	12.4	4.8	NAN	NAN
6/9/2014	18.9	2.4 J	NAN	NAN
Discharge Limits***		200	2.13**	
Surcharge Limit****	100			

Limit

All sample results are reported in milligrams per liter (mg/L) or parts per million (ppm)

ND - Constituent not detected above laboratory detection limit

NAN - Not Analyzed

* - Pump problem prevented complete TTO sample from being collected

** - TTO permit limit based on combined TTO Volatiles and TTO Semi-Volatiles

*** - Discharge limits set forth in: Modifications to: Allison Transmission, GMC Industrial Waste Discharge Permit No. 2007-3 (effective 1 October 2007), which was later supceded by General Motors, LLC Waste Discharge Permit No. 2009-3 (effective 1 October 2009).

**** - Surcharge applies if oil and grease discharge limits exceeded.

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Table 5. Groundwater TPH Analytical Results, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014 (January 2014 - June 2014), Allison Transmission, Inc., Speedway, Indiana.

			Total Petroleum Hydrocarbons (TPH) mg/l			
Area	Well	Sample Date	TPH - Diesel	TPH - Gasoline	TPH - Mineral Spirits	TPH - Oil
AOI 26 - Former UST Area						
	MW-0103-S1	3/13/2002	< 0.5 U	< 0.25 U	NA	< 1.3 U
		8/14/2002	< 0.43 U	< 1 U	NA	NA
	MW-0104-S2	3/14/2002	7.9 J	< 0.25 U	NA	< 1.3 U
		11/20/2003	3.2	NA	NA	NA
		5/18/2004	2.9	NA	NA	NA
	MW-12-S1	6/1/1992	16	NA	11	NA
		3/15/2002	< 0.5 U	< 0.25 U	NA	< 1.3 U
AOI 40 - Hydrocarbon Plume Area						
	MW-0105-S2	8/15/2002	7.6 J	1.75	NA	NA
	MW-0106-S2	3/15/2002	< 0.5 U	< 0.25 U	NA	< 1.3 U
		8/15/2002	< 0.44 U	< 1 U	NA	NA
		11/21/2003	< 0.40 U	NA	NA	NA
		5/17/2004	<0.86	NA	NA	NA
	MW-0107-S2	3/15/2002	< 0.5 U	< 0.25 U	NA	< 1.3 U
		8/15/2002	1.6 J	< 1 U	NA	NA
		11/21/2003	1.5	NA	NA	NA
		5/17/2004	2.0	NA	NA	NA
	MW-0116-S2	3/15/2002	< 0.5 U	< 0.25 U	NA	< 1.3 U
		8/15/2002	< 0.4 U	< 1 U	NA	NA
	MW-16-S2	6/1/1992	NA	NA	28	NA
		3/15/2002	< 0.5 U	< 0.25 U	NA	< 1.3 U
		8/15/2002	1.7	< 1 U	NA	NA
	MW-30-S2	3/13/2002	< 0.5 U	< 0.25 U	NA	< 1.3 U
		3/13/2002	< 0.5 U	< 0.25 U	NA	< 1.3 U
		8/14/2002	1.0	< 1 U	NA	NA
		11/21/2003	1.1	NA	NA	NA
		11/21/2003	1.3	NA	NA	NA
		5/17/2004	1.1	NA	NA	NA
	MW-31-S2	3/15/2002	< 0.5 U	< 0.25 U	NA	< 1.3 U
		8/14/2002	1.7 J	4.57 J	NA	NA
		8/14/2002	1.3	4.89	NA	NA
	MW-32-S2	3/15/2002	7.3 J	< 0.25 U	NA	< 1.3 U
		8/15/2002	6.8 J	< 1 U	NA	NA
		11/21/2003	2.7	NA	NA	NA
		5/17/2004	3.6	NA	NA	NA

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Table 5. Groundwater TPH Analytical Results, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014 (January 2014 - June 2014), Allison Transmission, Inc., Speedway, Indiana.

			Total Petroleum Hydrocarbons (TPH) mg/l			
Area	Well	Sample Date	TPH - Diesel	TPH - Gasoline	TPH - Mineral Spirits	TPH - Oil
	BW-4	6/1/1992	< 0.1	< 0.1	NA	NA
		12/17/2003	3000	NA	NA	NA
		5/14/2004	90	NA	NA	NA
		11/24/2004	30	NA	NA	NA
		6/29/2005	30	NA	NA	NA
		12/15/2005	29	NA	NA	NA
		6/12/2006	55	NA	NA	NA
		1/2/2007	97	NA	NA	NA
		4/5/2007	436	NA	NA	NA
		12/11/2007	2700	NA	NA	NA
		3/4/2008	141	NA	NA	NA
		6/3/2008	30.8	NA	NA	NA
		8/11/2008	9.2	NA	NA	NA
		11/3/2008	5.1	NA	NA	NA
		2/10/2009	199	NA	NA	NA
		6/16/2009	12.0	NA	NA	NA
		8/11/2009	16.6	NA	NA	NA
		11/16/2009	5.2	NA	NA	NA
		6/8/2010	15.4	NA	NA	NA
		1/7/2011	11.2	NA	NA	NA
		9/7/2011	3.2	NA	NA	NA
		12/12/2012	204	NA	NA	NA
		6/18/2013	608	NA	NA	NA
		11/13/2013	25.2	NA	NA	NA
		6/1/2014	NA	NA	NA	NA
	BW-5	5/21/2001	2400	NA	NA	NA
		5/24/2002	170 J	NA	NA	NA
		11/20/2002	620	NA	NA	NA
		11/20/2002	27	NA	NA	NA
		5/22/2003	1300	NA	NA	NA
		12/17/2003	44	NA	NA	NA
		5/14/2004	7.0	NA	NA	NA
		11/24/2004	420	NA	NA	NA
		6/29/2005	4.0	NA	NA	NA
		12/15/2005	4.3	NA	NA	NA
		6/12/2006	6.0	NA	NA	NA
		1/2/2007	21.0	NA	NA	NA
		4/5/2007	45.5	NA	NA	NA
		12/11/2007	735	NA	NA	NA
		3/4/2008	6.5	NA	NA	NA
		6/3/2008	3.5	NA	NA	NA
		8/11/2008	8.2	NA	NA	NA
		11/3/2008	1340	NA	NA	NA
		2/10/2009	32.7	NA	NA	NA
		6/16/2009	59.9	NA	NA	NA
		8/11/2009	202	NA	NA	NA
		11/16/2009	4.4	NA	NA	NA
		6/8/2010	5.5	NA	NA	NA
		1/7/2011	2.2	NA	NA	NA
		9/7/2011	53.1	NA	NA	NA
		12/4/2012	12.6	NA	NA	NA
		6/18/2013	162	NA	NA	NA
		11/13/2013	2.8	NA	NA	NA
		6/1/2014	NA	NA	NA	NA

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Table 5. Groundwater TPH Analytical Results, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014 (January 2014 - June 2014), Allison Transmission, Inc., Speedway, Indiana.

			Total Petroleum Hydrocarbons (TPH) mg/l			
Area	Well	Sample Date	TPH - Diesel	TPH - Gasoline	TPH - Mineral Spirits	TPH - Oil
	BW-6	5/21/2001	1.3	NA	NA	NA
		5/24/2002	2.4	NA	NA	NA
		11/20/2002	2.0	NA	NA	NA
		5/22/2003	2.9	NA	NA	NA
		12/17/2003	5.3	NA	NA	NA
		5/14/2004	4.0	NA	NA	NA
		11/24/2004	16	NA	NA	NA
		6/29/2005	2.0	NA	NA	NA
		12/15/2005	3.3	NA	NA	NA
		6/12/2006	4.5	NA	NA	NA
		1/2/2007	5	NA	NA	NA
		4/5/2007	4.9	NA	NA	NA
		12/11/2007	8.4	NA	NA	NA
		3/4/2008	49.2	NA	NA	NA
		6/3/2008	4.8	NA	NA	NA
		8/11/2008	3.2	NA	NA	NA
		11/3/2008	8290	NA	NA	NA
		2/10/2009	4.3	NA	NA	NA
		6/16/2009	10.2	NA	NA	NA
		8/11/2009	5.6	NA	NA	NA
		11/16/2009	27.0	NA	NA	NA
		6/8/2010	2.6	NA	NA	NA
		1/7/2011	1.4	NA	NA	NA
		9/7/2011	1.5	NA	NA	NA
		12/4/2012	0.9	NA	NA	NA
		6/18/2013	2.8	NA	NA	NA
		11/13/2013	1.4	NA	NA	NA
		6/1/2014	NA	NA	NA	NA
	BW-7	5/21/2001	1800	NA	NA	NA
		5/24/2002	280 J	NA	NA	NA
		11/20/2002	3500	NA	NA	NA
		5/22/2003	490	NA	NA	NA
		12/17/2003	44	NA	NA	NA
		7/7/2004	5.9	NA	NA	NA
		11/24/2004	490	NA	NA	NA
		6/29/2005	3.6	NA	NA	NA
		12/15/2005	860	NA	NA	NA
		6/12/2006	5.4	NA	NA	NA
		1/2/2007	11	NA	NA	NA
		4/5/2007	9.5	NA	NA	NA
		12/11/2007	2030	NA	NA	NA
		3/4/2008	47.8	NA	NA	NA
		6/3/2008	4.8	NA	NA	NA
		8/11/2008	6.8	NA	NA	NA
		11/3/2008	30,900	NA	NA	NA
		2/10/2009	48.6	NA	NA	NA
		6/16/2009	1,400	NA	NA	NA
		8/11/2009	3.7	NA	NA	NA
		11/16/2009	504	NA	NA	NA
		6/8/2010	6.8	NA	NA	NA
		1/7/2011	26	NA	NA	NA
		9/7/2011	4.1	NA	NA	NA
		12/4/2012	28.1	NA	NA	NA
		6/18/2013	15.9	NA	NA	NA
		11/13/2013	56.5	NA	NA	NA
		6/1/2014	NA	NA	NA	NA

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Table 5. Groundwater TPH Analytical Results, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014 (January 2014 - June 2014), Allison Transmission, Inc., Speedway, Indiana.

			Total Petroleum Hydrocarbons (TPH) mg/l			
Area	Well	Sample Date	TPH - Diesel	TPH - Gasoline	TPH - Mineral Spirits	TPH - Oil
	BW-8	5/21/2001	150	NA	NA	NA
		5/24/2002	9400 J	NA	NA	NA
		11/20/2002	760	NA	NA	NA
		5/22/2003	24	NA	NA	NA
		12/17/2003	7.2	NA	NA	NA
		5/14/2004	2.4	NA	NA	NA
		11/24/2004	1600	NA	NA	NA
		6/29/2005	3.4	NA	NA	NA
		12/15/2005	29	NA	NA	NA
		6/12/2006	3.6	NA	NA	NA
		1/2/2007	NA	NA	NA	NA
		4/5/2007	10.5	NA	NA	NA
		12/11/2007	2270	NA	NA	NA
		3/4/2008	9.1	NA	NA	NA
		6/3/2008	342	NA	NA	NA
		8/11/2008	8.7	NA	NA	NA
		11/3/2008	6150	NA	NA	NA
		2/10/2009	165	NA	NA	NA
		6/16/2009	98.7	NA	NA	NA
		8/11/2009	2040	NA	NA	NA
		11/16/2009	218	NA	NA	NA
		6/8/2010	16.3	NA	NA	NA
		1/7/2011	105	NA	NA	NA
		9/7/2011	4.2	NA	NA	NA
		12/4/2012	675	NA	NA	NA
		6/18/2013	4.3	NA	NA	NA
		11/13/2013	63.7	NA	NA	NA
		6/1/2014	NA	NA	NA	NA
	BW-9	5/21/2001	3300	NA	NA	NA
		5/24/2002	13 J	NA	NA	NA
		11/20/2002	580	NA	NA	NA
		5/22/2003	9.2	NA	NA	NA
		12/17/2003	2.8	NA	NA	NA
		5/14/2004	1.7	NA	NA	NA
		11/24/2004	710	NA	NA	NA
		6/29/2005	2.0	NA	NA	NA
		12/15/2005	16	NA	NA	NA
		6/12/2006	1.9	NA	NA	NA
		1/2/20007	2	NA	NA	NA
		4/5/2007	2.5	NA	NA	NA
		12/11/2007	2150	NA	NA	NA
		3/4/2008	4.6	NA	NA	NA
		6/3/2008	5.7	NA	NA	NA
		8/11/2008	4.7	NA	NA	NA
		11/3/2008	82.4	NA	NA	NA
		2/10/2009	5.3	NA	NA	NA
		6/16/2009	1.6	NA	NA	NA
		8/11/2009	1.9	NA	NA	NA
		11/16/2009	829	NA	NA	NA
		6/8/2010	1.4	NA	NA	NA
		1/7/2011	98.2	NA	NA	NA
		9/7/2011	4.1	NA	NA	NA
		12/4/2012	30.1	NA	NA	NA
		6/18/2013	6.8	NA	NA	NA
		11/13/2013	15.9	NA	NA	NA
		6/1/2014	NA	NA	NA	NA

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Table 5. Groundwater TPH Analytical Results, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014 (January 2014 - June 2014), Allison Transmission, Inc., Speedway, Indiana.

			Total Petroleum Hydrocarbons (TPH) mg/l			
Area	Well	Sample Date	TPH - Diesel	TPH - Gasoline	TPH - Mineral Spirits	TPH - Oil
	BW-10	5/21/2001	2.8	NA	NA	NA
		5/24/2002	5.1	NA	NA	NA
		11/20/2002	8.2	NA	NA	NA
		5/22/2003	16	NA	NA	NA
		12/17/2003	2.9	NA	NA	NA
		5/14/2004	2.1	NA	NA	NA
		11/24/2004	12	NA	NA	NA
		6/29/2005	2.6	NA	NA	NA
		12/15/2005	3.5	NA	NA	NA
		6/12/2006	2.1	NA	NA	NA
		1/2/2007	3	NA	NA	NA
		4/5/2007	3.8	NA	NA	NA
		12/11/2007	78.5	NA	NA	NA
		3/4/2008	2.9	NA	NA	NA
		6/3/2008	4.2	NA	NA	NA
		8/11/2008	3.0	NA	NA	NA
		11/3/2008	114	NA	NA	NA
		2/10/2009	NA	NA	NA	NA
		6/16/2009	2.1	NA	NA	NA
		8/11/2009	3.1	NA	NA	NA
		11/16/2009	8.2	NA	NA	NA
		6/8/2010	1.1	NA	NA	NA
		1/7/2011	1.5	NA	NA	NA
		9/7/2011	1.1	NA	NA	NA
		12/4/2012	3.8	NA	NA	NA
		6/18/2013	1.4	NA	NA	NA
		11/13/2013	60.2	NA	NA	NA
		6/1/2014	NA	NA	NA	NA
	BW-11	12/15/2005	3.6	NA	NA	NA
		6/12/2006	7.2	NA	NA	NA
		1/2/2007	68	NA	NA	NA
		4/5/2007	526	NA	NA	NA
		12/11/2007	233	NA	NA	NA
		3/4/2008	149	NA	NA	NA
		6/3/2008	182	NA	NA	NA
		8/11/2008	32.5	NA	NA	NA
		11/3/2008	8.7	NA	NA	NA
		2/10/2009	8.3	NA	NA	NA
		6/16/2009	10.7	NA	NA	NA
		8/11/2009	22.1	NA	NA	NA
		11/16/2009	1020	NA	NA	NA
		6/8/2010	6.7	NA	NA	NA
		1/7/2011	3.8	NA	NA	NA
		9/7/2011	9.6	NA	NA	NA
		12/12/2012	8.0	NA	NA	NA
		6/18/2013	77.4	NA	NA	NA
		11/13/2013	15.5	NA	NA	NA
		6/1/2014	NA	NA	NA	NA

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Table 5. Groundwater TPH Analytical Results, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014 (January 2014 - June 2014), Allison Transmission, Inc., Speedway, Indiana.

			Total Petroleum Hydrocarbons (TPH) mg/l			
Area	Well	Sample Date	TPH - Diesel	TPH - Gasoline	TPH - Mineral Spirits	TPH - Oil
	BW-12	12/15/2005	20	NA	NA	NA
		6/12/2006	53	NA	NA	NA
		1/2/2007	49	NA	NA	NA
		4/5/2007	242	NA	NA	NA
		12/11/2007	18.1	NA	NA	NA
		3/4/2008	7.6	NA	NA	NA
		6/3/2008	4.3	NA	NA	NA
		8/11/2008	7.6	NA	NA	NA
		11/3/2008	4.1	NA	NA	NA
		2/10/2009	6.3	NA	NA	NA
		6/16/2009	80.6	NA	NA	NA
		8/11/2009	669	NA	NA	NA
		11/16/2009	61.7	NA	NA	NA
		6/8/2010	12.1	NA	NA	NA
		1/7/2011	34.2	NA	NA	NA
		9/7/2011	30.5	NA	NA	NA
		6/18/2013	430	NA	NA	NA
		11/13/2013	4.8	NA	NA	NA
		6/1/2014	NA	NA	NA	NA

NOTES:

1.) Analytical data presented in milligrams per liter (ppm)

2.) NA Not Applicable/Not Available or Not Analyzed

3.) Samples analyzed after April 2001 and before December 2002 were validated and if a qualifier was assigned to a result, the qualifier is presented after the result. Following are descriptions of qualifiers:

D - compound at secondary dilution factor

R - Rejected

U - compound was not detected

UJ - compound was detected below the detection limit

DJ - compound was estimated at a secondary dilution factor

J - compound estimated below detection limits

NE - Not Established

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Table 6. Volume of Water Pumped and TPH Mass Removal, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014 (January 2014- June 2014), Allison Transmission, Inc., Speedway, Indiana.

Recovery Well	Date	Volume of Water Pumped (gal)	TPH - Diesel Removed (lbs)	Average TPH Concentrations (mg/L)
BW-4	April - December 2001	53,000	--	--
	January - June 2002	217,000	--	--
	July - December 2002[1]	72,000	--	--
	January - June 2003[2]	218,224	--	--
	July - December 2003[3]	229,741	5,752	3,000
	January - June 2004[4]	471,138	354	90
	July - December 2004[5]	491,813	123	30
	January - June 2005[6]	563,138	141	30
	July - December 2005[7]	240,062	58.1	29
	January - June 2006[8]	637,493	293	55
	July - December 2006[9]	518,053	419	97
	January - June 2007[11]	513,095	1,867	436
	July - December 2007[12]	43,185	973	2,700
	January - June 2008[13]	7,270	5.21	86
	July - December 2008[14]	7,306	0.44	7
	January - June 2009	10,444	8.89	102
	July - December 2009	9,929	1.18	14
	January - June 2010[15]	6,998	0.64	11
	July - December 2010	10,173	1.31	15.4
	January - June 2011	163,256	15.26	11.2
	July - December 2011	115,964	3.10	3.2
	January - June 2012	30,489	0.81	3.2
	July - December 2012	242,215	412	204
	January - June 2013	431,418	2,189	608
	July - December 2013	322,983	68	25.2
	January - June 2014	0	0	25.2
	Cumulative Results	5,626,387	12,686	--
BW-5	April - December 2001	324,700	6,503	2400
	January - June 2002	306,300	435	170
	July - December 2002[1]	87,500	236	324
	January - June 2003[2]	112,439	1,220	1,300
	July - December 2003[3]	94,881	34.8	44
	January - June 2004[4]	99,647	5.82	7.0
	July - December 2004[5]	59,010	207	420
	January - June 2005[6]	26,843	0.90	4.0
	July - December 2005[7]	37,443	1.34	4.3
	January - June 2006[0]	71,956	3.60	6.0
	July - December 2006[9]	33,666	5.90	21.0
	January - June 2007[11]	62,562	23.8	45.5
	July - December 2007[12]	21,724	133	735
	January - June 2008[13]	99,798	4.16	5.0
	July - December 2008[14]	55,348	311	674
	January - June 2009	88,535	34.2	46
	July - December 2009	35,540	30.6	103
	January - June 2010[15]	71,137	2.9	5
	July - December 2010	17,654	0.8	5.5
	January - June 2011	49,303	0.9	2.2
	July - December 2011	46,412	20.6	53.1
	January - June 2012	50,414	22.3	53.1
	July - December 2012	27,400	2.9	12.6
	January - June 2013	76,013	102.8	162.0
	July - December 2013	24,193	0.6	2.8
	January - June 2014	64,350	1.5	2.8
	Cumulative Results	2,044,767	9,346	--

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Table 6. Volume of Water Pumped and TPH Mass Removal, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014 (January 2014- June 2014), Allison Transmission, Inc., Speedway, Indiana.

Recovery Well	Date	Volume of Water Pumped (gal)	TPH - Diesel Removed (lbs)	Average TPH Concentrations (mg/L)
BW-6	April - December 2001	130,100	1.41	1.3
	January - June 2002	53,200	1.07	2.4
	July - December 2002[1]	49,900	0.83	2.0
	January - June 2003[2]	120,802	2.92	2.9
	July - December 2003[3]	167,153	7.39	5.3
	January - June 2004[4]	138,061	4.61	4.0
	July - December 2004[5]	63,727	8.51	16.0
	January - June 2005[6]	13,644	0.23	2.0
	July - December 2005[7]	22,615	0.62	3.3
	January - June 2006[8]	84,088	3.16	4.5
	July - December 2006[9]	77,357	3.23	5.0
	January - June 2007[11]	154,572	6.32	4.9
	July - December 2007[12]	85,975	6.03	8.4
	January - June 2008[13]	167,929	37.8	27
	July - December 2008[14]	201,190	6,962	4,147
	January - June 2009	186,999	11.3	7
	July - December 2009	138,309	18.8	16
	January - June 2010[15]	132,312	16.3	15
	July - December 2010	77,432	1.7	2.6
	January - June 2011	230,948	2.7	1.4
	July - December 2011	89,120	1.1	1.5
	January - June 2012	119,214	1.5	1.5
	July - December 2012	75,679	0.6	0.9
	January - June 2013	97,084	2.3	2.8
	July - December 2013	115,502	1	1.4
	January - June 2014	165,081	2	1.4
	Cumulative Results	2,957,993	7,106	--
BW-7	April - December 2001	332,100	4,989	1800
	January - June 2002	617,900	1,444	280
	July - December 2002[1]	330,500	9,654	3,500
	January - June 2003[2]	177,191	725	490
	July - December 2003[3]	510,450	187	44
	January - June 2004[4]	179,897	8.86	5.9
	July - December 2004[5]	299,396	1,224	490
	January - June 2005[6]	215,190	6.47	3.6
	July - December 2005[7]	88,037	632	860
	January - June 2006[0]	159,487	7.19	5.4
	July - December 2006[9]	167,110	15.34	11
	January - June 2007[11]	200,259	15.88	9.5
	July - December 2007[12]	81,842	1,386	2030
	January - June 2008[13]	284,054	62.35	26
	July - December 2008[14]	114,345	14,746	15,453
	January - June 2009	150,208	908	724
	July - December 2009	241,303	511	254
	January - June 2010[15]	284,168	605.7	255
	July - December 2010	131,327	7.5	6.8
	January - June 2011	272,970	59.2	26
	July - December 2011	188,676	6.5	4
	January - June 2012	274,531	9.4	4
	July - December 2012	248,377	58.2	28
	January - June 2013	322,367	42.8	16
	July - December 2013	241,747	114	56.5
	January - June 2014	326,359	154	56.5
	Cumulative Results	6,439,791	37,579	--

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Table 6. Volume of Water Pumped and TPH Mass Removal, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014 (January 2014- June 2014), Allison Transmission, Inc., Speedway, Indiana.

Recovery Well	Date	Volume of Water Pumped (gal)	TPH - Diesel Removed (lbs)	Average TPH Concentrations (mg/L)
BW-8	April - December 2001	236,400	296	150
	January - June 2002	212,700	16,686	9400
	July - December 2002[1]	147,700	937	760
	January - June 2003[2]	195,730	39.2	24
	July - December 2003[3]	197,862	11.9	7.2
	January - June 2004[4]	125,302	2.51	2.4
	July - December 2004[5]	105,053	1,403	1600
	January - June 2005[6]	120,367	3.42	3.4
	July - December 2005[7]	47,542	11.5	29
	January - June 2006[8]	127,699	3.84	3.6
	July - December 2006[9]	48,525	NA*	NA*
	January - June 2007[11]	139,951	12.3	10.5
	July - December 2007[12]	96,349	1,825	2270
	January - June 2008[13]	166,686	244	176
	July - December 2008[14]	98,388	2,528	3,079
	January - June 2009	181,178	199	132
	July - December 2009	146,103	1,377	1,129
	January - June 2010[15]	228,193	223	117
	July - December 2010	67,910	9	16.3
	January - June 2011	208,974	183	105
	July - December 2011	142,782	5	4
	January - June 2012	218,971	192	105
	July - December 2012	149,143	840	675
	January - June 2013	256,265	9	4
	July - December 2013	163,831	87	63.7
	January - June 2014	259,522	138	63.7
	Cumulative Results	4,089,126	27,266	--
BW-9	April - December 2001	112,800	3,106	3300
	January - June 2002	118,400	12.8	13
	July - December 2002[1]	51,300	248	580
	January - June 2003[2]	108,995	8.37	9.2
	July - December 2003[3]	66,703	1.56	2.8
	January - June 2004[4]	20,624	0.29	1.7
	July - December 2004[5]	19,472	115	710
	January - June 2005[6]	33,433	0.56	2.0
	July - December 2005[7]	20,688	2.76	16.0
	January - June 2006[0]	31,310	0.50	1.9
	July - December 2006[9]	15,968	0.27	2.0
	January - June 2007[11]	47,704	1.00	2.5
	July - December 2007[12]	1,282	23.0	2150
	January - June 2008[13]	35,758	1.54	5.2
	July - December 2008[14]	10,059	3.66	44
	January - June 2009	20,111	0.58	3
	July - December 2009	27,566	95.6	415
	January - June 2010[15]	28,001	97.02	415
	July - December 2010	14,715	0.17	1.4
	January - June 2011	45,076	36.94	98.2
	July - December 2011	30,574	1.05	4.1
	January - June 2012	34,352	1.18	4.1
	July - December 2012	16,601	4.17	30.1
	January - June 2013	60,434	3.43	6.8
	July - December 2013	25,729	3	15.9
	January - June 2014	35,295	5	15.9
	Cumulative Results	1,032,949	3,775	--

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Table 6. Volume of Water Pumped and TPH Mass Removal, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014 (January 2014- June 2014), Allison Transmission, Inc., Speedway, Indiana.

Recovery Well	Date	Volume of Water Pumped (gal)	TPH - Diesel Removed (lbs)	Average TPH Concentrations (mg/L)
BW-10	April - December 2001	329,200	7.69	2.8
	January - June 2002	167,000	7.11	5.1
	July - December 2002[1]	120,800	8.27	8.2
	January - June 2003[2]	129,790	17.3	16
	July - December 2003[3]	191,657	4.64	2.9
	January - June 2004[4]	196,193	3.44	2.1
	July - December 2004[5]	153,064	15.3	12
	January - June 2005[6]	145,987	3.17	2.6
	July - December 2005[7]	57,671	1.68	3.5
	January - June 2006[8]	149,940	2.63	2.1
	July - December 2006[9]	94,371	2.36	3.0
	January - June 2007[11]	153,911	4.88	3.8
	July - December 2007[12]	68,572	44.9	78.5
	January - June 2008[13]	15,252	0.45	3.6
	July - December 2008[14]	462,652	226	58.5
	January - June 2009	113,269	1.99	2.1
	July - December 2009	205,207	9.68	5.7
	January - June 2010[15]	105,818	4.11	4.7
	July - December 2010	59,535	0.55	1.1
	January - June 2011	176,503	2.21	1.5
	July - December 2011	233,888	2.15	1.1
	January - June 2012	283,959	2.61	1.1
	July - December 2012	233,376	7.40	3.8
	January - June 2013	266,795	3.12	1.4
	July - December 2013	242,893	122	60.2
	January - June 2014	244,553	123	60.2
	Cumulative Results	4,601,857	628	--
BW-11	July - December 2005[7]	17,851	0.54	3.6
	January - June 2006[8]	29,681	1.78	7.2
	July - December 2006[9]	1,888	1.07	68
	January - June 2007[11]	15,901	69.8	526
	July - December 2007[12]	7,900	15.4	233
	January - June 2008[13]	1	0.00	166
	July - December 2008[14]	16	0.00	20.6
	January - June 2009	18	0.00	10
	July - December 2009	79,736	347	521
	January - June 2010[15]	5,826	24.96	513
	July - December 2010	85,131	4.76	6.7
	January - June 2011	1,134	0.04	3.8
	July - December 2011	3,488	0.28	9.6
	January - June 2012	1,745	0.14	9.6
	July - December 2012	1,766	0.12	8.0
	January - June 2013	1,778	1.15	77.4
	July - December 2013	8	0	15.5
	January - June 2014	0	0	15.5
	Cumulative Results	253,866	466.7	--

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Table 6. Volume of Water Pumped and TPH Mass Removal, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014 (January 2014- June 2014), Allison Transmission, Inc., Speedway, Indiana.

Recovery Well	Date	Volume of Water Pumped (gal)	TPH - Diesel Removed (lbs)	Average TPH Concentrations (mg/L)
BW-12	July - December 2005[7]	55,290	9.23	20.0
	January - June 2006[8]	287,189	127.0	53.0
	July - December 2006[9]	339,255	138.7	49.0
	January - June 2007[11]	877,036	1,771	242
	July - December 2007[12]	704,951	106	18.1
	January - June 2008[13]	754,530	37.5	5.95
	July - December 2008[14]	218,842	10.7	5.85
	January - June 2009	728,141	264	43
	July - December 2009	521,760	1,591	365
	January - June 2010[15]	169,484	52.2	37
	July - December 2010	332,513	33.6	12.1
	January - June 2011	517,215	147.6	34.2
	July - December 2011	637,619	162.3	30.5
	January - June 2012	735,451	187.2	30.5
	July - December 2012	0	0.0	30.5
	January - June 2013	0	0.0	430
	July - December 2013	195,784	8	4.8
	January - June 2014	0	0	4.8
	Cumulative Results	7,075,060	4,646	--

Total Volume of Water Pumped = 34,121,797 gal
Average Gallons/Day Pumped[9] = 7,100 gal
Total TPH-Diesel Removed to Date[10] = 103,500 pounds
Total TPH-Diesel Removed for Current Time Period [10] = 423 pounds

^Barrier well not sampled, pump was not operational

Values presented above are estimates. Flowmeters for individual wells are not calibrated annually. Additionally, due to low flow rates, the appropriately sized flow meters are small diameter, therefore small flow meter orifices, which are prone to fouling, which stops data collection until cleaning. Therefore, the values presented are typically under-reporting the total volume of fluids processed.

Notes:

1.) Average TPH concentration is calculated using TPH concentrations reported for samples collected on 5/21/01, 5/24/02, 11/20/02.
2.) TPH concentration as reported for samples collected on 5/22/03.
3.) TPH concentration as reported for samples collected on 12/17/03.
4.) TPH concentration as reported for samples collected on 5/14/04.
5.) TPH concentration as reported for samples collected on 11/24/04.
6.) TPH concentration as reported for samples collected on 6/29/05.
7.) TPH concentration as reported for samples collected on 12/15/05.
8.) TPH concentration as reported for samples collected on 6/12/06.
9.) Average gallons/day pumped since system began operation in April 2001.
10.) Value calculated assuming that 1 lb of water = 0.85 lbs of TPH-Diesel.
11.) TPH concentration as reported for samples collected on 4/5/2007.
12.) TPH concentration as reported for samples collected on 12/11/2007.
13.) Average TPH concentration is calculated using TPH concentrations reported for samples collected on 3/4/08 and 6/3/2007.
14.) Average TPH concentration is calculated using TPH concentrations reported for samples collected on 08/11/08 and 11/03/08.
15.) Average TPH concentration is calculated using TPH concentrations reported for samples collected on 11/16/09 and 06/08/10.
16.) TPH concentration is estimated using TPH concentrations reported for samples collected on 06/08/10.

Table 7. Diesel Fuel Plume Groundwater Recovery System Monitoring Well Absorbent Sock Change-Out Log for 2003 - June 2014. Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014 (January 2014 - June 2014), Allison Transmission, Inc., Speedway, Indiana.

Date	Monitoring Wells														
	MW-12-S1	MW-16-S2	MW-28-S2	MW-30-S2	MW-31-S2	MW-32-S2	MW-33-S2	MW-34-S2	MW-0104-S2	MW-0105-S2	MW-0106-S2	MW-0107-S2	MW-0116-S2	OSBW-4	BW-4
1/21/2003	--	--	--	--	100% saturated, sock changed-out	100% saturated, sock changed-out	--	--	--	--	--	--	--	--	
2/26/2003	--	--	--	--	--	--	--	--	--	100% saturated, sock changed-out	--	--	--	--	
3/26/2003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
4/22/2003	--	--	--	--	--	--	--	--	--	--	100% saturated, sock changed-out	--	--	--	
5/13/2003, 5/22/2003	--	--	--	--	--	--	--	--	--	100% saturated, sock changed-out	--	--	--	--	
6/20/2003	--	--	100% saturated, sock changed-out	--	100% saturated, sock changed-out	--	100% saturated, sock changed-out	100% saturated, sock changed-out	--	100% saturated, sock changed-out	100% saturated, sock changed-out	--	--	100% saturated, sock changed-out	
7/31/03, 8/1/2003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
9/18/2003[3]	--	--	30% saturated	--	--	30% saturated	--	--	--	100% saturated, sock changed-out	--	--	--	100% saturated, sock changed-out	
10/21/2003	--		40% saturated	--	--	30% saturated	--	--	--	90% saturated, sock changed-out	--	--	--	20% saturated	
11/13/2003[4]	--	--	50% saturated, sock changed-out	--	--	100% saturated, sock changed-out	--	--	--	90% saturated, sock changed-out	--	--	--	90% saturated, sock changed-out	
12/17/2003	--	--	100% saturated, sock changed-out	--	--	20% saturated	--	--	--	20% saturated	--	--	--	90% saturated, sock changed-out	
Hydrocarbons Recovered[5] 2003 (gal)	**0.00**	**0.00**	**0.75**	**0.00**	**0.60**	**0.60**	**0.30**	**0.30**	**0.00**	**1.74**	**0.60**	**0.00**	**0.00**	**1.02**	
1/21/2004[4]		--	90% saturated, sock changed-out	--	--	90% saturated, sock changed-out	--	--	--	100% saturated, sock changed-out	--	--	--	100% saturated, sock changed-out	
2/24/2004	began checking well, sock installed	--	90% saturated, sock changed-out	30% saturated	--	80% saturated, sock changed-out	--	--	--	100% saturated, sock changed-out	--	--	--	80% saturated, sock changed-out	
3/23/2004	90% saturated, sock changed-out	--	20% saturated	--	--	10% saturated	100% saturated, sock changed-out	--	--	90% saturated, sock changed-out	--	--	--	100% saturated, sock changed-out	
4/23/2004	10% saturated, sock changed-out	--	30% saturated, sock changed-out	100% saturated, sock changed-out	75% saturated, sock changed-out	10% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	--	50% saturated, sock changed-out	0%, sock changed-out	0%, sock changed-out	0%, sock changed-out	100% saturated, sock changed-out	
5/14/2004[4,6]	sock removed for groundwater sampling	--	sock removed for groundwater sampling	sock removed for groundwater sampling	sock removed for groundwater sampling	sock removed for groundwater sampling	sock removed for groundwater sampling	sock removed for groundwater sampling	--	sock removed for groundwater sampling	sock removed for groundwater sampling	sock removed for groundwater sampling	sock removed for groundwater sampling	sock removed for groundwater sampling	
6/24/2004	no LNAPL present, sock not installed	--	--	--	--	no LNAPL present, sock not installed	--	--	--	no LNAPL present, sock not installed	--	--	--	sock installed	
7/26/2004	0% saturated	--	0% saturated	--	--	0% saturated	--	--	--	100% saturated, sock changed-out	--	--	--	15% saturated	
8/31/2004	0% saturated	--	0% saturated	--	--	0% saturated	--	--	--	0% saturated	--	--	--	30% saturated	
9/30/2004	15% saturated	--	20% saturated	--	--	20% saturated	--	--	--	100% saturated, sock changed-out	--	--	--	100% saturated, sock changed-out	
10/28/2004	0% saturated	--	25% saturated	--	--	0% saturated	--	--	--	100% saturated, sock changed-out	--	--	--	100% saturated, sock changed-out	
11/24/2004[4]	0% saturated, sock changed-out	--	30% saturated, sock changed-out	20% saturated, sock changed-out	20% saturated, sock changed-out	20% saturated, sock changed-out	20% saturated, sock changed-out	20% saturated, sock changed-out	--	100% saturated, sock changed-out	0% saturated , sock changed-out	0% saturated, sock changed-out	0% saturated, sock changed-out	100% saturated, sock changed-out	
12/7/2004	5% saturated	--	20% saturated	--	--	10% saturated	--	--	--	100% saturated, sock changed-out	--	--	--	80% saturated, sock changed-out	

Table 7. Diesel Fuel Plume Groundwater Recovery System Monitoring Well Absorbent Sock Change-Out Log for 2003 - June 2014. Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014 (January 2014 - June 2014), Allison Transmission, Inc., Speedway, Indiana.

Date	Monitoring Wells													Cumulative Hydrocarbons Recovered[5]
	BW-11	BW-12	MW-0410-S2	MW-0411-S2	MW-0412-S2	MW-0413-S1	MW-0526-S2A	MW-0610-S2	MW-0611-S1	MW-0622-S2A	MW-0631-S1	MW-S2-0601	MW-24-S2	
1/21/2003			--	--	--	--	--	--	--	--				0.6
2/28/2003			--	--	--	--	--	--	--	--				0.9
3/26/2003			--	--	--	--	--	--	--	--				0.90
4/22/2003			--	--	--	--	--	--	--	--				1.20
5/13/2003, 5/22/2003			--	--	--	--	--	--	--	--				1.50
6/20/2003			--	--	--	--	--	--	--	--				3.60
7/31/03, 8/1/2003			--	--	--	--	--	--	--	--				3.60
9/18/2003[3]			--	--	--	--	--	--	--	--				4.20
10/21/2003			--	--	--	--	--	--	--	--				4.47
11/13/2003[4]			--	--	--	--	--	--	--	--				5.34
12/17/2003			--	--	--	--	--	--	--	--				5.91
Hydrocarbons Recovered[5] 2003 (gal)			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				5.91
1/21/2004[4]			--	--	--	--	--	--	--	--				1.14
2/24/2004			--	--	--	--	--	--	--	--				2.19
3/23/2004			--	--	--	--	--	--	--	--				3.33
4/23/2004			--	--	--	--	--	--	--	--				5.06
5/14/2004[4,6]			--	--	--	--	--	--	--	--				5.06
6/24/2004			began checking well, no sock installed	began checking well, no sock installed	began checking well, sock installed	began checking well, sock installed	--	--	--	--				5.06
7/26/2004			0% saturated	0% saturated	20% saturated	100% saturated, sock changed-out	--	--	--	--				5.36
8/31/2004			0% saturated	0% saturated	100% saturated, sock changed-out	100% saturated, sock changed-out	--	--	--	--				5.96
9/30/2004			10% saturated	10% saturated	20% saturated	100% saturated, sock changed-out	--	--	--	--				6.86
10/28/2004			10% saturated	0% saturated	0% saturated	100% saturated, sock changed-out	--	--	--	--				7.76
11/24/2004[4]			10% saturated, sock changed-out	40% saturated, sock changed-out	50% saturated, sock changed-out	100% saturated, sock changed-out	--	--	--	--				9.35
12/7/2004			10% saturated	00% saturated, sock changed-out	00% saturated, sock changed-out	100% saturated, sock changed-out	--	--	--	--				10.67

Table 7. Diesel Fuel Plume Groundwater Recovery System Monitoring Well Absorbent Sock Change-Out Log for 2003 - June 2014. Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014 (January 2014 - June 2014), Allison Transmission, Inc., Speedway, Indiana.

Date	Monitoring Wells														
	MW-12-S1	MW-16-S2	MW-28-S2	MW-30-S2	MW-31-S2	MW-32-S2	MW-33-S2	MW-34-S2	MW-0104-S2	MW-0105-S2	MW-0106-S2	MW-0107-S2	MW-0116-S2	OSBW-4	BW-4
Hydrocarbons Recovered[a] 2004 (gal)	0.30	0.00	0.72	0.36	0.29	0.60	0.66	0.36	0.00	2.52	0.00	0.00	0.00	2.28	
1/31/2005	0% saturated	--	0% saturated	--	--	10% saturated	--	--	--	100% saturated, sock changed-out	--	--	--	100% saturated, sock changed-out	
2/24/2005	10% saturated	--	20% saturated	--	--	10% saturated	--	--	--	100% saturated, sock changed-out	--	--	--	100% saturated, sock changed-out	
3/29/2005	20% saturated	--	100% saturated, sock changed-out	--	--	25% saturated	--	--	0% saturated, sock changed-out	100% saturated, sock changed-out	--	--	--	100% saturated, sock changed-out	
4/28/2005	25% saturated	--	0% saturated	--	--	30% saturated	--	--	25% saturated, sock changed-out	100% saturated, sock changed-out	--	--	--	100% saturated, sock changed-out	
5/31/2005	25% saturated, sock changed-out	--	10% saturated, sock changed-out	--	--	30% saturated	--	--	50% saturated, sock changed-out	100% saturated, sock changed-out	--	--	--	100% saturated, sock changed-out	
6/29/2005	25% saturated, sock changed-out	--	10% saturated, sock changed-out	10% saturated, sock changed-out	20% saturated, sock changed-out	30% saturated, sock changed-out	25% saturated, sock changed-out	100% saturated, sock changed-out	75% saturated, sock changed-out	100% saturated, sock changed-out	0% saturated , sock changed-out	0% saturated, sock changed-out	0% saturated, sock changed-out	100% saturated, sock changed-out	
7/29/2005	80% saturated, sock changed out	--	30% saturated	--	--	60% saturated	--	--	100% saturated, sock changed-out	100% saturated, sock changed-out	--	--	--	60% saturated, sock changed-out	
8/31/2005	20% saturated	--	50% saturated	--	--	70% saturated	--	--	50% saturated	100% saturated, sock changed-out	--	--	--	100% saturated, sock changed-out	
9/30/2005	20% saturated, sock changed-out	0% saturated, sock changed out	70% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	80% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	75% saturated, sock changed-out	75% saturated, sock changed-out	10% saturated, sock changed-out	0% saturated, sock changed-out	10% saturated, sock changed-out	100% saturated, sock changed-out	
10/31/2005	5% saturated	--	60% saturated, sock changed-out	--	--	100% saturated, sock changed-out	--	--	50% saturated, sock changed-out	100% saturated, sock changed-out	--	--	--	100% saturated, sock changed-out	
11/29/2005	10% saturated	--	60% saturated, sock changed-out	--	--	50% saturated	--	--	75% saturated, sock changed-out	100% saturated, sock changed-out	--	--	--	100% saturated, sock changed-out	
12/22/2005	25% saturated, sock changed-out	0% saturated, sock changed out	100% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	75% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	--	100% saturated, sock changed-out	25% saturated , sock changed-out	10% saturated, sock changed-out	25% saturated, sock changed-out	100% saturated, sock changed-out	
Hydrocarbons Recovered[a] 2005 (gal)	0.53	0.00	1.23	0.63	0.66	0.86	0.68	0.90	1.35	3.53	0.11	0.03	0.11	3.48	
1/31/2006	80% saturated, sock changed out	--	100% saturated, sock changed out	--	--	100% saturated, sock changed out	--	--	100% saturated, sock changed-out	100% saturated, sock changed-out	--	--	--	75% saturated, sock changed out	
2/28/2006	5% saturated	--	50% saturated	--	--	100% saturated, sock changed out	--	--	10% saturated	75% saturated, sock changed-out	--	--	--	100% saturated, sock changed-out	
3/30/2006	30% saturated, sock changed-out	0% saturated, sock changed out	75% saturated, sock changed-out	75% saturated, sock changed-out	well buried; could not find	10% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	50% saturated, sock changed-out	75% saturated, sock changed-out	0% saturated, sock changed-out	0% saturated, sock changed-out	0% saturated, sock changed-out	100% saturated, sock changed-out	
4/28/2006	50% saturated	--	10% saturated	--	--	20% saturated	100% saturated, sock changed-out	50% saturated	75% saturated, sock changed-out	75% saturated, sock changed-out	--	--	--	100% saturated, sock changed-out	
5/30/2006	75% saturated, sock changed-out	--	25% saturated	--	--	50% saturated	25% saturated	80% saturated, sock changed-out	10% saturated	50% saturated	--	--	--	100% saturated, sock changed-out	
6/26/2006	10% saturated, sock changed-out	0% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	25% saturated, sock changed-out	100% saturated, sock changed-out	0% saturated, sock changed-out	0% saturated, sock changed-out	0% saturated, sock changed-out	100% saturated, sock changed-out	
8/16/2006	--	--	25% saturated	--	--	5% saturated	100% saturated, sock changed-out	--	--	60% saturated, sock changed-out	--	--	--	--	
8/29/2006	10% saturated	--	25% saturated	--	--	10% saturated	100% saturated, sock changed-out	--	50% saturated, sock changed-out	75% saturated, sock changed-out	--	--	--	20% saturated, sock changed-out	
9/26/2006	60% saturated, sock changed-out	--	50% saturated, sock changed-out	--	--	10% saturated	100% saturated, sock changed-out	--	5% saturated	20% saturated	--	--	--	100% saturated, sock changed-out	
10/18/2006	1% saturated	--	--	--	--	40% saturated	100% saturated, sock changed-out	--	--	10% saturated	--	--	--	100% saturated, sock changed-out	
11/23/2006	10% saturated	--	5% saturated	--	--	100% saturated, sock changed-out	100% saturated, sock changed-out	1% saturated	5% saturated	50% saturated, sock changed-out	--	--	--	100% saturated, sock changed-out	

Table 7. Diesel Fuel Plume Groundwater Recovery System Monitoring Well Absorbent Sock Change-Out Log for 2003 - June 2014. Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014 (January 2014 - June 2014), Allison Transmission, Inc., Speedway, Indiana.

Date	Monitoring Wells													Cumulative Hydrocarbons Recovered[5]
	BW-11	BW-12	MW-0410-S2	MW-0411-S2	MW-0412-S2	MW-0413-S1	MW-0526-S2A	MW-0610-S2	MW-0611-S1	MW-0622-S2A	MW-0631-S1	MW-S2-0601	MW-24-S2	
Hydrocarbons Recovered[5] 2004 (gal)			0.03	0.36	0.69	1.80	0.00	0.00	0.00	0.00				10.67
1/31/2005			10% saturated	100% saturated, sock changed-out	10% saturated	100% saturated, sock changed-out	--	--	--	--				1.20
2/24/2005			80% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	--	--	--	--				2.94
3/29/2005			25% saturated	100% saturated, sock changed-out	80% saturated, sock changed-out	100% saturated, sock changed-out	--	--	--	--				4.68
4/28/2005			30% saturated	100% saturated, sock changed-out	25% saturated	100% saturated, sock changed-out	--	--	--	--				5.96
5/31/2005			50% saturated, sock changed-out	100% saturated, sock changed-out	50% saturated, sock changed-out	100% saturated, sock changed-out	--	--	--	--				7.71
6/29/2005			75% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	--	--	--	--				10.32
7/29/2005			10% saturated	100% saturated, sock changed-out	100% saturated, sock changed-out	90% saturated, sock changed-out	--	--	--	--				12.21
8/31/2005			100% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	--	--	--	--				14.01
9/30/2005			10% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	--	--	--	--				17.46
10/31/2005			10% saturated	100% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	--	--	--	--				19.59
11/29/2005			20% saturated	100% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	began checking well, sock installed	--	--	--				21.50
12/22/2005			50% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	--	--	--				25.43
Hydrocarbons Recovered[5] 2005 (gal)			1.10	3.60	2.79	3.57	0.30	0.00	0.00	0.00				25.43
1/31/2006			20% saturated	100% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	--	--	--				3.47
2/28/2006			20% saturated	100% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	began checking well, sock installed	began checking well, sock installed	--				6.09
3/30/2006			30% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	--	50% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	--				9.38
4/28/2006			50% saturated	100% saturated, sock changed-out	100% saturated, sock changed-out	--	75% saturated, sock changed-out	50% saturated	50% saturated	--				11.25
5/30/2006			20% saturated	100% saturated, sock changed-out	100% saturated, sock changed-out	--	50% saturated	100% saturated, sock changed-out	100% saturated, sock changed-out	--				13.22
6/28/2006			30% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	--	75% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	--				17.24
8/16/2006			--	--	--	--	100% saturated, sock changed-out	--	--	--				17.99
8/29/2006			20% saturated	50% saturated, sock changed-out	50% saturated, sock changed-out	--	100% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	--				19.92
9/26/2006			5% saturated	100% saturated, sock changed-out	100% saturated, sock changed-out	--	100% saturated, sock changed-out	100% saturated, sock changed-out	75% saturated, sock changed-out	--				22.26
10/18/2006			60% saturated	50% saturated, sock changed-out	100% saturated, sock changed-out	--	100% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	--				24.23
11/23/2006			10% saturated	50% saturated, sock changed-out	100% saturated, sock changed-out	--	100% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	--				26.63

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Date	Monitoring Wells														
	MW-12-S1	MW-16-S2	MW-28-S2	MW-30-S2	MW-31-S2	MW-32-S2	MW-33-S2	MW-34-S2	MW-0104-S2	MW-0105-S2	MW-0106-S2	MW-0107-S2	MW-0116-S2	OSBW-4	BW-4
12/18/2006	10% saturated	--	10% saturated	--	--	10% saturated	100% saturated, sock changed-out	10% saturated	20% saturated	10% saturated	--	--	--	100% saturated, sock changed-out	
Hydrocarbons Recovered[a] 2006 (gal)	**0.77**	**0.00**	**0.99**	**0.53**	**0.30**	**1.23**	**2.70**	**0.84**	**0.90**	**1.80**	**0.00**	**0.00**	**0.00**	**2.99**	
1/16/2007	5% saturated	--	50% saturated, sock changed-out	--	--	10% saturated	100% saturated, sock changed-out	10% saturated	50% saturated, sock changed-out	20% saturated	--	--	--	100% saturated, sock changed-out	
2/22/2007	10% saturated	--	15% saturated	--	--	20% saturated	100% saturated, sock changed-out	30% saturated	25% saturated	35% saturated	--	--	--	100% saturated, sock changed-out	
3/20/2007	5% saturated	--	35% saturated	--	--	40% saturated	100% saturated, sock changed-out	35% saturated	35% saturated	40% saturated	--	--	--	100% saturated, sock changed-out	
4/24/2007	5% saturated	--	70% saturated, sock changed-out	--	--	60% saturated, sock changed-out	100% saturated, sock changed-out	45% saturated, sock changed-out	50% saturated, sock changed-out	40% saturated	--	--	--	100% saturated, sock changed-out	
5/17/2007	5% saturated	--	40% saturated	--	--	40% saturated	100% saturated, sock changed-out	10% saturated	20% saturated	100% saturated, sock changed-out	--	--	--	100% saturated, sock changed-out	
6/26/2007	20% saturated	--	25% saturated, sock changed-out	--	--	30% saturated, sock changed-out	100% saturated, sock changed-out	5% saturated	30% saturated, sock changed-out	100% saturated, sock changed-out	--	--	--	100% saturated, sock changed-out	
7/24/2007	--	--	--	--	--	--	100% saturated, sock changed-out	--	--	--	--	--	--	100% saturated, sock changed-out	
8/20/2007	--	--	--	--	--	--	100% saturated, sock changed-out	--	--	--	--	--	--	100% saturated, sock changed-out	
9/20/2007	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
10/22/2007	--	--	--	--	--	--	100% saturated, sock changed-out	--	--	--	--	--	--	100% saturated, sock changed-out	
11/15/2007	--	--	--	--	--	--	100% saturated, sock changed-out	--	--	--	--	--	--	100% saturated, sock changed-out	
12/13/2007	80% saturated, sock changed-out	--	100% saturated, sock changed-out	--	--	50% saturated, sock changed-out	100% saturated, sock changed-out	5% saturated	10% saturated	100% saturated, sock changed-out	--	--	--	100% saturated, sock changed-out	
Hydrocarbons Recovered[a] 2007 (gal)	**0.24**	**0.00**	**0.74**	**0.00**	**0.00**	**0.42**	**3.30**	**0.14**	**0.39**	**0.90**	**0.00**	**0.00**	**0.00**	**3.30**	
1/10/2008	--	--	100% saturated, sock changed-out	--	--	--	10% saturated	--	25% saturated	--	--	--	--	100% saturated (3), socks changed-out	
2/8/2008	--	--	--	--	--	--	25% saturated, sock changed-out	--	--	--	--	--	--	100% saturated (3), socks changed-out	
3/10/2008	--	--	--	--	--	--	10% saturated	--	--	--	--	--	--	100% saturated (3), socks changed-out	
4/7/2008	--	--	--	--	--	--	100% saturated, sock changed-out	--	--	--	--	--	--	100% saturated (3), socks changed-out	
5/7/2008	--	--	100% saturated, sock changed-out	--	--	50% saturated, sock changed-out	50% saturated, sock changed-out	10% saturated	10% saturated	100% saturated, sock changed-out	--	--	--	100% saturated (3), socks changed-out	
6/26/2008	--	--	--	--	--	--	100% saturated, sock changed-out	--	--	--	--	--	--	100% saturated (3), socks changed-out	
7/31/2008	--	--	25% saturated, sock changed-out	--	--	--	50% saturated, sock changed-out	--	--	75% saturated, sock changed-out	--	--	--	100% saturated (3), socks changed-out	
8/27/2008	--	--	50% saturated, sock changed-out	--	--	--	100% saturated, sock changed-out	--	--	100% saturated, sock changed-out	--	--	--	100% saturated (3), socks changed-out	

Table 7. Diesel Fuel Plume Groundwater Recovery System Monitoring Well Absorbent Sock Change-Out Log for 2003 - June 2014. Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014 (January 2014 - June 2014), Allison Transmission, Inc., Speedway, Indiana.

Date	Monitoring Wells													Cumulative Hydrocarbons Recovered[5]
	BW-11	BW-12	MW-0410-S2	MW-0411-S2	MW-0412-S2	MW-0413-S1	MW-0526-S2A	MW-0610-S2	MW-0611-S1	MW-0622-S2A	MW-0631-S1	MW-S2-0601	MW-24-S2	
12/18/2006			20% saturated	50% saturated, sock changed-out	100% saturated, sock changed-out	--	100% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	--				28.58
Hydrocarbons Recovered[5] 2006 (gal)			**0.18**	**2.70**	**3.15**	**1.80**	**3.00**	**2.40**	**2.33**	**0.00**				**28.68**
1/16/2007			25% saturated	30% saturated	100% saturated, sock changed-out	--	20% saturated	100% saturated, sock changed-out	100% saturated, sock changed-out	--				1.80
2/22/2007			35% saturated	40% saturated	100% saturated, sock changed-out	--	30% saturated	100% saturated, sock changed-out	100% saturated, sock changed-out	--				3.30
3/20/2007			50% saturated, sock changed-out	50% saturated, sock changed-out	100% saturated, sock changed-out	--	50% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	--				5.25
4/24/2007			10% saturated	20% saturated	100% saturated, sock changed-out	--	35% saturated	100% saturated, sock changed-out	75% saturated, sock changed-out	--				7.35
5/17/2007			20% saturated	20% saturated	100% saturated, sock changed-out	--	60% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	--				9.33
6/26/2007			30% saturated, sock changed-out	--	100% saturated, sock changed-out	--	20% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	--				11.54
7/24/2007			0% saturated	--	--	--	--	50% saturated, sock changed-out	50% saturated, sock changed-out	--				12.44
8/20/2007			0% saturated	--	--	--	--	50% saturated, sock changed-out	50% saturated, sock changed-out	--				13.34
9/20/2007			--	--	--	--	--	--	--	--				13.34
10/22/2007			0% saturated	--	--	--	--	100% saturated, sock changed-out	100% saturated, sock changed-out	--				14.54
11/15/2007			0% saturated	--	--	--	--	100% saturated, sock changed-out	100% saturated, sock changed-out	--				15.74
12/13/2007			25% saturated	--	25% saturated	--	80% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	--				18.17
Hydrocarbons Recovered[5] 2007 (gal)			**0.24**	**0.15**	**1.80**	**0.00**	**0.63**	**3.00**	**2.93**	**0.00**				**18.17**
1/10/2008			25% saturated, sock changed-out	--	100% saturated, sock changed-out	--	100% saturated, sock changed-out	100% saturated, sock changed-out	10% saturated	--				2.18
2/8/2008			0% saturated	**Well abandoned**	100% saturated, sock changed-out	--	--	100% saturated, sock changed-out	20% saturated, sock changed-out	--				3.81
3/10/2008			0% saturated	**Well abandoned**	100% saturated, sock changed-out	--	--	100% saturated, sock changed-out	10% saturated	--				5.31
4/7/2008			--	**Well abandoned**	100% saturated, sock changed-out	--	--	60% saturated, sock changed-out	60% saturated, sock changed-out	--				7.11
5/7/2008			25% saturated	**Well abandoned**	100% saturated, sock changed-out	--	25% saturated	100% saturated, sock changed-out	--	--				9.51
6/26/2008			25% saturated, sock changed-out	**Well abandoned**	100% saturated, sock changed-out	--	--	50% saturated, sock changed-out	50% saturated, sock changed-out	--				11.39
7/31/2008			--	**Well abandoned**	100% saturated, sock changed-out	NM	25% saturated, sock changed-out	100% saturated, sock changed-out	25% saturated, sock changed-out	25% saturated, sock changed-out				13.56
8/27/2008			--	**Well abandoned**	100% saturated, sock changed-out	NM	25% saturated, sock changed-out	50% saturated, sock changed-out	50% saturated, sock changed-out	25% saturated, sock changed-out				15.96

Table 7. Diesel Fuel Plume Groundwater Recovery System Monitoring Well Absorbent Sock Change-Out Log for 2003 - June 2014. Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014 (January 2014 - June 2014), Allison Transmission, Inc., Speedway, Indiana.

Date	Monitoring Wells														
	MW-12-S1	MW-16-S2	MW-28-S2	MW-30-S2	MW-31-S2	MW-32-S2	MW-33-S2	MW-34-S2	MW-0104-S2	MW-0105-S2	MW-0106-S2	MW-0107-S2	MW-0116-S2	OSBW-4	BW-4
9/16/2008	--	--	5% saturated	--	--	--	30% saturated	--	--	75% saturated, sock changed-out	--	--	--	socks out for pump tests	
10/29/2008	--	--	100% saturated, sock changed-out	--	--	--	75% saturated, sock changed-out	--	--	50% saturated, sock changed-out	--	--	--	100% saturated (3), socks changed-out	
11/24/2008	--	--	100% saturated, sock changed-out	--	--	--	60% saturated, sock changed-out	--	--	60% saturated, sock changed-out	--	--	--	75% saturated (3), socks changed-out	
12/10/2008	10% saturated, sock changed-out	--	100% saturated, sock changed-out	--	--	25% saturated, sock changed-out	100% saturated, sock changed-out	10% saturated, sock changed-out	90% saturated, sock changed-out	100% saturated, sock changed-out	--	--	--	75% saturated (2), sock changed-out	
Hydrocarbons Recovered[6] 2008 (gal)	**0.03**	**0.00**	**1.73**	**0.00**	**0.00**	**0.23**	**1.95**	**0.03**	**0.27**	**1.65**	**0.00**	**0.00**	**0.00**	**9.23**	
1/14/2009			100% saturated, sock changed-out	100% saturated, sock changed-out	1% saturated, sock not changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out							
1/26/2009			25% saturated, sock changed-out	10% saturated, sock changed-out		25% saturated, sock changed-out	25% saturated, sock changed-out			50% saturated, sock changed-out				100% saturated (3), sock changed-out	
2/23/2009			100% saturated, sock changed-out	5% saturated, sock not changed-out	5% saturated, sock not changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	5% saturated, sock not changed-out							
3/17/2009			40% saturated, sock not changed-out	50% saturated, sock changed-out	10% saturated, sock not changed-out	80% saturated, sock not changed-out	40% saturated, sock not changed-out	25% saturated, sock not changed-out							
3/24/2009			75% saturated, sock changed-out				50% saturated, sock changed-out			50% saturated, sock changed-out				100% saturated (2), sock changed-out	
4/3/2009	75% saturated, sock changed-out		50% saturated, sock changed-out		10% saturated, sock changed-out	100% saturated, sock changed-out	75% saturated, sock changed-out	25% saturated, sock changed-out	0% saturated, sock removed	0% saturated, sock changed-out					
6/9/2009			< 5% saturated, sock changed-out			< 5% saturated, sock changed-out	100% saturated, sock changed-out	20% saturated, sock changed-out							
8/26/2009			40% saturated, sock changed-out	20% saturated, sock changed-out	5% saturated, sock changed-out	30% saturated, sock changed-out	100% saturated, sock changed-out	20% saturated, sock changed-out							
9/25/2009		sock not changed-out	10% saturated, sock not changed-out	0% saturated, sock not changed-out	0% saturated, sock not changed-out	5% saturated, sock not changed-out	75% saturated, sock changed-out	0% saturated, sock not changed-out							
11/2/2009	10% saturated, sock not changed-out	sock not changed-out	100% saturated, sock changed-out	5% saturated, sock not changed-out	5% saturated, sock not changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	0% saturated, sock not changed-out		0% saturated, sock not changed-out					
12/18/2009			25% saturated, sock changed-out			10% saturated, sock not changed-out	60% saturated, sock changed-out			25% saturated, sock not changed-out				75% saturated, sock changed-out	10% saturated, sock not changed - out
Hydrocarbons Recovered[6] 2009 (gal)	**0.26**	**0.00**	**1.56**	**0.56**	**0.06**	**1.39**	**2.33**	**0.50**	**0.00**	**0.39**	**0.00**	**0.00**	**0.00**	**1.43**	**0.03**
1/14/2010	--	--	0% saturated, sock not changed-out	50% saturated, sock changed-out	50% saturated, sock changed-out	--	100% saturated, sock changed-out	0% saturated, sock not changed-out	--	10% saturated, sock not changed-out	--	--	--	100% saturated (2), socks changed-out	--

Table 7. Diesel Fuel Plume Groundwater Recovery System Monitoring Well Absorbent Sock Change-Out Log for 2003 - June 2014. Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014 (January 2014 - June 2014), Allison Transmission, Inc., Speedway, Indiana.

Date	Monitoring Wells													Cumulative Hydrocarbons Recovered[5]
	BW-11	BW-12	MW-0410-S2	MW-0411-S2	MW-0412-S2	MW-0413-S1	MW-0526-S2A	MW-0610-S2	MW-0611-S1	MW-0622-S2A	MW-0631-S1	MW-S2-0601	MW-24-S2	
9/16/2008			20% saturated	Well abandoned	socks out for pump tests	NM	80% saturated, sock changed-out	100% saturated (2), socks changed-out	40% saturated	--				17.03
10/29/2008			--	Well abandoned	75% saturated, sock changed-out	NM	10% saturated, sock changed-out	25% saturated, sock changed-out	50% saturated, sock changed-out	50% saturated, sock changed-out				19.23
11/24/2008			--	Well abandoned	75% saturated, sock changed-out	NM	25% saturated, sock changed-out	60% saturated, sock changed-out	75% saturated, sock changed-out	60% saturated, sock changed-out				21.33
12/10/2008			75% saturated, sock changed-out	Well abandoned	10% saturated (3), sock changed-out	NM	100% saturated, sock changed-out	100% saturated (2), sock changed-out	75% saturated, sock changed-out	75% saturated, sock changed-out				24.75
Hydrocarbons Recovered[6] 2008 (gal)			**0.38**	**0.00**	**2.94**	**0.00**	**1.10**	**3.38**	**1.19**	**0.68**				**24.75**
1/14/2009							100% saturated, sock changed-out			100% saturated, sock changed-out				2.10
1/28/2009					50% saturated (2), sock changed-out		50% saturated, sock changed-out	25% saturated (2), sock changed-out	50% saturated, sock changed-out	25% saturated, sock changed-out				3.93
2/23/2009							100% saturated, sock changed-out			100% saturated, sock changed-out				5.43
3/17/2009							100% saturated, sock changed-out			80% saturated, sock changed-out				6.12
3/24/2009					50% saturated (2), sock changed-out		50% saturated, sock changed-out	25% saturated (2), sock changed-out	50% saturated, sock changed-out	50% saturated, sock changed-out				8.15
4/3/2009			0% saturated, sock removed		0% saturated (2), sock changed-out		100% saturated, sock changed-out	100% saturated (2), sock changed-out	0% saturated, sock changed-out	100% saturated, sock changed-out		60% saturated, sock changed-out		10.53
6/9/2009			NA		0% saturated (2), sock changed-out		100% saturated, sock changed-out			30% saturated, sock changed-out				11.31
8/20/2009							100% saturated, sock changed-out reinstalled 2 socks			20% saturated, sock changed-out				12.32
9/25/2009							100% saturated/ 75% saturated, sock changed-out reinstalled 2 socks			50% saturated, sock changed-out				13.22
11/2/2009							100% saturated/ 50% saturated, sock changed-out reinstalled 2 socks		< 10% saturated, sock not changed-out	50% saturated, sock changed-out		25% saturated, sock changed-out		14.82
12/18/2009	10% saturated, sock not changed-out	25% saturated, sock changed -out			75% saturated (2), sock changed-out		100% saturated/ 75% saturated, sock changed-out reinstalled 2 socks	75% saturated (2), sock changed-out	25% saturated, sock not changed-out	50% saturated, sock changed-out	0% saturated, socks not changed out	25% saturated, sock not changed-out	5% saturated, socks not changed-out	17.25
Hydrocarbons Recovered[6] 2009 (gal)	**0.03**	**0.09**	**0.00**	**0.00**	**1.05**	**0.00**	**3.60**	**1.35**	**0.39**	**1.97**	**0.00**	**0.33**	**0.02**	**17.25**
1/14/2010	--	--	--	--	100% saturated (3), socks changed-out	--	100% saturated, sock changed-out	100% saturated (2), socks changed-out	75% saturated, sock changed-out	100% saturated, sock changed-out	--	50% saturated, sock changed-out	--	3.68

Table 7. Diesel Fuel Plume Groundwater Recovery System Monitoring Well Absorbent Sock Change-Out Log for 2003 - June 2014. Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014 (January 2014 - June 2014), Allison Transmission, Inc., Speedway, Indiana.

Date	Monitoring Wells														
	MW-12-S1	MW-16-S2	MW-28-S2	MW-30-S2	MW-31-S2	MW-32-S2	MW-33-S2	MW-34-S2	MW-0104-S2	MW-0105-S2	MW-0106-S2	MW-0107-S2	MW-0116-S2	OSBW-4	BW-4
2/22/2010	--	--	0% saturated, sock not changed-out	0% saturated, sock not changed-out	0% saturated, sock not changed-out	100% saturated, sock not changed-out	100% saturated, sock changed-out	10% saturated, sock not changed-out	--	0% saturated, sock not changed-out	--	--	--	100% saturated (2), socks changed-out	--
3/23/2010	--	--	5% saturated, sock not changed-out	5% saturated, sock not changed-out	10% saturated, sock not changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	0% saturated, sock not changed-out	--	--	--	--	--	--	--
5/24/2010	--	--	25% saturated, sock not changed-out	10% saturated, sock not changed-out	--	100% saturated, sock changed-out	100% saturated, sock changed-out	0% saturated, sock not changed-out	--	0% saturated, sock not changed-out	--	--	--	100% saturated (3), socks changed-out	--
7/14/2010	--	--	60% saturated, sock changed-out	20% saturated, sock not changed-out	Sock dirty dry Removed	80% carturated, sock changed-out	100% saturated, sock changed-out	60% saturated sock changed-out	--	10% saturated, sock not changed-out	--	--	--	100% saturated (3), socks changed-out	--
8/23/2010	--	--	10% saturated, sock not changed-out	10% saturated, sock not changed-out	0% saturated, sock not changed-out	10% saturated, sock not changed-out	20% saturated, sock not changed-out	5% saturated, sock not changed-out	--	20% saturated, sock not changed-out	--	--	--	100% saturated (3), socks changed-out	10% saturated, sock not changed-out
10/8/2010	--	--	50% saturated, sock changed-out	0% saturated, sock not changed-out	0% saturated, sock not changed-out	0% saturated, sock not changed-out	100% saturated, sock changed-out	<25% saturated, sock not changed-out	--	0% saturated, sock not changed-out	--	--	--	0% saturated (3), socks changed-out	0% saturated, sock changed-out
11/18/2010	--	--	10% saturated, sock not changed-out	20% saturated, sock not changed-out	0% saturated, sock not changed-out	100% saturated, sock changed-out	0% saturated, sock not changed-out	0% saturated, sock not changed-out	--	30% saturated, sock not changed-out	--	--	--	20% saturated (2), socks not changed-out	50% saturated (2), socks changed-out
12/2/2010	--	--	30% saturated, sock not changed-out	25% saturated, sock not changed-out	0% saturated, sock not changed-out	100% saturated, sock changed-out	30% saturated, sock not changed-out	5% saturated, sock not changed-out	--	30% saturated, sock not changed-out	--	--	--	40% saturated (2), socks not changed-out	Socks stuck in well
Hydrocarbons Recovered[6] 2010 (gal)	**0.00**	**0.00**	**0.33**	**0.15**	**0.15**	**1.44**	**1.80**	**0.18**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**3.90**	**0.30**
1/6/2011	--	--	30% saturated, sock not changed-out	20% saturated, sock not changed-out	10% saturated, sock not changed-out	100% saturated, sock changed-out	50% saturated, sock changed-out	5% saturated, sock not changed-out	--	20% saturated, sock changed-out	--	--	--	100% saturated (2), socks changed-out	100% saturated, sock changed-out
2/16/2011	--	--	20% saturated with water, sock not changed-out	20% saturated, sock very dirty. + Sock changed-out	0% saturated, sock not changed-out	100% saturated, sock changed-out	30% saturated, sock not changed-out	5% saturated, sock not changed-out	--	10% saturated, sock not changed-out	--	--	--	75% saturated (2), sock changed-out	100% dirty, sock changed-out
3/7/2011	--	--	--	10% saturated, sock not changed-out	10% saturated, sock not changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	10% saturated, sock not changed-out	--	Sock dirty, did not replace	--	--	--	50% saturated (2), socks changed-out	100% saturated, sock changed-out
4/4/2011	--	--	--	20% saturated, sock not changed-out	10% saturated, sock not changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	20% saturated, sock not changed-out	--	20% saturated, sock not changed-out	No sock in well	No sock in well	No sock in well	80% saturated (2), socks changed-out	100% saturated, sock changed-out
5/2/2011	--	--	--	--	--	--	--	--	--	--	--	--	--	50% saturated (2), socks changed-out	100% saturated, sock changed-out
5/31/2011	--	--	--	25% saturated, sock not changed-out	0% saturated, sock not changed-out	25% saturated, sock not changed-out	75% saturated, sock changed-out	25% saturated, sock not changed-out	--	50% saturated, sock changed-out	--	--	--	50% saturated (2), socks changed-out	100% saturated, sock changed-out
7/11/2011	--	--	--	20% saturated, sock not changed-out	10% saturated, sock not changed-out	20% saturated, sock not changed-out	100% saturated, sock changed-out	20% saturated, sock not changed-out	--	0% saturated, sock not changed-out	--	--	--	80% saturated (2), socks changed-out	100% saturated, sock changed-out
8/1/2011	--	--	--	10% saturated, sock not changed-out	0% saturated, sock not changed-out	80% saturated, sock changed out	20% saturated, sock not changed-out	10% saturated, sock not changed-out	--	0% saturated, sock not changed-out	--	--	--	10% saturated (2), socks not changed-out	0% saturated, sock not changed-out
9/26/2011	--	--	--	20% saturated, sock not changed-out	PDB deployed in well	0% saturated, sock not changed-out	75% saturated, sock changed-out	20% saturated, sock not changed-out	--	0% saturated, sock not changed-out	--	--	--	50% saturated (2), socks changed-out	100% saturated, sock changed-out
11/4/2011	--	--	--	20% saturated, sock not changed-out	10% saturated, sock not changed-out	10% saturated, sock not changed-out	100% saturated, sock changed-out	10% satruated, sock not changed-out	--	5% saturated, sock not changed-out	--	--	--	20% saturated (2), socks not changed-out	100% saturated, sock changed-out
11/23/2011	--	--	--	20% saturated, sock not changed-out	0% saturated, sock not changed-out	0% saturated, sock not changed-out	100% saturated, sock changed-out	20% saturated, sock not changed-out	--	5% saturated, sock not changed-out	--	--	--	50% saturated (2), socks changed-out	100% saturated, sock changed-out

Table 7. Diesel Fuel Plume Groundwater Recovery System Monitoring Well Absorbent Sock Change-Out Log for 2003 - June 2014. Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014 (January 2014 - June 2014), Allison Transmission, Inc., Speedway, Indiana.

Date	Monitoring Wells													Cumulative Hydrocarbons Recovered[6]
	BW-11	BW-12	MW-0410-S2	MW-0411-S2	MW-0412-S2	MW-0413-S1	MW-0526-S2A	MW-0610-S2	MW-0611-S1	MW-0622-S2A	MW-0631-S1	MW-S2-0601	MW-24-S2	
2/22/2010	--	--	--	--	100% saturated (2), socks changed-out	--	100% saturated (2), socks changed-out	100% saturated (2), socks changed-out	0% saturated, sock not changed-out	10% saturated, sock not changed-out	--	0% saturated, sock not changed-out	--	6.38
3/23/2010	--	--	--	--	--	--	100% saturated (2), socks changed-out	--	--	100% saturated, sock changed-out	--	0% saturated, sock not changed-out	--	7.88
5/24/2010	--	--	--	--	100% saturated (3), socks changed-out	--	100% saturated, sock changed-out	100% saturated (2), socks changed-out	25% saturated, sock not changed-out	100% saturated, sock changed-out	10% saturated, sock not changed-out	--	--	11.48
7/14/2010	--	--	--	--	100% saturated (3), socks changed-out	--	100% saturated, sock changed-out	100% saturated (2), socks changed-out	80% saturated, sock changed-out	100% saturated, sock changed-out	--	100% saturated, sock changed-out	--	15.92
8/23/2010	0% saturated, sock not changed-out	0% saturated, sock not changed-out	--	--	20% saturated (3), socks not changed-out	--	60% saturated, sock changed-out	60% saturated (2), socks changed-out	15% saturated, sock not changed-out	50% saturated, sock changed-out	--	--	--	17.51
10/8/2010	0% saturated, sock changed-out	0% saturated, sock changed-out	--	--	0% saturated (3), socks changed-out	--	100% saturated, sock changed-out	100% & 50% saturated, socks changed-out	0% saturated, sock changed-out	0% saturated, sock not changed-out	--	--	--	18.71
11/18/2010	0% saturated (2), socks changed-out	0% saturated (2), socks changed-out	--	--	0% saturated, sock not changed-out	--	--	100% & 30% saturated, socks changed-out	30% saturated, sock not changed-out	--	--	--	--	19.70
12/2/2010	100% saturated, sock changed-out	100% saturated, sock changed-out	--	--	100% saturated, sock changed-out	--	--	100% saturated (2), socks changed-out	40% saturated, sock not changed-out	--	--	--	--	21.50
Hydrocarbons Recovered[6] 2010 (gal)	**0.30**	**0.30**	**0.00**	**0.00**	**3.60**	**0.00**	**2.58**	**4.20**	**0.47**	**1.35**	**0.00**	**0.45**	**0.00**	**21.50**
1/6/2011	100% saturated, sock changed-out	100% saturated, sock changed-out	--	--	50% saturated with water. Not changed out.	--	--	100% saturated (2), socks changed-out	100% saturated, sock changed-out	--	--	30% saturated, sock not changed-out	0% saturated, sock not changed-out	1.26
2/16/2011	100% saturated, sock changed-out	100% saturated, sock changed-out	--	--	100% saturated, sock changed-out	--	100% saturated, sock changed out	100% saturated (2), socks changed-out	100% saturated, sock changed-out	--	--	--	0% saturated, sock not changed-out	2.65
3/7/2011	100% saturated, sock changed-out	100% saturated, sock changed-out			100% saturated with water, changed out		100% saturated, sock changed out	100% saturated (2), socks changed out	100% saturated, sock changed-out			100% saturated, sock changed-out	10% saturated, sock not changed-out	4.21
4/4/2011	0% saturated	100% saturated, sock changed-out	--	--	80% saturated, sock changed-out	--	100% saturated, sock changed out	100% & 10% saturated, socks changed-out	100% saturated, sock changed-out	No sock in well	--	10% saturated, sock not changed-out	100% dirty, sock changed-out	5.45
5/2/2011	--	100% saturated, sock changed-out	--	--	100% saturated, sock changed-out	--	--	100% & 50% saturated, socks changed-out	100% saturated, sock changed-out	--	20% saturated, sock not changed-out	--	No sock, PDB deployed.	6.29
5/31/2011	0% saturated	100% saturated, sock changed-out	--	--	100% saturated, sock changed-out	--	80% saturated, sock changed-out	100% saturated (2), socks changed-out	50% saturated, sock changed-out	Car parked on well	--	No sock, PDB deployed.	No sock, PDB deployed.	7.40
7/11/2011	--	100% saturated, sock changed-out	--	--	100% saturated, sock changed-out	--	70% saturated, sock changed-out	100% saturated (2), socks changed-out	50% saturated, sock changed-out	--	--	0% saturated, sock not changed-out	0% saturated, sock not changed-out	8.55
8/1/2011	--	100% saturated, sock changed out	--	--	50% saturated, sock changed out	--	100% saturated, sock changed out	1 @ 50% & 1 @ 0% saturated, not changed-out	20% saturated, sock not changed-out	100% saturated, sock changed out	--	20% saturated, sock not changed-out	10% saturated, sock not changed-out	9.11
9/26/2011	100% saturated, sock changed-out	100% saturated, sock changed-out	--	--	100% saturated, sock changed-out	--	0% saturated, sock not changed-out	100% & 50% saturated, socks changed-out	20% saturated, sock not changed-out	0% saturated, sock not changed-out	--	--	--	10.05
11/4/2011	100% saturated, sock changed-out	20% saturated, sock not changed-out	--	--	100% saturated, sock changed-out	--	80% saturated, sock changed-out	100% & 50% saturated, socks changed-out	50% saturated, sock changed-out	50% saturated, sock changed-out	--	--	--	11.00
11/23/2011	--	50% saturated, sock changed-out	--	--	100% saturated, sock changed-out	--	100% saturated, sock changed-out	100% & 30% saturated, socks changed-out	50% saturated, sock changed-out	0% saturated, sock not changed-out	--	--	0% saturated, sock not changed-out	11.95

Table 7. Diesel Fuel Plume Groundwater Recovery System Monitoring Well Absorbent Sock Change-Out Log for 2003 - June 2014. Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014 (January 2014 - June 2014), Allison Transmission, Inc., Speedway, Indiana.

Date	Monitoring Wells														
	MW-12-S1	MW-16-S2	MW-28-S2	MW-30-S2	MW-31-S2	MW-32-S2	MW-33-S2	MW-34-S2	MW-0104-S2	MW-0105-S2	MW-0106-S2	MW-0107-S2	MW-0116-S2	OSBW-4	BW-4
Hydrocarbons Recovered[a] 2011 (gal)	0.00	0.00	0.00	0.03	0.00	0.62	0.91	0.00	0.00	0.09	0.00	0.00	0.00	1.52	1.30
1/4/2012	--	--	--	25% saturated, sock changed-out	0% saturated, sock not changed-out	20% saturated, sock not changed-out	100% saturated, sock changed-out	25% saturated, sock changed-out	--	15% saturated, sock changed-out	--	--	--	25% saturated (2), socks changed-out	100% saturated, sock changed-out
2/7/2012	--	--	--	0% saturated, sock not changed-out	0% saturated, sock not changed-out	50% saturated, sock changed-out	30% saturated, sock changed-out	0% saturated, sock not changed-out	--	0% saturated, sock not changed-out	--	--	--	80% saturated (2), socks changed-out	100% saturated, sock changed-out
4/30/2012	--	--	--	5% saturated, sock not changed-out	0% saturated, sock not changed-out	5% saturated, sock not changed-out	15% saturated, sock not changed-out	5% saturated, sock not changed-out	--	0% saturated, sock not changed-out	--	--	--	5% saturated (2), socks not changed-out	0% saturated, sock not changed-out
8/26/2012	--	--	--	0% saturated, sock not changed-out	0% saturated, sock not changed-out	20% saturated, sock changed-out	100% saturated, sock changed-out	0% saturated, sock not changed-out	--	0% saturated, sock not changed-out	--	--	--	10% saturated (2), socks not changed-out	100% saturated, sock changed-out
11/14/2012	--	--	--	--	--	100% saturated, sock changed-out	5% saturated, sock not changed-out	0% saturated, sock not changed-out	--	--	--	--	--	--	100% saturated, sock changed-out
Hydrocarbons Recovered[a] 2012 (gal)	0.00	0.00	0.00	0.03	0.00	0.22	0.30	0.03	0.00	0.02	0.00	0.00	0.00	0.27	0.52
2/18/2013	--	--	--	30% saturated, sock changed-out	0% saturated, sock not changed-out	--	--	5% saturated, sock not changed-out	--	--	--	--	--	--	100% saturated (2), socks changed-out
3/22/2013	--	--	--	0% saturated, sock not changed-out	0% saturated, sock not changed-out	0% saturated, sock not changed-out	0% saturated, sock not changed-out	0% saturated, sock not changed-out	--	0% saturated, sock not changed-out	--	--	--	50% & 50% saturated, socks changed-out	100% saturated, sock changed-out
9/6/2013	--	--	--	0% saturated, sock not changed-out	0% saturated, sock not changed-out	5% saturated, sock not changed-out	100% saturated, sock changed-out	0% saturated, sock not changed-out	--	100% saturated, sock changed-out	--	--	--	--	--
11/19/2013	--	--	--	50% saturated, sock changed-out	0% saturated, sock not changed-out	0% saturated, sock changed-out	100% saturated, sock changed-out	25% saturated, sock changed-out	--	100% saturated, sock changed-out	--	--	--	--	--
Hydrocarbons Recovered[a] 2013 (gal)	0.00	0.00	0.00	0.10	0.00	0.00	0.26	0.03	0.00	0.26	0.00	0.00	0.00	0.13	0.39
3/14/2014	--	--	--	20% saturated, sock not changed-out	5% saturated, sock not changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	5% saturated, sock not changed-out	--	100% saturated, sock changed-out	--	--	--	--	--
5/1/2014	--	--	--	20% saturated, sock not changed-out	5% saturated, sock not changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	10% saturated, sock not changed-out	--	20% saturated, sock changed-out	--	--	--	--	--
6/11/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hydrocarbons Recovered[a] 2014 (gal)	0.00	0.00	0.00	0.00	0.00	0.26	0.26	0.00	0.00	0.16	0.00	0.00	0.00	0.00	0.00

Table 7. Diesel Fuel Plume Groundwater Recovery System Monitoring Well Absorbent Sock Change-Out Log for 2003 - June 2014. Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014 (January 2014 - June 2014), Allison Transmission, Inc., Speedway, Indiana.

Date	Monitoring Wells													Cumulative Hydrocarbons Recovered[8]
	BW-11	BW-12	MW-0410-S2	MW-0411-S2	MW-0412-S2	MW-0413-S1	MW-0526-S2A	MW-0610-S2	MW-0611-S1	MW-0622-S2A	MW-0631-S1	MW-S2-0601	MW-24-S2	
Hydrocarbons Recovered[8] 2011 (gal)	0.65	1.24	0.00	0.00	1.21	0.00	0.95	2.20	0.91	0.20	0.00	0.13	0.00	11.95
1/4/2012	30% saturated, sock changed-out	5% saturated, sock not changed-out	--	--	100% saturated, sock changed-out	--	100% saturated, sock changed-out	100% & 10% saturated, socks changed-out	50% saturated, sock changed-out	40% saturated, sock changed-out	--	--	--	0.97
2/7/2012	80% saturated, sock changed-out	60% saturated, sock changed-out	--	--	100% saturated, sock changed-out	--	100% saturated, sock changed-out	100% & 80% saturated, socks changed-out	60% saturated, sock changed-out	40% saturated, sock changed-out	--	--	--	2.22
4/30/2012	0% saturated, sock not changed-out	0% saturated, sock not changed-out	--	--	0% saturated, sock not changed-out	--	20% saturated, sock changed-out	0% saturated, sock not changed-out	0% saturated, sock not changed-out	50% saturated, sock changed-out	--	--	--	2.31
8/26/2012	100% saturated, sock changed-out	100% saturated, sock changed-out	--	--	100% saturated, sock changed-out	--	100% saturated, sock changed-out	100% & 35% saturated, socks changed-out	100% saturated, sock changed-out	25% saturated, sock changed-out	--	60% saturated, sock changed-out	35% saturated, sock changed-out	3.58
11/14/2012	100% saturated, sock changed-out	100% saturated, sock changed-out	--	--	80% saturated, sock changed-out	--	--	100% & 100% saturated, socks changed-out	20% saturated, sock changed-out	--	--	--	40% saturated, sock changed-out	4.54
Hydrocarbons Recovered[8] 2012 (gal)	0.40	0.34	0.00	0.00	0.49	0.00	0.42	0.81	0.30	0.20	0.00	0.00	0.10	4.54
2/18/2013	--	100% saturated (2), socks changed-out	--	--	100% saturated, sock changed-out	--	--	100% & 50% saturated, socks changed-out	75% saturated, sock changed-out	100% saturated, sock changed-out	--	100% saturated, sock changed-out	35% saturated, sock changed-out	1.29
3/22/2013	25% saturated, socks not changed out	100% saturated, sock changed-out	--	--	100% saturated, sock changed-out	--	100% saturated, sock changed-out	100% & 0% saturated, socks changed-out	30% saturated, sock changed-out	30% saturated, sock changed-out	--	40% saturated, sock changed-out	30% saturated, sock changed-out	2.24
9/6/2013	--	--	--	--	30% saturated, sock changed-out	--	90% saturated, sock changed-out	100% & 100% saturated, socks changed-out	40% saturated, sock changed-out	10% saturated, sock changed-out	--	No sock	10% saturated, sock not changed-out	2.98
11/19/2013	--	--	--	--	0% percent, sock not changed-out	--	100% saturated, sock changed-out	100% & 0% saturated, sock changed-out	0% percent, sock not changed-out	50% saturated, sock changed-out	--	--	25% saturated, sock changed-out	3.69
Hydrocarbons Recovered[8] 2013 (gal)	0.00	0.39	0.00	0.00	0.30	0.00	0.38	0.72	0.19	0.25	0.00	0.18	0.12	3.69
3/14/2014	25% saturated, socks not changed out	100% saturated, sock changed-out	--	--	100% saturated, sock changed-out	--	100% saturated, sock changed-out	100% & 100% saturated, socks changed-out	40% saturated, sock changed-out	100% saturated, sock changed-out	--	--	40% saturated, sock changed-out	1.27
5/1/2014	10% saturated, socks not changed out	100% saturated, sock changed-out	--	--	100% saturated, sock changed-out	--	100% saturated, sock changed-out	100% & 100% saturated, socks changed-out	20% percent, sock not changed-out	30% saturated, sock changed-out	--	--	--	2.25
6/11/2014	--	--	--	--	--	--	--	100% & 40% saturated, socks changed-out	--	--	--	--	--	2.43
Hydrocarbons Recovered[8] 2014 (gal)	0.00	0.26	0.00	0.00	0.26	0.00	0.26	0.70	0.05	0.17	0.00	0.00	0.05	2.43

Notes:
1.) List of all monitoring wells containing absorbent socks in the Barrier Well System area.
2.) See Table 6 for absorbent sock change-out schedule.
3.) Began noting absorbent sock % of LNAPL saturation (if less than 100%).
4.) Quarterly groundwater monitoring - all socks changed out.
5.) According to the manufacturer, 12 ounces of the polymer contained in the absorbent socks absorbs approximately a half-gallon of hydrocarbon.
6.) Socks removed prior to semi-annual groundwater sampling, however, no record of percent of LNAPL saturation. Socks reinstalled in April during O&M.
7.) NA - Not Applicable - Sock removed.
8.) Per vendor website the monitoring well socks (SKM 401 (1.5" by 18")) used contain approximately seventeen fluid ounces of polymer each. Therefore, on average, each monitoring well sock contains: 0.13 gallons hydrocarbons.

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Table 8. AOI 51 Groundwater Recovery System Effluent Water Analytical Results (004), Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014 (January 2014 - June 2014), Allison Transmission, Inc., Speedway, Indiana.

	Total Toxic Organics (TTO)
SampleDate	Volatiles
10/2/2007	ND
11/16/2007	ND
12/12/2007	ND
1/8/2008	0.0114
2/8/2008	ND
3/4/2008	ND
4/3/2008	ND
5/16/2008	ND
6/3/2008	ND
7/1/2008	NAN[#]
8/12/2008	ND
8/21/2008	ND
9/3/2008	ND
10/1/2008	ND
11/3/2008	0.098
12/1/2008	ND
1/9/2009	ND
2/11/2009	ND
3/24/2009	ND
4/3/2009	ND
4/16/2009	0.0195
5/6/2009	ND
6/16/2009	ND
7/23/2009	ND
8/6/2009	ND
8/25/2009	0.0498
9/15/2009	ND
10/1/2009	ND
11/13/2009	0.0069
12/30/2009	ND
1/11/2010	ND
2/26/2010	ND
3/4/2010	ND
4/14/2010	ND
5/6/2010	ND
6/2/2010	ND
7/6/2010	ND
8/10/2010	ND
9/3/2010	ND
10/1/2010	ND
11/1/2010	ND
12/16/2010	ND
1/6/2011	ND
2/3/2011	ND
3/4/2011	ND
4/1/2011	ND
5/13/2011	ND
6/6/2011	ND
7/15/2011	ND
8/9/2011	ND
9/7/2011	ND
10/3/2011	ND
11/7/2011	ND
12/6/2011	ND
1/17/2012	ND
2/7/2012	ND
3/9/2012	ND
4/12/2012	ND
5/4/2012	ND

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Table 8. AOI 51 Groundwater Recovery System Effluent Water Analytical Results (004), Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014 (January 2014 - June 2014), Allison Transmission, Inc., Speedway, Indiana.

	Total Toxic Organics (TTO)
SampleDate	Volatiles
6/14/2012	ND
7/3/2012	ND
8/2/2012	ND
9/12/2012	ND
10/2/2012	ND
11/8/2012	ND
12/4/2012	ND
1/4/2013	ND
2/14/2013	ND
3/15/2013	ND
4/4/2013	ND
5/2/2013	ND
6/18/2013	ND
7/16/2013	0.0066
8/1/2013	ND
9/17/2013	ND
10/14/2013	ND
11/14/2013	ND
12/13/2013	0.0169
1/15/2014	ND
2/6/2014	ND
3/6/2014	ND
4/3/2014	ND
4/30/2014	ND
5/6/2014	ND
6/1/2014	ND
Discharge Limits*	1.0

Notes:
All sample results are reported in milligrams per liter (mg/L) or parts per million (ppm)
ND - Constituent not detected above laboratory detection limit
NAN - Sample was not analyzed
NAN# - Due to miscommunication, a sample from Outfall 004 was not collected and analyzed in July 2008. After communicating this to POTW, Town of Speedway requested collection and analysis of two (2) samples in August 2008.

* - TTO permit limit based on combined TTO Volatiles
Discharge limits set forth in: Industrial Waste Discharge Permit No. 2007-03 issued to Environmental Corporate Remediation Company, Inc (ENCORE), effective October 01, 2007 through September 30, 2009, and Permit No. 2009-3 issued to General Motors, LLC

Water discharged since October 01, 2009 was performed under Industrial Waste Discharge Permit No. 2009-03 issued to General Motors, LLC.
Water discharged between October 01, 2007 and September 30, 2009 was performed under Industrial Waste Discharge Permit No. 2007-03 issued to ENCORE.
Water discharged prior to October 01, 2007 was performed under Industrial Waste Discharge Permit No. 2003-01 issued to General Motors Powertrain - Allison Tranmission.

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Table 9. Mass Removal Summary Sheet for Constituents of Concern from the Plant 14 SVE System, Interim Measures Semi Annual Status and Groundwater Monitoring Report, First Half 2014 (January 2014 - June 2014), Allison Transmission, Inc., Speedway, Indiana.

																	Not a Hazardous Air Pollutant	
Discharge Interval	Date & Time System Adjusted or End of Month	Operational Time Since System Adjusted (hours)	Discharge Flow Rate (cfm)	PCE (lb/hr)	PCE Discharged (lbs)	1,1,1-TCA (lb/hr)	1,1,1-TCA Discharged (lbs)	Chloroform (lb/hr)	Chloroform Discharged (lbs)	TCE (lb/hr)	TCE Discharged (lbs)	Cumene (lb/hr)	Cumene Discharged (lbs)	Toluene (lb/hr)	Toluene Discharged (lbs)	cis-1,2-DCE (lb/hr)	cis-1,2-DCE Discharged (lbs)
4/4/2013 to 4/4/2013	4/4/13 14:30	6.00	415	3.1483	18.8901	0.0000	0.0000	0.0000	0.0000	0.0206	0.1239	0.0000	0.0000	0.0000	0.0000	0.0121	0.0723
4/4/2013 to 4/9/2013	4/9/13 13:30	111.00	415	3.1483	349.4664	0.0000	0.0000	0.0000	0.0000	0.0206	2.2914	0.0000	0.0000	0.0000	0.0000	0.0121	1.3383
4/9/2013 to 4/25/2013	4/25/13 13:30	384.00	349	1.4628	561.6969	0.0000	0.0000	0.0000	0.0000	0.0094	3.6158	0.0000	0.0000	0.0000	0.0000	0.0096	3.6935
4/25/2013 to 4/30/2013	4/30/13 0:00	105.00	349	0.4480	47.0366	0.0000	0.0000	0.0000	0.0000	0.0020	0.2130	0.0000	0.0000	0.0000	0.0000	0.0017	0.1739
April (2013) Monthly Discharge Total (pounds)					**977.0900**		**0.0000**		**0.0000**		**6.2440**		**0.0000**		**0.0000**		**5.2781**
5/1/2013 to 5/2/2013	5/2/13 15:12	63.00	349	0.4480	28.2220	0.0000	0.0000	0.0000	0.0000	0.0020	0.1278	0.0000	0.0000	0.0000	0.0000	0.0017	0.1044
5/2/2013 to 5/31/2013	5/31/13 0:00	703.00	367	0.3264	229.4428	0.0000	0.0000	0.0000	0.0000	0.0014	1.0158	0.0000	0.0000	0.0000	0.0000	0.0012	0.8678
May (2013) Monthly Discharge Total (pounds)					**257.665**		**0.000**		**0.000**		**1.144**		**0.000**		**0.000**		**0.972**
6/1/2013 to 6/13/2013	6/20/13 14:30	257.00	367	0.3264	83.8788	0.0000	0.0000	0.0000	0.0000	0.0014	0.3714	0.0000	0.0000	0.0000	0.0000	0.0012	0.3172
6/20/2013 to 6/30/2013	6/30/13 0:00	250.00	358	0.1687	42.1684	0.0000	0.0000	0.0000	0.0000	0.0006	0.1522	0.0000	0.0000	0.0000	0.0000	0.0004	0.0876
June (2013) Monthly Discharge Total (pounds)					**126.047**		**0.000**		**0.000**		**0.5236**		**0.000**		**0.000**		**0.405**
7/1/2013 to 7/29/2013	7/29/13 14:45	534.00	358	0.1687	90.0717	0.0000	0.0000	0.0000	0.0000	0.0006	0.3251	0.0000	0.0000	0.0000	0.0000	0.0004	0.1872
7/29/2013 to 7/31/2013	7/31/13 0:00	57.00	349	0.0667	3.8041	0.0000	0.0000	0.0000	0.0000	0.0002	0.0132	0.0000	0.0000	0.0000	0.0000	0.0003	0.0143
July (2013) Monthly Discharge Total (pounds)					**93.876**		**0.000**		**0.000**		**0.338**		**0.000**		**0.000**		**0.202**
8/1/2013 to 8/29/2013	8/29/13 13:45	278.00	349	0.0667	18.5532	0.0000	0.0000	0.0000	0.0000	0.0002	0.0644	0.0000	0.0000	0.0000	0.0000	0.0003	0.0698
8/29/2013 to 8/31/2013	8/31/13 0:00	8.30	358	0.0722	0.5989	0.0000	0.0000	0.0000	0.0000	0.0003	0.0028	0.0000	0.0000	0.0012	0.0101	0.0003	0.0022
August (2013) Monthly Discharge Total (pounds)					**19.152**		**0.000**		**0.000**		**0.067**		**0.000**		**0.010**		**0.072**
9/1/2013 to 9/30/2013	9/30/13 0:00	607.70	358	0.0722	43.8485	0.0000	0.0000	0.0000	0.0000	0.0003	0.2030	0.0000	0.0000	0.0012	0.7594	0.0003	0.1598
September (2013) Monthly Discharge Total (pounds)					**43.848**		**0.000**		**0.000**		**0.203**		**0.000**		**0.759**		**0.072**
10/1/2013 to 10/17/2013	10/17/13 11:30	395.00	358	0.0722	28.5012	0.0000	0.0000	0.0000	0.0000	0.0003	0.1320	0.0000	0.0000	0.0012	0.4936	0.0003	0.1038
10/17/2013 to 10/31/2013	10/31/13 0:00	348.50	393	0.0843	29.3914	0.0000	0.0000	0.0000	0.0000	0.0003	0.1079	0.0000	0.0000	0.0000	0.0000	0.0003	0.1006
October (2013) Monthly Discharge Total (pounds)					**57.893**		**0.000**		**0.000**		**0.240**		**0.000**		**0.494**		**0.204**
10/1/2013 to 11/30/2013	11/30/13 0:00	723.00	393	0.0843	60.9755	0.0000	0.0000	0.0000	0.0000	0.0003	0.2239	0.0000	0.0000	0.0000	0.0000	0.0003	0.2086
November (2013) Monthly Discharge Total (pounds)					**60.976**		**0.000**		**0.000**		**0.224**		**0.000**		**0.000**		**0.204**
12/1/2013 to 12/31/2013	12/31/13 0:00	744.00	393	0.0843	62.7466	0.0000	0.0000	0.0000	0.0000	0.0003	0.2304	0.0000	0.0000	0.0000	0.0000	0.0003	0.2147
December (2013) Monthly Discharge Total (pounds)					**62.747**		**0.000**		**0.000**		**0.230**		**0.000**		**0.000**		**0.209**

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Table 9. Mass Removal Summary Sheet for Constituents of Concern from the Plant 14 SVE System, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014 (January 2014 - June 2014), Allison Transmission, Inc., Speedway, Indiana.

1/1/2014 to 1/30/2014	1/30/14 0:00	275.50	393	0.0843	23.2348	0.0000	0.0000	0.0000	0.0000	0.0003	0.0853	0.0000	0.0000	0.0000	0.0000	0.0003	0.0795
January (2014) Monthly Discharge Total (pounds)					**23.235**		**0.000**		**0.000**		**0.085**		**0.000**		**0.000**		**0.215**
2/1/2014 to 2/27/2014	2/27/14 14:00	616.00	393	0.0843	51.9313	0.0000	0.0000	0.0000	0.0000	0.0003	0.1907	0.0000	0.0000	0.0000	0.0000	0.0003	0.1778
2/27/2014 to 2/28/2014	2/28/14 0:00	31.50	393	0.0576	1.8143	0.0000	0.0000	0.0666	2.0980	0.0002	0.0074	0.0000	0.0000	0.0000	0.0000	0.0002	0.0057
February (2014) Monthly Discharge Total (pounds)					**53.766**		**0.000**		**2.099**		**0.198**		**0.000**		**0.000**		**0.183**
3/1/2014 to 3/31/2014	3/31/14 0:00	554.50	393	0.0576	31.9369	0.0000	0.0000	0.0666	36.9457	0.0002	0.1310	0.0000	0.0000	0.0000	0.0000	0.0002	0.1000
March (2014) Monthly Discharge Total (pounds)					**31.937**		**0.000**		**36.946**		**0.131**		**0.000**		**0.000**		**0.183**
4/1/2014 to 4/30/2014	4/30/14 0:00	492.00	393	0.0576	28.3372	0.0000	0.0000	0.0666	32.7814	0.0002	0.1163	0.0000	0.0000	0.0000	0.0000	0.0002	0.0887
April (2014) Monthly Discharge Total (pounds)					**28.337**		**0.000**		**32.781**		**0.116**		**0.000**		**0.000**		**0.100**
5/1/2014 to 5/15/2014	5/15/14 13:00	349.00	393	0.0576	20.1010	0.0000	0.0000	0.0666	23.2534	0.0002	0.0825	0.0000	0.0000	0.0000	0.0000	0.0002	0.0629
5/15/2014 to 5/31/2014	5/31/14 0:00	297.00	367	0.0250	7.4126	0.0000	0.0000	0.0000	0.0000	0.0001	0.0339	0.0000	0.0000	0.0000	0.0000	0.0001	0.0433
May (2014) Monthly Discharge Total (pounds)					**27.514**		**0.000**		**23.253**		**0.116**		**0.000**		**0.000**		**0.106**
6/1/2014 to 6/30/2014	6/30/14 0:00	914.00	367	0.0250	22.8118	0.0000	0.0000	0.0000	0.0000	0.0001	0.1043	0.0000	0.0000	0.0000	0.0000	0.0001	0.1333
June (2014) Monthly Discharge Total (pounds)					**22.812**		**0.000**		**0.000**		**0.104**		**0.000**		**0.000**		**0.106**
Total Discharged (pounds)					**1,886.89**		**0.0000**		**95.0795**		**9.9653**		**0.0000**		**1.2633**		**8.4074**
Total Discharged (tons)					**0.9434**		**0.0000**		**0.0475**		**0.0050**		**0.0000**		**0.0006**		**0.0042**
Estimated 12 Consecutive Month Discharge (tons)*					**0.2630**		**0.0000**		**0.0475**		**0.0010**		**0.0000**		**0.0006**		**0.0009**

Notes:

* Estimated 12 consecutive month discharge is calculated by the sum of mass removed during the last 12 months listed on the table above.

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Table 10. Plant 12 Groundwater Recovery System Effluent Water Volume Discharged to the Town of Speedway Sanitary Sewer System. Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014 (January 2014- June 2014), Allison Transmission, Inc., Speedway, Indiana.

Date	Discharge Amount (gal)	Total Discharge (gal)	Percent Run-time
September-07	75,615	75,615	
October-07	601,623	677,238	
November-07	638,389	1,315,627	
December-07	345,039	1,660,666	
January-08	737,449	2,398,115	
February-08	837,594	3,235,709	
March-08	981,791	4,217,500	80%
April-08	619,681	4,837,181	63%
May-08	739,298	5,576,478	71%
June-08	672,426	6,248,905	50%
July-08	611,205	6,860,110	58%
August-08	718,930	7,579,040	58%
September-08	460,259	8,039,299	63%
October-08	235,153	8,274,452	55%
November-08	127,124	8,401,576	63%
December-08	374,231	8,642,203	81%
January-09	504,653	9,146,856	65%
February-09	529,744	9,676,600	57%
March-09	343,951	10,020,551	29%
April-09	1,098,682	11,119,233	87%
May-09	571,106	11,690,339	65%
June-09	667,825	12,358,164	87%
July-09	568,184	12,926,348	84%
August-09	816,846	13,743,194	94%
September-09	819,163	14,562,357	93%
October-09	887,927	15,450,284	87%
November-09	1,101,688	16,551,972	90%
December-09	502,950	17,054,922	52%
January-10	574,096	17,629,018	94%
February-10	774,697	18,403,715	82%
March-10	956,490	19,360,205	87%
April-10	809,851	20,170,056	87%
May-10	735,264	20,905,320	100%
June-10	807,527	21,712,847	90%
July-10	805,632	22,518,479	97%
August-10	1,152,629	23,671,108	90%
September-10	909,000	24,580,108	100%
October-10	488,910	25,069,018	77%
November-10	403,312	25,472,330	87%
December-10	196,332	25,668,662	61%
January-11	695,298	26,363,960	84%
February-11	769,046	27,133,006	100%
March-11	718,189	27,851,195	94%
April-11	1,361,088	29,212,283	93%
May-11	1,446,412	30,658,695	97%
June-11	1,390,464	32,049,159	93%
July-11	1,080,212	33,129,371	84%
August-11	1,150,464	34,279,835	100%

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Table 10. Plant 12 Groundwater Recovery System Effluent Water Volume Discharged to the Town of Speedway Sanitary Sewer System. Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014 (January 2014- June 2014), Allison Transmission, Inc., Speedway, Indiana.

Date	Discharge Amount (gal)	Total Discharge (gal)	Percent Run-time
September-11	906,374	35,186,209	97%
October-11	796,416	35,982,625	90%
November-11	859,070	36,841,695	93%
December-11	895,068	37,736,763	100%
January-12	1,154,796	38,891,559	100%
February-12	930,200	39,821,759	93%
March-12	1,151,344	40,973,103	94%
April-12	911,808	41,884,911	93%
May-12	1,085,464	42,970,375	97%
June-12	1,300,160	44,270,535	97%
July-12	1,378,964	45,649,499	97%
August-12	1,137,208	46,786,707	97%
September-12	952,320	47,739,027	93%
October-12	1,026,100	48,765,127	97%
November-12	804,048	49,569,175	100%
December-12	395,956	49,965,131	65%
January-13	811,740	50,776,871	100%
February-13	800,508	51,577,379	100%
March-13	960,224	52,537,603	100%
April-13	907,036	53,444,639	100%
May-13	1,161,040	54,605,679	100%
June-13	794,335	55,400,014	100%
July-13	1,138,849	56,538,863	97%
August-13	1,283,744	57,822,607	97%
September-13	1,071,688	58,894,295	93%
October-13	1,232,976	60,127,271	97%
November-13	956,552	61,083,823	100%
December-13	921,400	62,005,223	100%
January-14	1,160,400	63,165,623	100%
February-14	1,131,160	64,296,783	100%
March-14	1,623,648	65,920,431	100%
April-14	971,472	66,891,903	100%
May-14	776,792	67,668,695	90%
June-14	888,120	68,556,815	100%

NOTES:

1) Discharge of the pre-treated effluent water has been approved by the Town of Speedway through Industrial Waste Discharge Permits Number 2007-3 and 2009-3. Permit 2007-3, issued to ENCORE, was approved on September 24, 2007, and was effective October 1, 2007 through September 30, 2009. Permit 2009-3, issued to General Motors, LLC, became effective October 1, 2009. Prior to October 2007, the discharge was permitted through the Town of Speedway Industrial Waste Discharge Permit Number 2003-1.

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Table 11. Recovery Well VOC Analytical Results, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014 (January 2014 - June 2014), Allison Transmission, Inc., Speedway, Indiana.

		Volatile Organic Compound (VOC) mg/l														
Recovery Well	Sample Date	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Isopropylbenzene	Methylene Chloride	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Vinyl Chloride	Benzene	Toluene	Ethylbenzene	Xylenes (total)	1,2,4-Trichlorobenzene
RW-0604-S3	12/12/2007	< 0.005	< 0.005	< 0.005	< 0.005	0.002	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	3/4/2008	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	6/3/2008	< 0.005	< 0.005	< 0.005	< 0.005	0.001	< 0.005	0.001	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	8/11/2008	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	11/3/2008	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	2/10/2009	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	6/16/2009	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	8/11/2009	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	11/16/2009	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	6/8/2010	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	1/7/2011	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	9/7/2011	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	5/17/2012	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	10/8/2012	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	2/12/2013	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	6/18/2013	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	11/13/2013	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	2/27/2014	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	6/9/2014	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
RW 0604 S2B	12/12/2007	< 0.005	< 0.005	< 0.005	< 0.005	0.003	< 0.005	< 0.005	< 0.005	< 0.005	0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	3/4/2008	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	6/3/2008	< 0.005	< 0.005	< 0.005	< 0.005	0.001	< 0.005	0.001	< 0.005	< 0.005	0.003	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	8/11/2008	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.0022	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	11/3/2008	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	2/10/2009	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.001	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	6/16/2009	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.0034	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	8/11/2009	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	11/16/2009	< 0.005	< 0.005	0.0041	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.003	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	6/8/2010	< 0.005	< 0.005	0.0109	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.0031	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	1/7/2011	< 0.005	< 0.005	0.0041	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	9/7/2011	< 0.005	< 0.005	0.0099	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	5/17/2012	< 0.005	< 0.005	0.0175	< 0.005	< 0.005	< 0.005	0.020	< 0.005	0.0220	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	10/8/2012	< 0.005	< 0.005	0.0253	< 0.005	< 0.005	< 0.005	0.048	< 0.005	0.0291	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	2/12/2013	< 0.005	< 0.005	0.0247	< 0.005	< 0.005	< 0.005	0.056	< 0.005	0.0403	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	6/18/2013	< 0.005	< 0.005	0.0234	< 0.005	< 0.005	< 0.005	0.0703	< 0.005	0.0304	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	11/13/2013	< 0.005	< 0.005	0.0298	< 0.005	< 0.005	< 0.005	0.0749	< 0.005	0.0388	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	2/27/2014	< 0.005	< 0.005	0.0349	< 0.005	< 0.005	< 0.005	0.0899	< 0.005	0.0439	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	6/9/2014	< 0.005	< 0.005	0.0183	< 0.005	< 0.005	< 0.005	0.0770	< 0.005	0.0307	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
RW 0603 S3	1/25/2008	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	3/4/2008	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	6/3/2008	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	8/11/2008	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	11/3/2008	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	2/10/2009	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	6/16/2009	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	8/11/2009	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	11/16/2009	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	6/8/2010	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	1/7/2011	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	9/7/2011	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	5/17/2012	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	10/8/2012	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	2/12/2013	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	6/18/2013	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	11/13/2013	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	2/27/2014	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	6/9/2014	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
RW-0501-S3	12/12/2007	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	3/4/2008	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	6/3/2008	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	8/11/2008	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	0.010	0.103	< 0.005
	11/3/2008	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	2/10/2009	0.001	< 0.005	0.002	< 0.005	< 0.005	< 0.005	0.269	< 0.005	0.007	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	6/16/2009	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.0008	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	8/11/2009	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	11/16/2009	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.0032	< 0.005	< 0.005	< 0.002	0.010	< 0.005	< 0.005	<0.010	< 0.005
	6/8/2010	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	1/7/2011	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	9/7/2011	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	5/17/2012	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	10/8/2012	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	2/12/2013	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	6/18/2013	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	11/13/2013	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	2/27/2014	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	6/9/2014	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005

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Table 11. Recovery Well VOC Analytical Results, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014 (January 2014 - June 2014), Allison Transmission, Inc., Speedway, Indiana.

		Volatile Organic Compound (VOC) mg/l														
Recovery Well	Sample Date	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Isopropylbenzene	Methylene Chloride	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Vinyl Chloride	Benzene	Toluene	Ethylbenzene	Xylenes (total)	1,2,4-Trichlorobenzene
RW-0501-S2B	12/12/2007	< 0.005	0.011	0.009	< 0.005	< 0.005	< 0.005	0.001	< 0.005	< 0.005	0.006	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	3/4/2008	< 0.005	0.010	0.046	< 0.005	< 0.005	< 0.005	0.045	< 0.005	0.006	0.083	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	6/3/2008	< 0.005	0.020	0.088	< 0.005	< 0.005	< 0.005	0.926	< 0.005	0.100	0.050	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	8/11/2008	< 0.005	0.014	0.064	< 0.005	< 0.005	< 0.005	1.020	< 0.005	0.102	0.035	< 0.005	< 0.005	0.007	0.079	< 0.005
	11/3/2008	< 0.005	0.012	0.028	< 0.005	< 0.005	< 0.005	0.437	< 0.005	0.038	0.022	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	2/10/2009	< 0.005	0.003	0.035	< 0.005	< 0.005	< 0.005	0.222	< 0.005	0.040	0.012	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	6/16/2009	< 0.005	0.0215	0.0926	0.0024	< 0.005	< 0.005	1.160	< 0.005	0.0987	0.0342	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	8/11/2009	< 0.005	0.0156	0.0792	< 0.005	< 0.005	< 0.005	1.320	< 0.005	0.150	0.0370	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	11/16/2009	< 0.005	0.0151	0.0812	< 0.005	< 0.005	< 0.005	1.420	< 0.005	0.159	0.0322	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	6/8/2010	< 0.005	0.0135	0.0981	< 0.005	< 0.005	< 0.005	0.622	< 0.005	0.1240	0.0366	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	1/7/2011	< 0.005	0.0137	0.1040	0.0067	< 0.005	< 0.005	0.838	< 0.005	0.121	0.0335	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	9/7/2011	< 0.005	< 0.005	0.2600	< 0.005	< 0.005	< 0.005	0.867	< 0.005	0.116	0.0278	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	5/17/2012	< 0.005	< 0.005	0.0959	< 0.005	< 0.005	< 0.005	0.838	< 0.005	0.135	0.0109	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	10/8/2012	< 0.005	< 0.005	0.2430	< 0.005	< 0.005	< 0.005	1.210	< 0.005	0.111	0.0635	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	2/12/2013	< 0.005	< 0.005	0.1200	< 0.005	< 0.005	< 0.005	0.874	< 0.005	0.172	0.0361	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	6/18/2013	< 0.005	< 0.005	0.1090	< 0.005	< 0.005	< 0.005	1.230	< 0.005	0.126	0.0226	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	11/13/2013	< 0.005	< 0.005	0.1120	< 0.005	< 0.005	< 0.005	1.850	< 0.005	0.197	0.0083	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	2/27/2014	< 0.005	0.0072	0.3850	0.0034	< 0.005	< 0.005	1.930	< 0.005	0.229	0.0554	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	6/9/2014	< 0.005	0.0026	0.1220	< 0.005	< 0.005	< 0.005	2.450	< 0.005	0.273	0.0229	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
RW-0602-S3	12/12/2007	< 0.005	< 0.005	< 0.005	< 0.005	0.012	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	0.006	< 0.005	< 0.005	<0.010	< 0.005
	3/4/2008	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	6/3/2008	< 0.005	< 0.005	< 0.005	< 0.005	0.004	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	0.0015	< 0.005	< 0.005	<0.010	< 0.005
	8/11/2008	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	11/3/2008	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	2/10/2009	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	6/16/2009	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.0044	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	8/11/2009	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	11/16/2009	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.0021	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	6/8/2010	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	1/7/2011	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	9/7/2011	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	5/17/2012	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	10/9/2012	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	2/12/2013	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	6/18/2013	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/13/2013	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	2/27/2014	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	6/9/2014	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.0016	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
RW-0602-S2A/S2B	12/12/2007	0.003	< 0.005	0.008	< 0.005	< 0.005	0.008	< 0.005	< 0.005	< 0.005	0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	3/4/2008	< 0.005	< 0.005	0.004	< 0.005	< 0.005	< 0.005	0.0104	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	6/3/2008	< 0.005	< 0.005	0.002	< 0.005	0.003	< 0.005	0.0081	< 0.005	< 0.005	0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	8/11/2008	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	0.0054
	11/3/2008	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	2/10/2009	< 0.005	< 0.005	0.001	< 0.005	0.001	< 0.005	0.002	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	6/16/2009	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.141	< 0.005	0.0025	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	8/11/2009	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	11/16/2009	< 0.005	< 0.005	0.0143	< 0.005	< 0.005	< 0.005	2.030	< 0.005	0.0473	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	6/8/2010	< 0.005	< 0.005	0.0153	< 0.005	< 0.005	< 0.005	0.0375	< 0.005	0.0031	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	1/7/2011	< 0.005	< 0.005	0.0127	< 0.005	0.0082	< 0.005	0.0174	< 0.005	0.0096	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	9/7/2011	< 0.005	< 0.005	0.0522	< 0.005	< 0.005	< 0.005	0.0068	< 0.005	0.0110	0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	5/17/2012	< 0.005	< 0.005	<0.005	< 0.005	< 0.005	< 0.005	<0.005	< 0.005	<0.005	<0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	10/8/2012	< 0.005	< 0.005	<0.005	< 0.005	< 0.005	< 0.005	0.0587	< 0.005	<0.005	<0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	2/12/2013	< 0.005	< 0.005	0.0092	< 0.005	< 0.005	< 0.005	0.0672	< 0.005	<0.005	0.006	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	6/18/2013	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.0440	< 0.005	<0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	11/13/2013	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.0216	< 0.005	<0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	2/27/2014	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.0336	< 0.005	<0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	6/9/2014	< 0.005	< 0.005	< 0.005	< 0.005	0.0027	< 0.005	0.006	< 0.005	<0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
RW 0502 S2B	12/12/2007	0.0165	< 0.005	0.023	0.003	< 0.005	0.005	< 0.005	0.005	< 0.005	0.0023	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	3/4/2008	0.0163	< 0.005	0.022	0.004	< 0.005	< 0.005	< 0.005	0.009	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	6/3/2008	0.0197	< 0.005	0.027	< 0.005	< 0.005	< 0.005	< 0.005	0.006	< 0.005	0.0037	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	8/11/2008	0.0141	< 0.005	0.021	< 0.005	< 0.005	< 0.005	< 0.005	0.008	< 0.005	0.0033	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	11/3/2008	0.0124	< 0.005	0.018	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.0032	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	2/10/2009	0.0104	< 0.005	0.016	0.002	< 0.005	< 0.005	< 0.005	0.004	< 0.005	0.0007	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	6/16/2009	0.0119	< 0.005	0.0179	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	8/11/2009	0.0108	< 0.005	0.0165	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.0029	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	11/16/2009	0.0118	< 0.005	0.0168	0.0017	< 0.005	< 0.005	< 0.005	0.0039	< 0.005	0.0028	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	6/8/2010	0.0094	< 0.005	0.0161	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.0051	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	1/7/2011	0.0141	< 0.005	0.0172	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.0061	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	9/7/2011	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.010	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	5/17/2012	0.005	< 0.005	0.0169	< 0.005	< 0.005	< 0.005	<0.005	< 0.005	< 0.005	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	10/8/2012	< 0.005	< 0.005	0.0506	< 0.005	< 0.005	< 0.005	<0.005	< 0.005	0.016	0.003	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	2/12/2013	< 0.005	< 0.005	0.0600	< 0.005	< 0.005	< 0.005	0.0104	< 0.005	0.0143	0.003	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	6/18/2013	< 0.005	< 0.005	0.0534	< 0.005	< 0.005	< 0.005	0.0164	< 0.005	0.028	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	11/13/2013	0.0055	< 0.005	0.0523	< 0.005	< 0.005	< 0.005	0.0158	< 0.005	0.0285	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	2/27/2014	0.0053	< 0.005	0.0485	< 0.005	< 0.005	< 0.005	0.0178	< 0.005	0.0283	0.0026	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	6/9/2014	0.0051	< 0.005	0.0397	< 0.005	< 0.005	< 0.005	0.0147	< 0.005	0.0232	0.0021	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
RW-1301-S2	1/22/2014	< 0.005	< 0.005	0.0052	< 0.005	< 0.005	< 0.005	0.0253	< 0.005	0.0074	0.0033	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	2/27/2014	< 0.005	< 0.005	0.0047	< 0.005	< 0.005	< 0.005	0.113	< 0.005	0.0277	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005
	6/9/2014	< 0.005	< 0.005	0.0052	< 0.005	< 0.005	< 0.005	0.232	< 0.005	0.0241	< 0.002	< 0.005	< 0.005	< 0.005	<0.010	< 0.005

ARCADIS

Table 11. Recovery Well VOC Analytical Results, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014 (January 2014 - June 2014), Allison Transmission, Inc., Speedway, Indiana.

		Volatile Organic Compound (VOC) mg/l														
Recovery Well	Sample Date	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Isopropylbenzene	Methylene Chloride	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Vinyl Chloride	Benzene	Toluene	Ethylbenzene	Xylenes (total)	1,2,4-Trichlorobenzene
RW-0201-S2A	12/12/2007	< 0.500	< 0.500	0.578	< 0.500	< 0.500	0.824	64.4	< 0.500	0.429	< 0.200	< 0.500	< 0.500	< 0.500	<1.000	< 0.500
	3/4/2008	< 0.500	< 0.500	1.180	< 0.500	< 0.500	< 0.500	92.5	< 0.500	0.613	< 0.200	< 0.500	< 0.500	< 0.500	<1.000	< 0.500
	6/3/2008	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	0.875	87.1	< 0.500	< 0.500	< 0.200	< 0.500	< 0.500	< 0.500	<1.000	< 0.500
	8/11/2008	< 0.250	0.0144	0.0759	< 0.250	< 0.250	< 0.250	165	< 0.250	1.190	0.0041	< 0.250	0.0215	< 0.250	<0.500	< 0.250
	11/3/2008	< 0.250	< 0.250	29.4000	< 0.250	< 0.250	< 0.250	5.14	< 0.250	1.170	< 0.100	< 0.250	< 0.250	< 0.250	<0.500	< 0.250
	2/10/2009	< 0.250	< 0.250	0.0961	< 0.250	< 0.250	< 0.250	74.3	< 0.250	0.990	< 0.100	< 0.250	< 0.250	< 0.250	<0.500	< 0.250
	6/16/2009	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	42.3	< 0.500	0.761	< 0.200	< 0.500	< 0.250	< 0.250	<0.500	< 0.250
	8/11/2009	< 0.250	< 0.250	< 0.250	< 0.250	< 0.250	< 0.250	67.2	< 0.250	1.150	< 0.100	< 0.250	< 0.250	< 0.250	<0.500	< 0.250
	11/16/2009	< 0.500	< 0.500	0.307	< 0.500	< 0.500	< 0.500	61.4	< 0.500	0.516	< 0.200	< 0.500	< 0.250	< 0.250	<0.500	< 0.250
	6/8/2010	< 0.005	< 0.005	0.166	< 0.005	< 0.005	< 0.005	24.9	< 0.005	0.748	0.0091	< 0.005	< 0.250	< 0.250	<0.500	< 0.250
	3/18/2011	< 0.050	< 0.050	0.203	< 0.050	< 0.050	< 0.050	36.6	< 0.050	1.040	< 0.020	< 0.050	<0.050	<0.050	<0.100	<0.050
	9/7/2011	< 0.250	< 0.250	0.127	< 0.250	< 0.250	< 0.250	44.3	< 0.250	0.797	< 0.100	< 0.250	< 0.250	< 0.250	<0.500	< 0.250
	5/17/2012	< 0.005	< 0.005	0.250	< 0.005	< 0.005	< 0.005	26.1	< 0.005	0.558	<0.002	< 0.005	<0.005	<0.005	<0.010	<0.005
	10/8/2012	< 0.050	< 0.050	0.294	< 0.050	< 0.050	< 0.050	30.5	< 0.050	0.966	<0.020	< 0.050	< 0.050	< 0.050	<0.100	< 0.050
	2/12/2013	< 0.050	< 0.050	0.351	< 0.050	< 0.050	< 0.050	6.7	< 0.050	0.772	<0.020	< 0.050	< 0.050	< 0.050	<0.100	< 0.050
	6/18/2013	< 0.050	< 0.050	0.252	< 0.050	< 0.050	< 0.050	27.8	< 0.050	0.613	<0.020	< 0.050	< 0.050	< 0.050	<0.100	< 0.050
	11/13/2013	< 0.50	< 0.50	0.786	< 0.50	< 0.50	< 0.50	33.5	< 0.50	1.850	<0.20	< 0.50	< 0.50	< 0.50	<1.000	< 0.50
	2/27/2014	< 0.050	< 0.050	0.395	< 0.050	< 0.050	< 0.050	25.9	< 0.050	1.250	< 0.020	< 0.050	< 0.050	< 0.050	< 0.10	< 0.050
	6/9/2014	< 0.050	< 0.050	0.282	< 0.050	< 0.050	< 0.050	36.4	< 0.050	1.500	< 0.020	< 0.050	< 0.050	< 0.050	< 0.10	< 0.050
RW-0202-S2A	12/12/2007	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	164	< 0.500	0.330	< 0.200	< 0.500	< 0.500	< 0.500	<1.000	< 0.500
	3/4/2008	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	< 0.500	< 0.500	<1.000	< 0.500
	6/3/2008	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	0.85	165	< 0.500	0.931	< 0.200	< 0.500	< 0.500	< 0.500	<1.000	< 0.500
	8/11/2008	< 0.250	0.0113	0.0599	< 0.250	< 0.250	< 0.250	152	< 0.250	1.140	0.0032	< 0.250	0.0183	< 0.250	<0.500	< 0.250
	11/3/2008	< 0.250	< 0.250	< 0.250	< 0.250	< 0.250	< 0.250	129	< 0.250	1.080	< 0.100	< 0.250	< 0.250	< 0.250	<0.500	< 0.250
	2/10/2009	< 0.250	< 0.250	0.049	< 0.250	< 0.250	< 0.250	116	< 0.250	1.180	< 0.100	< 0.250	< 0.250	< 0.250	<0.500	< 0.250
	6/16/2009	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	120	< 0.500	0.926	< 0.200	< 0.500	< 0.250	< 0.250	<0.500	< 0.250
	8/11/2009	< 0.250	< 0.250	< 0.250	< 0.250	< 0.250	< 0.250	71.8	< 0.250	1.150	< 0.100	< 0.250	< 0.250	< 0.250	<0.500	< 0.250
	11/16/2009	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	83.8	< 0.500	0.799	< 0.200	< 0.500	< 0.250	< 0.250	<0.500	< 0.250
	6/8/2010	< 0.005	< 0.005	0.264	< 0.005	< 0.005	< 0.005	27.7	< 0.005	0.811	< 0.200	< 0.005	<0.005	<0.005	<0.010	<0.005
	1/21/2011	< 0.005	< 0.005	0.484	< 0.005	< 0.005	< 0.005	6.4	< 0.005	0.546	< 0.002	< 0.005	<0.005	<0.005	<0.010	<0.005
	9/7/2011	< 0.250	< 0.250	< 0.250	< 0.250	< 0.250	< 0.250	14.6	< 0.250	0.977	< 0.100	< 0.250	< 0.250	< 0.250	<0.500	< 0.250
	5/17/2012	< 0.005	< 0.005	0.222	< 0.005	< 0.005	< 0.005	22.7	< 0.005	0.738	<0.002	< 0.005	<0.005	<0.005	<0.010	<0.005
	10/9/2012	< 0.050	< 0.050	0.090	< 0.050	< 0.050	< 0.050	5.0	< 0.050	0.210	<0.020	< 0.050	< 0.050	< 0.050	<0.100	< 0.050
	2/12/2013	< 0.025	< 0.025	0.149	< 0.025	< 0.025	< 0.025	12.3	< 0.025	0.942	<0.010	< 0.025	< 0.025	< 0.025	<0.050	< 0.025
	6/18/2013	< 0.025	< 0.025	0.181	< 0.025	< 0.025	< 0.025	26.5	< 0.025	0.828	<0.010	< 0.025	< 0.025	< 0.025	<0.050	< 0.025
	11/13/2013	< 0.025	< 0.025	0.727	< 0.025	< 0.025	< 0.025	29.4	< 0.025	1.990	<0.010	< 0.025	< 0.025	< 0.025	<0.050	< 0.025
	2/27/2014	< 0.050	< 0.050	0.394	< 0.050	< 0.050	< 0.050	26.7	< 0.050	1.380	< 0.020	< 0.050	< 0.050	< 0.050	< 0.100	< 0.050
	6/9/2014	< 0.050	< 0.050	0.444	< 0.050	< 0.050	< 0.050	22.0	< 0.050	0.621	< 0.020	< 0.050	< 0.050	< 0.050	< 0.100	< 0.050
RW-0203-S2A	12/12/2007	< 0.500	< 0.500	0.226	< 0.500	< 0.500	0.551	86.1	< 0.500	1.210	< 0.200	< 0.500	< 0.500	< 0.500	<1.000	< 0.500
	3/4/2008	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	73.8	< 0.500	0.994	< 0.200	< 0.500	< 0.500	< 0.500	<1.000	< 0.500
	6/3/2008	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	1.040	51.6	< 0.500	0.851	< 0.200	< 0.500	< 0.500	< 0.500	<1.000	< 0.500
	8/11/2008	< 0.250	0.0142	0.114	< 0.250	< 0.250	< 0.250	155	< 0.250	< 0.005	0.0043	< 0.250	0.0197	< 0.250	<0.500	< 0.250
	11/3/2008	< 0.250	< 0.250	< 0.250	< 0.250	< 0.250	< 0.250	62.0	< 0.250	1.640	< 0.100	< 0.250	< 0.250	< 0.250	<0.500	< 0.250
	2/10/2009	< 0.250	< 0.250	0.039	< 0.250	< 0.250	< 0.250	28.3	< 0.250	0.663	< 0.100	< 0.250	< 0.250	< 0.250	<0.500	< 0.250
	6/16/2009	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	77.8	< 0.500	1.030	< 0.200	< 0.500	< 0.250	< 0.250	<0.500	< 0.250
	8/11/2009	< 0.250	< 0.250	< 0.250	< 0.250	< 0.250	< 0.250	31.3	< 0.250	0.752	< 0.100	< 0.250	< 0.250	< 0.250	<0.500	< 0.250
	11/16/2009	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	39.6	< 0.500	0.072	< 0.200	< 0.500	< 0.250	< 0.250	<0.500	< 0.250
	6/8/2010	< 0.005	< 0.005	1.510	< 0.005	< 0.005	< 0.005	10.8	< 0.005	0.657	0.0093	< 0.005	<0.005	<0.005	<0.010	<0.005
	1/21/2011	< 0.005	< 0.005	0.348	< 0.005	< 0.005	< 0.005	31.1	< 0.005	1.520	0.0056	< 0.005	<0.005	<0.005	<0.010	<0.005
	9/7/2011	< 0.250	< 0.250	< 0.250	< 0.250	< 0.250	< 0.250	27.3	< 0.250	0.802	< 0.100	<0.250	< 0.250	< 0.250	< 0.500	< 0.250
	5/17/2012	< 0.005	< 0.005	0.219	< 0.005	< 0.005	< 0.005	29.0	< 0.005	0.896	0.0046	< 0.005	<0.005	<0.005	<0.010	<0.005
	10/8/2012	<0.005	<0.005	0.011	<0.005	<0.005	<0.005	0.4	<0.005	0.026	<0.002	<0.005	<0.005	<0.005	<0.010	<0.005
	2/12/2013	<0.005	<0.005	0.140	<0.005	<0.005	<0.005	0.8	<0.005	0.252	<0.002	<0.005	<0.005	<0.005	<0.010	<0.005
	6/18/2013	<0.005	<0.005	0.078	<0.005	<0.005	<0.005	1.6	<0.005	0.065	<0.002	<0.005	<0.005	<0.005	<0.010	<0.005
	11/13/2013	<0.005	0.0042	0.0771	0.004	<0.005	<0.005	27.1	<0.005	1.780	0.0115	<0.005	<0.005	<0.005	<0.010	<0.005
	2/27/2014	<0.005	0.0027	0.405	0.0026	<0.005	<0.005	32.1	<0.005	1.490	0.0070	<0.005	<0.005	<0.005	<0.010	<0.005
	6/9/2014	<0.050	< 0.050	0.331	<0.050	<0.050	<0.050	33.8	<0.050	1.410	<0.020	<0.050	<0.050	<0.050	<0.100	<0.050
RW-0204-S2A/ RW-0205-S2A	12/12/2007	< 0.500	< 0.500	0.539	< 0.500	< 0.500	0.564	61.1	< 0.500	0.740	< 0.200	< 0.500	< 0.500	< 0.500	<1.000	< 0.500
	3/4/2008	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	42.5	< 0.500	0.918	< 0.200	< 0.500	< 0.500	< 0.500	<1.000	< 0.500
	6/3/2008	< 0.500	< 0.500	0.120	< 0.500	< 0.500	1.010	40.6	< 0.500	1.350	< 0.200	< 0.500	< 0.500	< 0.500	<1.000	< 0.500
	8/11/2008	< 0.250	0.0154	1.620	0.0091	< 0.250	< 0.250	73.2	< 0.250	4.450	0.0098	< 0.250	0.0138	< 0.250	<0.500	< 0.250
	11/3/2008	< 0.250	< 0.250	< 0.250	< 0.250	< 0.250	< 0.250	98.2	< 0.250	1.600	< 0.100	< 0.250	< 0.250	< 0.250	<0.500	< 0.250
	2/10/2009	< 0.250	< 0.250	0.101	< 0.250	< 0.250	< 0.250	30.4	< 0.250	1.370	< 0.100	< 0.250	< 0.250	< 0.250	<0.500	< 0.250
	6/16/2009	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	73.9	< 0.500	< 0.500	< 0.200	< 0.500	< 0.250	< 0.250	<0.500	< 0.250
	8/11/2009	< 0.250	< 0.250	< 0.250	< 0.250	< 0.250	< 0.250	35.3	< 0.250	1.710	< 0.100	< 0.250	< 0.250	< 0.250	<0.500	< 0.250
	11/16/2009	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	56.1	< 0.500	1.470	< 0.200	< 0.500	< 0.250	< 0.250	<0.500	< 0.250
	6/8/2010	< 0.005	< 0.005	0.145	< 0.005	< 0.005	< 0.005	21.9	< 0.005	0.876	0.0113	< 0.005	<0.005	<0.005	<0.010	<0.005
	1/21/2011	< 0.005	< 0.005	0.282	< 0.005	< 0.005	< 0.005	37.1	< 0.005	2.210	0.0184	< 0.005	<0.005	<0.005	<0.010	<0.005
	9/7/2011	< 0.250	< 0.250	< 0.250	< 0.250	< 0.250	< 0.250	39.8	< 0.250	0.931	< 0.100	< 0.250	< 0.250	< 0.250	<0.500	< 0.250
	5/17/2012	<0.005	<0.005	0.267	<0.005	<0.005	<0.005	14.8	<0.005	0.539	<0.002	<0.005	<0.005	<0.005	<0.010	<0.005
	10/8/2012	<0.005	<0.005	0.013	<0.005	<0.005	<0.005	0.8	<0.005	0.033	<0.002	<0.005	<0.005	<0.005	<0.010	<0.005
	2/12/2013	<0.005	<0.005	0.030	<0.005	<0.005	<0.005	0.6	<0.005	0.050	<0.002	<0.005	<0.005	<0.005	<0.010	<0.005
	6/18/2013	<0.005	<0.005	0.043	<0.005	<0.005	<0.005	2.5	<0.005	0.093	<0.002	<0.005	<0.005	<0.005	<0.010	<0.005
	11/13/2013	<0.005	0.004	0.810	0.004	<0.005	<0.005	30.4	<0.005	1.960	0.0116	<0.005	<0.005	<0.005	<0.010	<0.005
	2/27/2014	<0.005	0.003	0.389	0.003	< 0.250	< 0.250	33.6	<0.005	1.700	0.0081	< 0.250	< 0.250	< 0.250	<0.500	< 0.250
	6/9/2014	<0.005	< 0.250	0.274	< 0.250	< 0.250	< 0.250	35.4	<0.005	1.390	< 0.100	< 0.250	< 0.250	< 0.250	<0.500	< 0.250

ARCADIS

Table 11. Recovery Well VOC Analytical Results, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014 (January 2014 - June 2014), Allison Transmission, Inc., Speedway, Indiana.

		Volatile Organic Compound (VOC) mg/l														
Recovery Well	Sample Date	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Isopropylbenzene	Methylene Chloride	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Vinyl Chloride	Benzene	Toluene	Ethylbenzene	Xylenes (total)	1,2,4-Trichlorobenzene
RW-0605-S3	12/12/2007	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	0.793	87.4	< 0.500	0.473	< 0.200	< 0.500	< 0.500	< 0.500	<1.000	< 0.500
	3/4/2008	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	39.8	< 0.500	0.338	< 0.200	< 0.500	< 0.500	< 0.500	<1.000	< 0.500
	6/3/2008	< 0.500	< 0.500	0.269	< 0.500	< 0.500	0.965	97.8	< 0.500	0.690	< 0.200	< 0.500	< 0.500	< 0.500	<1.000	< 0.500
	8/11/2008	< 0.250	< 0.250	0.0208	< 0.250	< 0.250	< 0.250	75.0	< 0.250	0.285	< 0.100	< 0.250	0.0073	< 0.250	<0.500	0.285
	11/3/2008	< 0.250	< 0.250	0.6960	< 0.250	< 0.250	< 0.250	55.5	< 0.250	0.817	< 0.100	< 0.250	< 0.250	< 0.250	<0.500	< 0.250
	2/10/2009	< 0.250	< 0.250	< 0.250	< 0.250	< 0.250	< 0.250	64.7	< 0.250	0.263	< 0.100	< 0.250	< 0.250	< 0.250	<0.500	< 0.250
	6/16/2009	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	52.2	< 0.500	1.790	< 0.200	< 0.500	< 0.250	< 0.250	<0.500	< 0.250
	8/11/2009	<0.0005	<0.0005	0.0033	<0.0005	<0.0005	<0.0005	27.5	<0.0005	0.142	< 0.0002	<0.0005	< 0.250	< 0.250	<0.500	< 0.250
	11/16/2009	< 0.500	< 0.500	6.980	< 0.500	< 0.500	< 0.500	43.8	< 0.500	12.2	< 0.200	< 0.500	< 0.250	< 0.250	<0.500	< 0.250
	6/8/2010	< 0.005	< 0.005	0.290	< 0.005	< 0.005	< 0.005	21.7	< 0.005	< 0.250	< 0.002	< 0.005	<0.005	<0.005	<0.010	<0.005
	3/18/2011	< 0.050	< 0.050	0.064	< 0.050	< 0.050	< 0.050	8.3	< 0.050	0.306	< 0.020	< 0.050	<0.050	<0.050	<0.100	<0.050
	9/7/2011	< 0.250	< 0.250	0.433	< 0.250	< 0.250	< 0.250	16.5	< 0.250	0.832	< 0.100	< 0.250	< 0.250	< 0.250	<0.500	< 0.250
	5/17/2012	<0.005	<0.005	0.207	<0.005	<0.005	<0.005	7.6	<0.005	0.300	< 0.002	<0.005	<0.005	<0.005	<0.010	<0.005
	10/8/2012	<0.005	<0.005	0.009	<0.005	<0.005	<0.005	0.2	<0.005	0.013	< 0.002	<0.005	<0.005	<0.005	<0.010	<0.005
	2/12/2013	<0.005	<0.005	0.025	<0.005	<0.005	<0.005	0.2	<0.005	0.032	< 0.002	<0.005	<0.005	<0.005	<0.010	<0.005
	6/18/2013	<0.005	<0.005	0.019	<0.005	<0.005	<0.005	0.2	<0.005	0.015	< 0.002	<0.005	<0.005	<0.005	<0.010	<0.005
	11/13/2013	<0.005	<0.005	0.065	<0.005	<0.005	<0.005	1.4	<0.005	74.6	< 0.002	<0.005	<0.005	<0.005	<0.010	<0.005
	2/27/2014	<0.005	<0.005	0.0025	<0.005	<0.005	<0.005	0.183	<0.005	0.0048	< 0.002	<0.005	<0.005	<0.005	<0.010	<0.005
	6/9/2014	<0.005	<0.005	0.0030	<0.005	<0.005	<0.005	1.490	<0.005	0.0145	< 0.002	<0.005	<0.005	<0.005	<0.010	<0.005

NOTES:

1.) Analytical data presented in milligrams per liter (mg/l)

NS - Not Sampled

J - Analyte detected below reporting limit, therefore results is an estimate.

C1 - Result could not be confirmed by second analysis

C9 - Common Laboratory Contaminant.

1d - Evaluated to 179 ug/L per MDL AMV 6-26-09, 11-23-09

1d - Evaluated to 5.2 ug/L per MDL. slb08/18/09

2d - Evaluated to 179 ug/L per MDL AMV 6-27-09

2d - Evaluated to 8.8 ug/L per MDL. slb08/18/09

3d - Evaluated to 30.6 ug/L per MDL AMV 6-26-09

4d - Evaluated to 30.6 ug/L per MDL AMV 6-27-09

D4 - Sample was diluted due to the presence of high levels of target analytes.

Table 12 Mass Removal Summary Sheet for Constituents of Concern from the Plant 12 SVE System, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014 (January 2014 - July 2014), Allison Transmission, Inc., Speedway, Indiana

Discharge Interval	Date & Time System Adjusted or End of Month	Operational Time Since System Adjusted (hours)	Discharge Flow Rate (cfm)	PCE (lb/hr)	PCE Discharged (lbs)	1,1,1-TCA (lb/hr)	1,1,1-TCA Discharged (lbs)	Chloroform (lb/hr)	Chloroform Discharged (lbs)	TCE (lb/hr)	TCE Discharged (lbs)	Cumene (lb/hr)	Cumene Discharged (lbs)	Toluene (lb/hr)	Toluene Discharged (lbs)	Not a Hazardous Air Pollutant cis-1,2-DCE (lb/hr)	cis-1,2-DCE Discharged (lbs)
System Startup	10/30/03 16:00																
10/30/03 to 11/1/03	11/1/03 0:00	32.00	730	7.07	226.3695	0.0002	0.0049	0.0012	0.0379	0.0126	0.4023	NA	NA	NA	NA	0.0042	0.1359
			October Monthly Discharge Total (pounds)		226.3695		0.0049		0.0379		0.4023		0.0000		0.0000		0.1359
11/1/03 to 11/3/03	11/3/03 13:30	61.50	730	7.07	435.0540	0.0002	0.0095	0.0012	0.0728	0.0126	0.7732	NA	NA	NA	NA	0.0042	0.2612
11/3/03 to 11/11/03	11/7/03 9:00	188.75	860	4.50	850.2739	0.0000	0.0000	0.0011	0.1989	0.0095	1.7852	NA	NA	NA	NA	0.0049	0.9194
11/11/03 to 11/20/03	11/11/03 10:15	250.25	815	0.94	236.8567	0.0000	0.0000	0.0001	0.0237	0.0013	0.2294	NA	NA	NA	NA	0.0007	0.1511
11/20/03 to 12/01/03	11/20/03 14:30	249.50	830	0.03	8.1335	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	NA	NA	NA	NA	0.0000	0.0000
			November Monthly Discharge Total (pounds)		1500.3201		0.0095		0.2954		2.8378		0.0000		0.0000		1.3317
12/01/03 to 12/05/03	12/1/03 16:00	208.00	900	0.18	88.2423	0.0000	0.0000	0.0000	0.0000	0.0002	0.0315	NA	NA	NA	NA	0.0000	0.0000
12/5/03 to 01/01/04	12/5/03 16:00	536.00	900	0.52	277.9543	0.0000	0.0000	0.0001	0.0746	0.0017	0.9209	NA	NA	NA	NA	0.0010	0.5096
			December Monthly Discharge Total (pounds)		316.1966		0.0000		0.0746		0.9524		0.0000		0.0000		0.5096
01/01/04 to 01/05/04	1/5/04 16:00	112.00	900	0.52	58.0800	0.0000	0.0000	0.0001	0.0156	0.0017	0.1924	NA	NA	NA	NA	0.0010	0.1065
01/05/04 to 01/20/04	1/20/04 16:00	357.00	830	0.43	155.2100	0.0000	0.0000	0.0001	0.0363	0.0021	0.7378	NA	NA	NA	NA	0.0007	0.2676
01/20/04 to 2/1/04	2/1/04 0:00	275.00	760	1.35	372.2191	0.000	0.000	0.000	0.118	0.000	0.000	NA	NA	NA	NA	0.001	0.384
			January (2004) Monthly Discharge Total (pounds)		585.5091		0.0000		0.1701		0.9303		0.0000		0.0000		0.7580
02/01/04 to 2/2/04	2/2/04 16:00	40.00	760	1.35	54.1410	0.0000	0.0000	0.0004	0.0172	0.0000	0.0000	NA	NA	NA	NA	0.0014	0.0558
02/02/04 to 02/04/04	2/4/04 13:30	47.25	790	1.78	84.0738	0.0000	0.0000	0.0004	0.0197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0039	0.1829
02/04/04 to 3/1/04	2/9/04 16:15	608.75	790	1.86	1133.5796	0.0000	0.0000	0.0003	0.1995	0.0000	0.0000	NA	NA	NA	NA	0.0000	0.0000
			February (2004) Monthly Discharge Total (pounds)		1271.7963		0.0000		0.2364		0.0000		0.0000		0.0000		0.2387
03/01/04 to 3/04/04	3/1/04 0:00	86.00	790	1.86	160.1443	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	NA	0.0000	0.0000	0.0000	0.0000
3/04/04 to 3/18/04	3/4/04 8:00	337.00	800	3.56	1200.3620	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	NA	0.0000	0.0000	0.0000	0.0000
3/18/04 to 4/1/04	3/18/04 15:30	304.00	800	0.65	197.4553	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	NA	0.0000	0.0000	0.0000	0.0000
			March (2004) Monthly Discharge Total (pounds)		1557.9616		0.0000		0.0000		0.0000		0.0000		0.0000		0.0000
4/1/04 to 4/30/04	4/2/04 16:30	317.83	930	2.68	851.5664	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
			April (2004) Monthly Discharge Total (pounds)		851.5664		0.0000		0.0000		0.0000		0.0000		0.0000		0.0000
5/1/04 to 5/4/04	5/1/04 0:00	79.92	930	2.68	214.1196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
5/5/04 to 6/1/04	6/1/04 0:00	384.50	715	1.20	460.8141	0.0000	0.0000	0.0000	0.0000	0.0052	1.9966	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
			May (2004) Monthly Discharge Total (pounds)		674.9338		0.0000		0.0000		1.9966		0.0000		0.0000		0.0000
6/1/04 to 7/1/04	6/3/04 12:15	638.00	720	2.26	1443.7030	0.0000	0.0000	0.0000	0.0000	0.0078	4.9566	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
			June (2004) Monthly Discharge Total (pounds)		1443.7030		0.0000		0.0000		4.9566		0.0000		0.0000		0.0000
7/1/04 to 8/1/04	7/7/04 12:20	464.75	795	1.33	619.3130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
			July (2004) Monthly Discharge Total (pounds)		619.3130		0.0000		0.0000		0.0000		0.0000		0.0000		0.0000
8/1/04 to 8/3/04	8/3/04 16:15	64.25	795	1.33	85.6134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
8/3/04 to 9/1/04	9/1/04 0:00	655.00	875	2.15	1419.5960	0.0000	0.0000	0.0000	0.0000	0.0071	4.6664	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
			August (2004) Monthly Discharge Total (pounds)		1505.2133		0.0000		0.0000		4.6664		0.0000		0.0000		0.0000
9/1/04 to 9/7/04	9/7/04 11:00	150.00	875	2.15	323.1250	0.0000	0.0000	0.0000	0.0000	0.0071	1.0622	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
9/7/04 to 10/1/04	10/1/04 0:00	506.25	780	1.14	579.1501	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
			September (2004) Monthly Discharge Total (pounds)		902.2751		0.0000		0.0000		1.0622		0.0000		0.0000		0.0000
10/1/04 to 10/4/04	10/4/04 15:00	87.25	780	1.14	100.3860	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
10/4/04 to 10/18/04	10/18/04 15:30	336.50	825	0.99	334.4570	0.0000	0.0000	0.0000	0.0000	0.0048	1.6129	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
10/18/04 to 11/1/04	11/1/04 0:00	239.92	880	1.84	442.3607	0.0000	0.0000	0.0000	0.0000	0.0048	1.1500	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
			October (2004) Monthly Discharge Total (pounds)		877.2037		0.0000		0.0000		2.7629		0.0000		0.0000		0.0000
11/1/04 to 11/2/04	11/2/04 12:00	35.58	880	1.84	65.6089	0.0000	0.0000	0.0000	0.0000	0.0048	0.1706	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
11/2/04 to 11/30/04	12/1/04 0:00	681.50	880	2.12	1445.0398	0.0000	0.0000	0.0000	0.0000	0.0093	6.3466	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
			November (2004) Monthly Discharge Total (pounds)		1510.6487		0.0000		0.0000		6.5172		0.0000		0.0000		0.0000

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Discharge Interval	Date & Time System Adjusted or End of Month	Operational Time Since System Adjusted (hours)	Discharge Flow Rate (cfm)	PCE (lb/hr)	PCE Discharged (lbs)	1,1,1-TCA (lb/hr)	1,1,1-TCA Discharged (lbs)	Chloroform (lb/hr)	Chloroform Discharged (lbs)	TCE (lb/hr)	TCE Discharged (lbs)	Cumene (lb/hr)	Cumene Discharged (lbs)	Toluene (lb/hr)	Toluene Discharged (lbs)	Not a Hazardous Air Pollutant cis-1,2-DCE (lb/hr)	cis-1,2-DCE Discharged (lbs)
12/1/04 to 12/10/04	12/10/04 17:45	17.50	880	2.12	37.1067	0.0000	0.0000	0.0000	0.0000	0.0093	0.1630	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/1/04 to 12/10/04	12/10/04 14:50	212.00	855	1.32	280.0899	0.0000	0.0000	0.0000	0.0000	0.0053	1.1284	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/10/04 to 1/1/05	1/1/05 0:00	513.17	835	0.74	381.5639	0.0000	0.0000	0.0000	0.0000	0.0029	1.5115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
December (2004) Monthly Discharge Total (pounds)					**698.7605**		**0.0000**		**0.0000**		**2.8029**		**0.0000**		**0.0000**		**0.0000**
1/1/05 to 1/3/05	1/3/05 14:00	62.00	835	0.74	46.1000	0.0000	0.0000	0.0000	0.0000	0.0029	0.1826	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
1/3/05 to 2/1/05	2/1/05 0:00	552.83	880	1.52	840.9286	0.0000	0.0000	0.0000	0.0000	0.0053	2.9275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
January (2005) Monthly Discharge Total (pounds)					**887.0385**		**0.0000**		**0.0000**		**3.1101**		**0.0000**		**0.0000**		**0.0000**
2/1/05 to 2/1/05	2/1/05 10:00	10.00	880	1.52	15.2114	0.0000	0.0000	0.0000	0.0000	0.0053	0.0530	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2/13/05 to 3/1/05	3/1/05 0:00	654.00	925	1.79	1172.4508	0.0000	0.0000	0.0000	0.0000	0.0069	4.5190	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
February (2005) Monthly Discharge Total (pounds)					**1187.6623**		**0.0000**		**0.0000**		**4.5720**		**0.0000**		**0.0000**		**0.0000**
3/1/05 to 3/1/05	3/1/05 16:00	16.00	925	1.79	28.6838	0.0000	0.0000	0.0000	0.0000	0.0069	0.1106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
3/1/05 to 4/1/05	4/1/05 0:00	727.50	970	1.55	1127.7999	0.0000	0.0000	0.0000	0.0000	0.0044	3.2214	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
March (2005) Monthly Discharge Total (pounds)					**1156.0838**		**0.0000**		**0.0000**		**3.3320**		**0.0000**		**0.0000**		**0.0000**
4/1/05 to 4/5/05	4/1/05 0:00	112.50	970	1.55	174.3802	0.0000	0.0000	0.0000	0.0000	0.0044	0.4982	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
4/5/05 to 5/1/05	5/1/05 0:00	608.00	940	0.84	508.9250	0.0000	0.0000	0.0000	0.0000	0.0031	1.8975	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
April (2005) Monthly Discharge Total (pounds)					**683.2652**		**0.0000**		**0.0000**		**2.3956**		**0.0000**		**0.0000**		**0.0000**
5/1/05 to 5/4/05	5/4/05 14:00	694.00	940	0.84	580.9111	0.0000	0.0000	0.0000	0.0000	0.0031	2.1659	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
5/4/05 to 5/24/05	5/24/05 16:20	482.00	950	0.72	347.7860	0.0000	0.0000	0.0000	0.0000	0.0030	1.4252	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
5/24/05 to 6/1/05	6/1/05 0:00	175.00	930	0.68	119.2500	0.0000	0.0000	0.0000	0.0000	0.0042	0.7430	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
May (2005) Monthly Discharge Total (pounds)					**1048.0471**		**0.0000**		**0.0000**		**4.3341**		**0.0000**		**0.0000**		**0.0000**
6/1/05 to 6/8/05	6/8/05 7:00	175.00	930	0.68	119.3500	0.0000	0.0000	0.0000	0.0000	0.0042	0.7430	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/8/05 to 7/1/05	7/1/05 0:00	545.00	960	0.58	315.1658	0.0000	0.0000	0.0000	0.0000	0.0024	1.3028	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
June (2005) Monthly Discharge Total (pounds)					**434.5158**		**0.0000**		**0.0000**		**2.0457**		**0.0000**		**0.0000**		**0.0000**
7/1/05 to 7/7/05	7/7/05 12:00	132.00	960	0.58	76.3337	0.0000	0.0000	0.0000	0.0000	0.0024	0.3155	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
7/7/05 to 7/11/05	7/11/05 14:45	99.00	975	0.59	58.1448	0.0000	0.0000	0.0000**	0.0000**	0.0032	0.3205	0.0000**	0.0000**	0.0000**	0.0000**	0.0012	0.1226
7/11/05 to 8/1/05	8/1/05 0:00	501.00	935	0.61	306.7134	0.0000	0.0000	0.0000	0.0000	0.0029	1.4580	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
July (2005) Monthly Discharge Total (pounds)					**441.1920**		**0.0000**		**0.0000**		**2.0940**		**0.0000**		**0.0000**		**0.1226**
8/1/05 to 8/2/05	8/2/05 11:30	24.00	935	0.61	14.6929	0.0000	0.0000	0.0000	0.0000	0.0029	0.0698	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
8/2/05 to 9/1/05	9/1/05 0:00	457.00	985	0.59	271.1588	0.0000	0.0000	0.0000	0.0000	0.0033	1.4945	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
August (2005) Monthly Discharge Total (pounds)					**285.8517**		**0.0000**		**0.0000**		**1.5643**		**0.0000**		**0.0000**		**0.0000**
9/1/05 to 9/8/05	9/8/05 11:15	166.00	985	0.59	98.4953	0.0000	0.0000	0.0000	0.0000	0.0033	0.5429	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
9/8/05 to 10/1/05	10/1/05 0:00	527.00	985	0.70	367.0744	0.0000	0.0000	0.0000	0.0000	0.0035	1.8311	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
September (2005) Monthly Discharge Total (pounds)					**465.5697**		**0.0000**		**0.0000**		**2.3740**		**0.0000**		**0.0000**		**0.0000**
10/1/05 to 10/5/05	10/5/05 13:00	124.00	985	0.70	86.3704	0.0000	0.0000	0.0000	0.0000	0.0035	0.4309	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
10/5/05 to 10/7/05 ***	10/7/05 9:28	44.00	995	0.42	18.3459	0.0000	0.0000	0.0000	0.0000	0.0019	0.0845	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
October (2005) Monthly Discharge Total (pounds)					**104.7163**		**0.0000**		**0.0000**		**0.5153**		**0.0000**		**0.0000**		**0.0000**
11/3/05 to 11/4/05	11/4/05 16:00	30.00	995	0.42	12.5086	0.0000	0.0000	0.0000	0.0000	0.0019	0.0576	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
11/4/05 to 12/1/05	12/1/05 0:00	733.00	995	0.81	592.8225	0.0000	0.0000	0.0000	0.0000	0.0038	2.7887	0.0000	0.0000	0.0000	0.0000	0.0015	1.0828
November (2005) Monthly Discharge Total (pounds)					**605.3311**		**0.0000**		**0.0000**		**2.8463**		**0.0000**		**0.0000**		**1.0828**
12/1/05 to 12/13/05	12/13/05 13:40	197.00	995	0.81	159.3261	0.0000	0.0000	0.0000	0.0000	0.0038	0.7495	0.0000	0.0000	0.0000	0.0000	0.0015	0.2910
12/13/05 to 1/1/06	1/1/06 0:00	442.00	965	0.30	134.0523	0.0000	0.0000	0.0000	0.0000	0.0018	0.8054	0.0000	0.0000	0.0000	0.0000	0.0008	0.3395
December (2005) Monthly Discharge Total (pounds)					**293.3784**		**0.0000**		**0.0000**		**1.5549**		**0.0000**		**0.0000**		**0.6306**
1/1/06 to 1/12/06	1/12/06 13:30	277.00	965	0.30	84.0102	0.0000	0.0000	0.0000	0.0000	0.0018	0.5047	0.0000	0.0000	0.0000	0.0000	0.0008	0.2128
1/12/06 to 2/1/06	2/1/06 0:00	417.00	975	0.33	138.4291	0.0000	0.0000	0.0000	0.0000	0.0020	0.8183	0.0000	0.0000	0.0000	0.0000	0.0010	0.4232
January (2006) Monthly Discharge Total (pounds)					**222.4393**		**0.0000**		**0.0000**		**1.3231**		**0.0000**		**0.0000**		**0.6360**
2/1/06 to 2/8/06	2/8/06 9:00	177.00	975	0.33	58.7577	0.0000	0.0000	0.0000	0.0000	0.0020	0.3474	0.0000	0.0000	0.0000	0.0000	0.0010	0.1796
2/8/06 to 3/1/06	3/1/06 0:00	519.00	980	0.33	173.1730	0.0000	0.0000	0.0000	0.0000	0.0020	1.0343	0.0000	0.0000	0.0000	0.0000	0.0008	0.3893
February (2006) Monthly Discharge Total (pounds)					**231.9307**		**0.0000**		**0.0000**		**1.3816**		**0.0000**		**0.0000**		**0.5690**

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Discharge Interval	Date & Time System Adjusted or End of Month	Operational Time Since System Adjusted (hours)	Discharge Flow Rate (cfm)	PCE (lb/hr)	PCE Discharged (lbs)	1,1,1-TCA (lb/hr)	1,1,1-TCA Discharged (lbs)	Chloroform (lb/hr)	Chloroform Discharged (lbs)	TCE (lb/hr)	TCE Discharged (lbs)	Cumene (lb/hr)	Cumene Discharged (lbs)	Toluene (lb/hr)	Toluene Discharged (lbs)	Not a Hazardous Air Pollutant cis-1,2-DCE (lb/hr)	cis-1,2-DCE Discharged (lbs)
3/1/06 to 3/2/06	3/2/06 18:05	16.00	980	0.33	5.3387	0.0000	0.0000	0.0000	0.0000	0.0020	0.0319	0.0000	0.0000	0.0000	0.0000	0.0008	0.0120
3/2/06 to 4/1/06	4/1/06 0:00	622.00	850	0.24	152.3160	0.0000	0.0000	0.0000	0.0000	0.0015	0.9215	0.0000	0.0000	0.0000	0.0000	0.0007	0.4209
March (2006) Monthly Discharge Total (pounds)					**157.6546**		**0.0000**		**0.0000**		**0.9534**		**0.0000**		**0.0000**		**0.4329**
4/1/06 to 4/6/06	4/6/06 13:10	134.00	850	0.24	32.8141	0.0000	0.0000	0.0000	0.0000	0.0015	0.1985	0.0000	0.0000	0.0000	0.0000	0.0007	0.0907
4/6/06 to 5/1/06	5/1/06 0:00	587.00	840	0.26	154.9680	0.0000	0.0000	0.0000	0.0000	0.0017	0.9822	0.0000	0.0000	0.0000	0.0000	0.0010	0.5661
April (2006) Monthly Discharge Total (pounds)					**187.7821**		**0.0000**		**0.0000**		**1.1808**		**0.0000**		**0.0000**		**0.6568**
5/1/06 to 5/10/06	5/10/06 13:50	210.00	840	0.26	55.4400	0.0000	0.0000	0.0000	0.0000	0.0017	0.3514	0.0000	0.0000	0.0000	0.0000	0.0010	0.2025
5/10/06 to 6/1/06	6/1/06 0:00	490.00	810	0.28	135.1359	0.0000	0.0000	0.0000	0.0000	0.0016	0.7906	0.0000	0.0000	0.0000	0.0000	0.0007	0.3281
May (2006) Monthly Discharge Total (pounds)					**190.5759**		**0.0000**		**0.0000**		**1.1420**		**0.0000**		**0.0000**		**0.5306**
6/1/06 to 6/13/06	6/13/06 9:20	340.00	810	0.28	93.7672	0.0000	0.0000	0.0000	0.0000	0.0016	0.5486	0.0000	0.0000	0.0000	0.0000	0.0007	0.2277
6/13/06 to 7/1/06	7/1/06 0:00	365.00	850	0.24	89.3816	0.0000	0.0000	0.0000	0.0000	0.0014	0.5150	0.0000	0.0000	0.0000	0.0000	0.0007	0.2375
June (2006) Monthly Discharge Total (pounds)					**183.1487**		**0.0000**		**0.0000**		**1.0636**		**0.0000**		**0.0000**		**0.4651**
7/1/06 to 7/13/06	7/13/06 15:10	360.00	850	0.24	88.1572	0.0000	0.0000	0.0000	0.0000	0.0014	0.5080	0.0000	0.0000	0.0000	0.0000	0.0007	0.2342
7/13/06 to 8/1/06	8/1/06 0:00	528.00	860	0.23	73.8781	0.0000	0.0000	0.0000	0.0000	0.0017	0.5444	0.0000	0.0000	0.0000	0.0000	0.0008	0.2634
July (2006) Monthly Discharge Total (pounds)					**162.0353**		**0.0000**		**0.0000**		**1.0523**		**0.0000**		**0.0000**		**0.4976**
8/1/06 to 8/2/06	8/2/06 15:15	24.00	860	0.23	5.4057	0.0000	0.0000	0.0000	0.0000	0.0017	0.0398	0.0000	0.0000	0.0000	0.0000	0.0008	0.0193
8/2/06 to 9/1/06	9/1/06 0:00	704.00	1030	0.35	246.8861	0.0000	0.0000	0.0000	0.0000	0.0020	1.4144	0.0000	0.0000	0.0000	0.0000	0.0009	0.6438
August (2006) Monthly Discharge Total (pounds)					**252.2918**		**0.0000**		**0.0000**		**1.4542**		**0.0000**		**0.0000**		**0.6631**
9/1/06 to 9/7/06	9/7/06 14:20	158.00	1030	0.35	55.4691	0.0000	0.0000	0.0000	0.0000	0.0020	0.3174	0.0000	0.0000	0.0000	0.0000	0.0009	0.1445
9/7/06 to 10/1/06	10/1/06 0:00	562.00	850	0.22	125.1119	0.0000	0.0000	0.0000	0.0000	0.0015	0.8624	0.0000	0.0000	0.0000	0.0000	0.0008	0.4534
September (2006) Monthly Discharge Total (pounds)					**180.5810**		**0.0000**		**0.0000**		**1.1798**		**0.0000**		**0.0000**		**0.5979**
10/1/06 to 10/10/06	10/10/06 10:00	226.00	850	0.22	50.3119	0.0000	0.0000	0.0000	0.0000	0.0015	0.3468	0.0000	0.0000	0.0000	0.0000	0.0008	0.1823
10/10/06 to 11/1/06	11/1/06 0:00	538.00	760	0.14	70.1125	0.0000	0.0000	0.0000	0.0000	0.0011	0.2882	0.0000	0.0000	0.0000	0.0000	0.0006	0.1013
October (2006) Monthly Discharge Total (pounds)					**120.4245**		**0.0000**		**0.0000**		**0.6350**		**0.0000**		**0.0000**		**0.2837**
11/1/06 to 11/15/06	11/15/06 14:50	326.00	760	0.14	44.1249	0.0000	0.0000	0.0000	0.0000	0.0011	0.3702	0.0000	0.0000	0.0000	0.0000	0.0006	0.1896
11/15/06 to 12/1/06	12/1/06 0:00	348.00	1010	0.23	81.0078	0.0000	0.0000	0.0000	0.0000	0.0014	0.5032	0.0000	0.0000	0.0000	0.0000	0.0008	0.2690
November (2006) Monthly Discharge Total (pounds)					**125.1327**		**0.0000**		**0.0000**		**0.8734**		**0.0000**		**0.0000**		**0.4587**
12/1/06 to 12/5/06	12/5/06 9:15	121.00	1010	0.23	28.1665	0.0000	0.0000	0.0000	0.0000	0.0014	0.1750	0.0000	0.0000	0.0000	0.0000	0.0008	0.0935
12/5/06 to 1/1/07	1/1/07 0:00	601.47	910	0.15	93.1772	0.0000	0.0000	0.0000	0.0000	0.0011	0.6814	0.0000	0.0000	0.0000	0.0000	0.0006	0.3519
December (2006) Monthly Discharge Total (pounds)					**121.3437**		**0.0000**		**0.0000**		**0.8564**		**0.0000**		**0.0000**		**0.4455**
1/1/07 to 1/11/07	1/11/06 14:45	286.53	910	0.15	44.1888	0.0000	0.0000	0.0000	0.0000	0.0011	0.3246	0.0000	0.0000	0.0000	0.0000	0.0006	0.1676
1/11/07 to 2/1/07	2/1/07 0:00	477.00	990	0.18	87.8123	0.0000	0.0000	0.0000	0.0000	0.0015	0.7055	0.0000	0.0000	0.0000	0.0000	0.0008	0.3904
January (2007) Monthly Discharge Total (pounds)					**132.2011**		**0.0000**		**0.0000**		**1.0302**		**0.0000**		**0.0000**		**0.5580**
2/1/07 to 2/7/07	2/7/06 11:40	156.00	990	0.18	25.0366	0.0000	0.0000	0.0000	0.0000	0.0015	0.2012	0.0000	0.0000	0.0000	0.0000	0.0008	0.1113
2/7/07 to 3/1/07	3/1/07 0:00	508.00	1000	0.17	87.8134	0.0000	0.0000	0.0000	0.0000	0.0014	0.7063	0.0000	0.0000	0.0000	0.0000	0.0006	0.3111
February (2007) Monthly Discharge Total (pounds)					**112.8481**		**0.0000**		**0.0000**		**0.9074**		**0.0000**		**0.0000**		**0.4224**
3/1/07 to 3/7/07	3/7/06 16:10	168.00	1000	0.17	29.0400	0.0000	0.0000	0.0000	0.0000	0.0014	0.2336	0.0000	0.0000	0.0000	0.0000	0.0006	0.1029
3/7/07 to 4/1/07	4/1/07 0:00	567.00	990	0.13	73.5075	0.0000	0.0000	0.0000	0.0000	0.0009	0.5358	0.0000	0.0000	0.0000	0.0000	0.0007	0.4125
March (2007) Monthly Discharge Total (pounds)					**102.5475**		**0.0000**		**0.0000**		**0.7694**		**0.0000**		**0.0000**		**0.5153**
4/1/07 to 4/5/07	4/5/06 13:20	116.00	990	0.13	15.0386	0.0000	0.0000	0.0000	0.0000	0.0009	0.1096	0.0000	0.0000	0.0000	0.0000	0.0007	0.0844
4/5/07 to 5/1/07	5/1/07 0:00	605.00	980	0.14	83.8530	0.0000	0.0000	0.0000	0.0000	0.0012	0.7505	0.0000	0.0000	0.0000	0.0000	0.0007	0.4175
April (2007) Monthly Discharge Total (pounds)					**98.8916**		**0.0000**		**0.0000**		**0.8601**		**0.0000**		**0.0000**		**0.5019**
5/1/07 to 5/14/07	5/14/07 11:49	339.00	980	0.14	46.9854	0.0000	0.0000	0.0000	0.0000	0.0012	0.4205	0.0000	0.0000	0.0000	0.0000	0.0007	0.2339
5/14/07 to 5/31/07	6/1/07 0:00	405.00	955	0.14	56.7270	0.0000	0.0000	0.0000	0.0000	0.0047	1.8982	0.0000	0.0000	0.0000	0.0000	0.0031	1.2707
May (2007) Monthly Discharge Total (pounds)					**103.7124**		**0.0000**		**0.0000**		**2.3187**		**0.0000**		**0.0000**		**1.5047**
6/1/07 to 6/5/07	6/5/07 13:30	403.00	935	0.14	56.7270	0.0000	0.0000	0.0000	0.0000	0.0047	1.8982	0.0000	0.0000	0.0000	0.0000	0.0031	1.2707
6/5/07 to 6/30/07	7/1/07 0:00	600.00	935	0.15	89.6264	0.0000	0.0000	0.0000	0.0000	0.0014	0.8391	0.0000	0.0000	0.0000	0.0000	0.0009	0.5496
June (2007) Monthly Discharge Total (pounds)					**146.3534**		**0.0000**		**0.0000**		**2.7364**		**0.0000**		**0.0000**		**1.8204**

Table 12 Mass Removal Summary Sheet for Constituents of Concern from the Plant 12 SVE System, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014 (January 2014 - July 2014), Allison Transmission, Inc., Speedway, Indiana

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Discharge Interval	Date & Time System Adjusted or End of Month	Operational Time Since System Adjusted (hours)	Discharge Flow Rate (cfm)	PCE (lb/hr)	PCE Discharged (lbs)	1,1,1-TCA (lb/hr)	1,1,1-TCA Discharged (lbs)	Chloroform (lb/hr)	Chloroform Discharged (lbs)	TCE (lb/hr)	TCE Discharged (lbs)	Cumene (lb/hr)	Cumene Discharged (lbs)	Toluene (lb/hr)	Toluene Discharged (lbs)	cis-1,2-DCE (lb/hr)	cis-1,2-DCE Discharged (lbs)
7/1/07 to 7/12/07	7/12/07 15:30	214.00	935	0.15	31.9668	0.0000	0.0000	0.0000	0.0000	0.0014	0.2989	0.0000	0.0000	0.0000	0.0000	0.0009	0.1960
7/12/07 to 7/31/07*****	8/1/07 0:00	221.00	800	0.18	39.8221	0.0000	0.0000	0.0000	0.0000	0.0027	0.5870	0.0000	0.0000	0.0000	0.0000	0.0010	0.2138
			July (2007) Monthly Discharge Total (pounds)		71.7889		0.0000		0.0000		0.8859		0.0000		0.0000		0.4099
8/1/07 to 8/8/07*****	8/8/07 10:10	95.00	800	0.18	17.1181	0.0000	0.0000	0.0000	0.0000	0.0027	0.2523	0.0000	0.0000	0.0000	0.0000	0.0010	0.0919
8/8/07 to 8/31/07	9/1/07 0:00	438.00	800	0.34	146.8343	0.0000	0.0000	0.0000	0.0000	0.0037	1.5996	0.0000	0.0000	0.0000	0.0000	0.0010	0.4399
			August (2007) Monthly Discharge Total (pounds)		163.9524		0.0000		0.0000		1.8519		0.0000		0.0000		0.5318
9/1/07 to 9/17/07	9/17/07 12:15	225.00	800	0.34	75.4286	0.0000	0.0000	0.0000	0.0000	0.0037	0.8217	0.0000	0.0000	0.0000	0.0000	0.0010	0.2260
9/17/07 to 9/30/07	9/30/07 0:00	252.00	935	0.27	67.8810	0.0000	0.0000	0.0000	0.0000	0.0025	0.6356	0.0000	0.0000	0.0000	0.0000	0.0008	0.1912
			September (2007) Monthly Discharge Total (pounds)		143.3096		0.0000		0.0000		1.4573		0.0000		0.0000		0.4171
10/1/07 to 10/03/07	10/3/07 10:45	68.00	935	0.27	18.3171	0.0000	0.0000	0.0000	0.0000	0.0086	0.5847	0.0000	0.0000	0.0000	0.0000	0.0008	0.0516
10/03/07 to 10/31/07	10/1/07 0:00	657.00	860	0.22	146.5016	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.3979
			October (2007) Monthly Discharge Total (pounds)		164.8187		0.0000		0.0000		0.5847		0.0000		0.0000		0.4495
11/1/07 to 11/06/07	11/6/07 10:30	143.00	860	0.22	31.8870	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.0866
11/06/07 to 11/30/07	11/30/07 0:00	574.50	950	0.15	85.7647	0.0000	0.0000	0.0000	0.0000	0.0012	0.6795	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
			November (2007) SVE Monthly Discharge Total (pounds)		117.6516		0.0000		0.0000		0.6795		0.0000		0.0000		0.0866
12/1/07 to 12/13/07	12/13/07 16:45	202.50	950	0.15	30.2304	0.0000	0.0000	0.0000	0.0000	0.0012	0.2395	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/13/07 to 12/31/07	12/31/07 0:00	372.00	950	0.25	92.5572	0.0000	0.0000	0.0000	0.0000	0.0017	0.6306	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
			December (2007) SVE Monthly Discharge Total (pounds)		122.7875		0.0000		0.0000		0.8702		0.0000		0.0000		0.0000
01/1/08 to 01/08/08	1/8/08 11:00	187.00	950	0.25	46.5274	0.0000	0.0000	0.0000	0.0000	0.0017	0.3170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
01/08/08 to 01/31/08	1/31/08 0:00	554.00	865	0.14	80.3247	0.0000	0.0000	0.0000	0.0000	0.0011	0.6364	0.0000	0.0000	0.0000	0.0000	0.0003	0.1907
			January (2008) SVE Monthly Discharge Total (pounds)		126.8521		0.0000		0.0000		0.9534		0.0000		0.0000		0.1907
02/1/08 to 02/12/08	2/12/08 12:15	287	865	0.14	41.6123	0.0000	0.0000	0.0000	0.0000	0.0011	0.3297	0.0000	0.0000	0.0000	0.0000	0.0003	0.0988
02/12/08 to 02/29/2008	2/29/08 0:00	351	867	0.12	40.8481	0.0000	0.0000	0.0000	0.0000	0.0009	0.3094	0.0000	0.0000	0.0000	0.0000	0.0003	0.1071
			February (2008) SVE Monthly Discharge Total (pounds)		82.2603		0.0000		0.0000		0.6391		0.0000		0.0000		0.2060
03/1/08 to 03/04/08	3/4/08 10:30	97	867	0.12	11.2332	0.0000	0.0000	0.0000	0.0000	0.0009	0.0855	0.0000	0.0000	0.0000	0.0000	0.0003	0.0296
03/04/08 to 03/31/2008	3/31/08 0:00	674	915	0.02	15.6674	0.0000	0.0000	0.0000	0.0000	0.0004	0.2559	0.0000	0.0000	0.0002	0.1077	0.0001	0.0500
			March (2008) SVE Monthly Discharge Total (pounds)		26.9006		0.0000		0.0000		0.3414		0.0000		0.1077		0.0796
04/1/00 to 04/03/00	4/3/00 10:30	34	915	0.02	0.7803	0.0000	0.0000	0.0000	0.0000	0.0004	0.0129	0.0000	0.0000	0.0002	0.0054	0.0001	0.0025
04/03/08 to 04/30/2008	4/30/08 0:00	626	975	0.10	62.3429	0.0000	0.0000	0.0000	0.0000	0.0008	0.5066	0.0000	0.0000	0.0000	0.0000	0.0005	0.2896
			April (2008) SVE Monthly Discharge Total (pounds)		63.1332		0.0000		0.0000		0.5195		0.0000		0.0054		0.2922
05/1/08 to 05/15/08	5/15/08 13:45	375	975	0.10	37.3460	0.0000	0.0000	0.0000	0.0000	0.0008	0.3035	0.0000	0.0000	0.0000	0.0000	0.0005	0.1735
05/15/08 to 05/31/2008	5/31/08 0:00	305	868	0.10	29.7976	0.0000	0.0000	0.0000	0.0000	0.0008	0.2471	0.0000	0.0000	0.0000	0.0000	0.0004	0.1215
			May (2008) SVE Monthly Discharge Total (pounds)		67.1436		0.0000		0.0000		0.5505		0.0000		0.0000		0.2950
06/1/08 to 06/3/08	6/3/08 12:10	150	868	0.10	14.8646	0.0000	0.0000	0.0000	0.0000	0.0008	0.1215	0.0000	0.0000	0.0000	0.0000	0.0004	0.2191
06/3/08 to 06/30/2008	6/30/08 0:00	591	918	0.11	63.9141	0.0000	0.0000	0.0000	0.0000	0.0009	0.5064	0.0000	0.0000	0.0000	0.0000	0.0004	0.0818
			June (2008) SVE Monthly Discharge Total (pounds)		78.5887		0.0000		0.0000		0.6279		0.0000		0.0000		0.3009
07/1/08 to 07/23/08	7/23/08 13:45	600	918	0.11	64.8874	0.0000	0.0000	0.0000	0.0000	0.0009	0.5141	0.0000	0.0000	0.0000	0.0000	0.0004	0.0598
07/23/08 to 07/31/08	7/31/08 0:00	188	790	0.08	14.7727	0.0000	0.0000	0.0000	0.0000	0.0008	0.1417	0.0000	0.0000	0.0000	0.0000	0.0004	0.2138
			July (2008) SVE Monthly Discharge Total (pounds)		79.6601		0.0000		0.0000		0.6558		0.0000		0.0000		0.3009
08/1/08 to 08/12/08	8/12/08 11:00	278	790	0.08	21.8447	0.0000	0.0000	0.0000	0.0000	0.0008	0.2095	0.0000	0.0000	0.0000	0.0000	0.0004	0.1210
08/12/08 to 08/31/08	8/31/08 0:00	457	867	0.08	37.3384	0.0000	0.0000	0.0000	0.0000	0.0008	0.3780	0.0000	0.0000	0.0000	0.0000	0.0004	0.2001
			August (2008) SVE Monthly Discharge Total (pounds)		59.1831		0.0000		0.0000		0.5875		0.0000		0.0000		0.3210
09/1/08 to 09/11/08	9/11/08 17:30	262	867	0.08	21.4063	0.0000	0.0000	0.0000	0.0000	0.0008	0.2167	0.0000	0.0000	0.0000	0.0000	0.0004	0.1147
09/11/08 to 09/30/08	9/30/08 0:00	435	855	0.08	32.3626	0.0000	0.0000	0.0000	0.0000	0.0007	0.3167	0.0000	0.0000	0.0000	0.0000	0.0004	0.1669
			September (2008) SVE Monthly Discharge Total (pounds)		53.7689		0.0000		0.0000		0.5334		0.0000		0.0000		0.2816
10/1/08 to 10/1/08	10/1/08 14:30	21	855	0.08	1.5991	0.0000	0.0000	0.0000	0.0000	0.0007	0.0157	0.0000	0.0000	0.0000	0.0000	0.0004	0.0082
10/1/08 to 10/31/08	10/31/08 0:00	729	862	0.09	69.1021	0.0000	0.0000	0.0000	0.0000	0.0008	0.5996	0.0000	0.0000	0.0000	0.0000	0.0000	0.0308
			October (2008) SVE Monthly Discharge Total (pounds)		70.7012		0.0000		0.0000		0.6153		0.0000		0.0000		0.0390

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Discharge Interval	Date & Time System Adjusted or End of Month	Operational Time Since System Adjusted (hours)	Discharge Flow Rate (cfm)	PCE (lb/hr)	PCE Discharged (lbs)	1,1,1-TCA (lb/hr)	1,1,1-TCA Discharged (lbs)	Chloroform (lb/hr)	Chloroform Discharged (lbs)	TCE (lb/hr)	TCE Discharged (lbs)	Cumene (lb/hr)	Cumene Discharged (lbs)	Toluene (lb/hr)	Toluene Discharged (lbs)	cis-1,2-DCE (lb/hr)	cis-1,2-DCE Discharged (lbs)
11/1/08 to 11/13/08	11/13/08 11:30	302	862	0.09	28.6267	0.0000	0.0000	0.0000	0.0000	0.0008	0.2484	0.0000	0.0000	0.0000	0.0000	0.0000	0.0127
11/13/08 to 11/30/08	11/30/08 0:00	433	857	0.06	27.2005	0.0000	0.0000	0.0000	0.0000	0.0014	0.6234	0.0000	0.0000	0.0002	0.0972	0.0002	0.0795
November (2008) SVE Monthly Discharge Total (pounds)					**55.8272**		**0.0000**		**0.0000**		**0.8718**		**0.0000**		**0.0972**		**0.0922**
12/1/08 to 12/31/08	12/1/08 14:00	19	857	0.06	1.1307	0.0000	0.0000	0.0000	0.0000	0.0014	0.0259	0.0000	0.0000	0.0002	0.0040	0.0002	0.0033
12/1/08 to 12/31/08	12/31/08 0:00	712	871	0.08	58.4519	0.0000	0.0000	0.0000	0.0000	0.0009	0.6689	0.0000	0.0000	0.0000	0.0000	0.0004	0.2657
December (2008) SVE Monthly Discharge Total (pounds)					**59.5826**		**0.0000**		**0.0000**		**0.6948**		**0.0000**		**0.0040**		**0.2690**
1/1/09 to 1/20/09	1/20/09 14:15	471	871	0.08	38.6530	0.0000	0.0000	0.0000	0.0000	0.0009	0.4423	0.0000	0.0000	0.0000	0.0000	0.0004	0.1757
1/20/09 to 1/31/09	1/31/09 0:00	234	912	0.05	11.7565	0.0000	0.0000	0.0000	0.0000	0.0012	0.2470	0.0000	0.0000	0.0000	0.0000	0.0000	0.0096
January (2009) SVE Monthly Discharge Total (pounds)					**50.4096**		**0.0000**		**0.0000**		**0.6894**		**0.0000**		**0.0000**		**0.1853**
2/1/09 to 2/10/09	2/10/09 11:15	287	912	0.05	15.7670	0.0000	0.0000	0.0000	0.0000	0.0012	0.3313	0.0000	0.0000	0.0000	0.0000	0.0000	0.0128
2/10/09 to 2/28/09	2/28/09 0:00	439	893	0.06	24.0831	0.0000	0.0000	0.0000	0.0000	0.0009	0.4055	0.0000	0.0000	0.0000	0.0000	0.0004	0.1584
February (2009) SVE Monthly Discharge Total (pounds)					**39.8500**		**0.0000**		**0.0000**		**0.7368**		**0.0000**		**0.0000**		**0.1712**
3/1/09 to 3/17/09	3/17/09 9:30	416	893	0.06	23.3533	0.0000	0.0000	0.0000	0.0000	0.0009	0.3932	0.0000	0.0000	0.0000	0.0000	0.0004	0.1536
3/17/09 to 3/31/09	3/31/09 0:00	332	912	0.05	16.6553	0.0000	0.0000	0.0000	0.0000	0.0006	0.2136	0.0000	0.0000	0.0000	0.0000	0.0003	0.0927
March (2009) SVE Monthly Discharge Total (pounds)					**40.0086**		**0.0000**		**0.0000**		**0.6068**		**0.0000**		**0.0000**		**0.2463**
4/1/09 to 4/9/09	4/9/09 11:30	213	912	0.05	10.6855	0.0000	0.0000	0.0000	1456.5000	0.0006	0.1371	0.0000	0.0000	0.0000	0.0000	0.0003	0.0595
4/9/09 to 4/31/09	4/30/09 0:00	522	923	0.07	36.5745	0.0000	0.0000	0.0000	0.0000	0.0008	0.3997	0.0000	0.0000	0.0000	0.0000	0.0003	0.1548
April (2009) SVE Monthly Discharge Total (pounds)					**47.2600**		**0.0000**		**0.0000**		**0.5368**		**0.0000**		**0.0000**		**0.2143**
5/1/09 to 5/5/09	5/5/09 16:00	101	923	0.07	7.0767	0.0000	0.0000	0.0000	0.0000	0.0008	0.0773	0.0000	0.0000	0.0000	0.0000	0.0003	0.0300
5/5/09 to 5/31/09	5/31/09 0:00	626	916	0.06	39.0183	0.0000	0.0000	0.0000	0.0000	0.0007	0.4637	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
May (2009) SVE Monthly Discharge Total (pounds)					**46.0949**		**0.0000**		**0.0000**		**0.5410**		**0.0000**		**0.0000**		**0.0300**
6/1/09 to 6/11/09	6/11/09 14:00	257	916	0.06	16.0003	0.0000	0.0000	0.0000	0.0000	0.0007	0.1902	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6/11/09 to 6/30/09	6/30/09 0:00	453	913	0.05	23.8296	0.0000	0.0000	0.0000	0.0000	0.0007	0.3004	0.0000	0.0000	0.0000	0.0000	0.0003	0.1456
June (2009) SVE Monthly Discharge Total (pounds)					**39.8299**		**0.0000**		**0.0000**		**0.4905**		**0.0000**		**0.0000**		**0.1456**
7/1/09 to 7/23/09	7/23/09 10:00	550	913	0.05	28.9321	0.0000	0.0000	0.0000	0.0000	0.0007	0.3647	0.0000	0.0000	0.0000	0.0000	0.0003	0.1768
7/23/09 to 7/31/09	7/31/09 0:00	200	929	0.06	12.6466	0.0000	0.0000	0.0000	0.0000	0.0007	0.1426	0.0000	0.0000	0.0000	0.0000	0.0003	0.0654
July (2009) SVE Monthly Discharge Total (pounds)					**41.5788**		**0.0000**		**0.0000**		**0.5073**		**0.0000**		**0.0000**		**0.2422**
8/1/09 to 8/6/09	8/6/09 11:54	138	929	0.06	8.7262	0.0000	0.0000	0.0000	0.0000	0.0007	0.0984	0.0000	0.0000	0.0000	0.0000	0.0003	0.0451
8/6/09 to 8/31/09	8/31/09 0:00	612	991	0.05	33.4450	0.0000	0.0000	0.0000	0.0000	0.0008	0.4795	0.0000	0.0000	0.0000	0.0000	0.0004	0.2606
August (2009) SVE Monthly Discharge Total (pounds)					**42.1712**		**0.0000**		**0.0000**		**0.5779**		**0.0000**		**0.0000**		**0.3058**
9/1/09 to 9/16/09	9/16/09 14:15	351	994	0.05	19.2075	0.0000	0.0000	0.0000	0.0000	0.0008	0.2754	0.0000	0.0000	0.0000	0.0000	0.0004	0.1497
9/16/09 to 9/30/09	9/30/09 0:00	270	916	0.11	29.1427	0.0000	0.0000	0.0000	0.0000	0.0010	0.2617	0.0000	0.0000	0.0000	0.0000	0.0006	0.1590
September (2009) SVE Monthly Discharge Total (pounds)					**48.3502**		**0.0000**		**0.0000**		**0.5370**		**0.0000**		**0.0000**		**0.3087**
10/1/09 to 10/5/09	10/5/09 8:45	106	916	0.11	11.4412	0.0000	0.0000	0.0000	0.0000	0.0010	0.1027	0.0000	0.0000	0.0000	0.0000	0.0006	0.0624
10/5/09 to 10/31/09	10/31/09 0:00	640	914	0.07	44.4964	0.0000	0.0000	0.0000	0.0000	0.0012	0.7891	0.0000	0.0000	0.0000	0.0000	0.0006	0.3851
October (2009) SVE Monthly Discharge Total (pounds)					**55.9376**		**0.0000**		**0.0000**		**0.8918**		**0.0000**		**0.0000**		**0.4475**
11/1/09 to 11/16/09	11/16/09 16:45	375	914	0.07	26.0370	0.0000	0.0000	0.0000	0.0000	0.0012	0.4624	0.0000	0.0000	0.0000	0.0000	0.0006	0.2257
11/16/09 to 11/30/09	11/30/09 0:00	342	920	0.03	9.0672	0.0000	0.0000	0.0000	0.0000	0.0004	0.1502	0.0000	0.0000	0.0000	0.0000	0.0002	0.0578
November (2009) SVE Monthly Discharge Total (pounds)					**35.1041**		**0.0000**		**0.0000**		**0.6126**		**0.0000**		**0.0000**		**0.2835**
12/1/09 to 12/15/09	12/10/09 12:15	228	920	0.03	6.0448	0.0000	0.0000	0.0000	0.0000	0.0004	0.1001	0.0000	0.0000	0.0000	0.0000	0.0002	0.0385
12/15/09 to 12/31/09	12/31/09 0:00	496	1009	0.08	39.3300	0.0000	0.0000	0.0000	0.0000	0.0010	0.4986	0.0000	0.0000	0.0002	0.0947	0.0004	0.1916
December (2009) SVE Monthly Discharge Total (pounds)					**45.3748**		**0.0000**		**0.0000**		**0.5987**		**0.0000**		**0.0947**		**0.2301**
1/1/10 to 1/11/10	1/11/10 15:35	256.00	1009	0.0793	20.2993	0.0000	0.0000	0.0000	0.0000	0.0010	0.2573	0.0000	0.0000	0.0002	0.0489	0.0004	0.0989
1/11/10 to 1/31/10	1/31/10 0:00	488.00	998	0.0758	36.9758	0.0000	0.0000	0.0000	0.0000	0.0012	0.5960	0.0000	0.0000	0.0000	0.0000	0.0004	0.1938
January (2010) SVE Monthly Discharge Total (pounds)					**57.2753**		**0.0000**		**0.0000**		**0.8533**		**0.0000**		**0.0489**		**0.2926**
2/1/10 to 2/4/10	2/4/10 16:30	88.00	998	0.0758	6.6678	0.0000	0.0000	0.0000	0.0000	0.0012	0.1075	0.0000	0.0000	0.0000	0.0000	0.0004	0.0349
2/4/10 to 2/28/10	2/28/10 0:00	491.00	1011	0.0742	36.4099	0.0000	0.0000	0.0000	0.0000	0.0014	0.5903	0.0000	0.0000	0.0000	0.0000	0.0004	0.2128
February (2010) SVE Monthly Discharge Total (pounds)					**43.0777**		**0.0000**		**0.0000**		**0.7977**		**0.0000**		**0.0000**		**0.2478**
3/1/10 to 3/4/10	3/4/10 14:30	62.00	1011	0.0742	4.5976	0.0000	0.0000	0.0000	0.0000	0.0014	0.0872	0.0000	0.0000	0.0000	0.0000	0.0004	0.0269
3/4/10 to 3/31/10	3/31/10 0:00	619.00	1002	0.1233	76.3484	0.0000	0.0000	0.0000	0.0000	0.0015	0.9138	0.0000	0.0000	0.0000	0.0000	0.0003	0.2069
March (2010) SVE Monthly Discharge Total (pounds)					**80.9459**		**0.0000**		**0.0000**		**1.0009**		**0.0000**		**0.0000**		**0.2338**

Table 12 Mass Removal Summary Sheet for Constituents of Concern from the Plant 12 SVE System, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014 (January 2014 - July 2014), Allison Transmission, Inc., Speedway, Indiana

Not a Hazardous Air Pollutant

Discharge Interval	Date & Time System Adjusted or End of Month	Operational Time Since System Adjusted (hours)	Discharge Flow Rate (cfm)	PCE (lb/hr)	PCE Discharged (lbs)	1,1,1-TCA (lb/hr)	1,1,1-TCA Discharged (lbs)	Chloroform (lb/hr)	Chloroform Discharged (lbs)	TCE (lb/hr)	TCE Discharged (lbs)	Cumene (lb/hr)	Cumene Discharged (lbs)	Toluene (lb/hr)	Toluene Discharged (lbs)	cis-1,2-DCE (lb/hr)	cis-1,2-DCE Discharged (lbs)
4/1/10 to 4/14/10	4/14/10 14:30	314.00	1002	0.1233	38.7292	0.0000	0.0000	0.0000	0.0000	0.0015	0.4635	0.0000	0.0000	0.0000	0.0000	0.0003	0.1060
4/14/10 to 4/30/10	4/30/10 0:00	390.00	932	0.0757	29.6580	0.0000	0.0000	0.0000	0.0000	0.0010	0.4017	0.0000	0.0000	0.0000	0.0000	0.0003	0.1062
April (2010) SVE Monthly Discharge Total (pounds)					**68.3872**		**0.0000**		**0.0000**		**0.8653**		**0.0000**		**0.0000**		**0.2122**
5/1/10 to 5/6/10	5/6/10 15:30	137.00	932	0.0757	10.3652	0.0000	0.0000	0.0000	0.0000	0.0010	0.1404	0.0000	0.0000	0.0000	0.0000	0.0003	0.0371
5/6/10 to 5/31/10	5/31/10 0:00	563.25	996	0.0992	55.8494	0.0000	0.0000	0.0000	0.0000	0.0010	0.5589	0.0000	0.0000	0.0000	0.0000	0.0003	0.1546
May (2010) SVE Monthly Discharge Total (pounds)					**66.2146**		**0.0000**		**0.0000**		**0.6993**		**0.0000**		**0.0000**		**0.1918**
6/1/10 to 6/6/10	6/6/10 15:36	373.75	996	0.0992	37.0594	0.0000	0.0000	0.0000	0.0000	0.0010	0.3709	0.0000	0.0000	0.0000	0.0000	0.0003	0.1026
6/6/10 to 6/30/10	6/30/10 0:00	331.00	918	0.0817	27.0443	0.0000	0.0000	0.0000	0.0000	0.0013	0.4222	0.0000	0.0000	0.0000	0.0000	0.0004	0.1441
June (2010) SVE Monthly Discharge Total (pounds)					**64.1037**		**0.0000**		**0.0000**		**0.7931**		**0.0000**		**0.0000**		**0.2467**
7/1/10 to 7/21/10	7/21/10 16:00	472.00	918	0.0817	38.5646	0.0000	0.0000	0.0000	0.0000	0.0013	0.6021	0.0000	0.0000	0.0000	0.0000	0.0004	0.2055
7/21/10 to 7/31/10	7/31/10 0:00	269.00	918	0.0841	22.6250	0.0000	0.0000	0.0000	0.0000	0.0011	0.3022	0.0000	0.0000	0.0000	0.0000	0.0004	0.1171
July (2010) SVE Monthly Discharge Total (pounds)					**61.1897**		**0.0000**		**0.0000**		**0.9043**		**0.0000**		**0.0000**		**0.3227**
8/1/10 to 8/26/10	8/26/10 14:30	585.00	918	0.0841	49.2031	0.0000	0.0000	0.0000	0.0000	0.0011	0.6571	0.0000	0.0000	0.0000	0.0000	0.0004	0.2547
8/26/10 to 8/31/10	8/31/10 0:00	127.50	881	0.0946	12.0594	0.0000	0.0000	0.0000	0.0000	0.0015	0.1957	0.0000	0.0000	0.0000	0.0000	0.0005	0.0636
August (2010) SVE Monthly Discharge Total (pounds)					**61.2625**		**0.0000**		**0.0000**		**0.8529**		**0.0000**		**0.0000**		**0.3183**
9/1/10 to 9/21/10	9/21/10 11:10	490.50	881	0.0946	46.3931	0.0000	0.0000	0.0000	0.0000	0.0015	0.7531	0.0000	0.0000	0.0000	0.0000	0.0005	0.2447
9/21/10 to 9/30/10	9/30/10 0:00	82.00	992	0.0884	7.2464	0.0000	0.0000	0.0000	0.0000	0.0011	0.0895	0.0000	0.0000	0.0000	0.0000	0.0003	0.0274
September (2010) SVE Monthly Discharge Total (pounds)					**53.6395**		**0.0000**		**0.0000**		**0.8426**		**0.0000**		**0.0000**		**0.2721**
10/1/10 to 12/6/10	12/6/10 15:45	1100.00	992	0.0884	97.2000	0.0000	0.0000	0.0000	0.0000	0.0011	1.2005	0.0000	0.0000	0.0000	0.0000	0.0003	0.3676
12/6/10 to 12/31/10	12/31/10 0:00	664.00	956	0.1177	78.1275	0.0000	0.0000	0.0000	0.0000	0.0014	0.9351	0.0000	0.0000	0.0000	0.0000	0.0006	0.3692
4th Quarter (2010) SVE Discharge Total (pounds)					**175.3354**		**0.0000**		**0.0000**		**2.1356**		**0.0000**		**0.0000**		**0.7369**
1/1/11 to 2/15/11	2/15/11 13:00	1030.00	956	0.1177	121.1917	0.0000	0.0000	0.0000	0.0000	0.0014	1.4505	0.0000	0.0000	0.0000	0.0000	0.0006	0.5727
2/15/11 to 3/9/11	3/9/11 12:00	514.00	987	0.0621	31.9018	0.0000	0.0000	0.0000	0.0000	0.0010	0.5055	0.0000	0.0000	0.0000	0.0000	0.0004	0.2176
January 1 - March 9, 2011 SVE Discharge Total (pounds)					**153.0935**		**0.0000**		**0.0000**		**1.9560**		**0.0000**		**0.0000**		**0.7903**
3/9/11 to 3/10/11	3/10/11 16:40	16.00	987	0.0621	0.9931	0.0000	0.0000	0.0000	0.0000	0.0010	0.0157	0.0000	0.0000	0.0000	0.0000	0.0004	0.0068
3/10/11 to 3/31/11	3/31/11 0:00	513.00	778	0.0652	33.4551	0.0000	0.0000	0.0000	0.0000	0.0011	0.5467	0.0000	0.0000	0.0000	0.0000	0.0002	0.1161
March 10 - March 31, 2011 SVE Discharge Total (pounds)					**34.4482**		**0.0000**		**0.0000**		**0.5624**		**0.0000**		**0.0000**		**0.1229**
4/1/11 to 5/9/11	5/9/11 13:15	917.00	778	0.0652	59.8019	0.0000	0.0000	0.0000	0.0000	0.0011	0.9772	0.0000	0.0000	0.0000	0.0000	0.0002	0.2075
5/9/11 to 6/30/11	6/30/11 0:00	1230.00	803	0.0442	54.3493	0.0000	0.0000	0.0000	0.0000	0.0009	1.0868	0.0000	0.0000	0.0000	0.0000	0.0002	0.2874
April 1 - June 30, 2011 SVE Discharge Total (pounds)					**114.1512**		**0.0000**		**0.0000**		**2.0640**		**0.0000**		**0.0000**		**0.4950**
7/1/11 to 8/1/11	8/1/11 13:30	713.00	803	0.0442	31.5049	0.0000	0.0000	0.0000	0.0000	0.0009	0.6300	0.0000	0.0000	0.0000	0.0000	0.0002	0.1666
8/1/11 to 9/30/11	9/30/11 0:00	1416.00	768	0.0422	59.8138	0.0000	0.0000	0.0000	0.0000	0.0005	0.7221	0.0000	0.0000	0.0000	0.0000	0.0002	0.2830
3rd Quarter (2011) SVE Discharge Total (pounds) July 1 - September 30, 2011					**91.3188**		**0.0000**		**0.0000**		**1.3521**		**0.0000**		**0.0000**		**0.4496**
10/1/11 to 12/6/11	8/1/11 13:30	1566.00	768	0.0422	66.1478	0.0000	0.0000	0.0000	0.0000	0.0005	0.7986	0.0000	0.0000	0.0000	0.0000	0.0002	0.3130
12/6/11 to 12/31/11	12/31/11 0:00	609.00	825	0.0281	17.1031	0.0000	0.0000	0.0000	0.0000	0.0003	0.1876	0.0000	0.0000	0.0000	0.0000	0.0001	0.0769
4th Quarter (2011) SVE Discharge Total (pounds) October 1 - December 31, 2011					**83.2509**		**0.0000**		**0.0000**		**0.9862**		**0.0000**		**0.0000**		**0.3899**
1/1/12 to 2/23/12	2/23/12 14:00	1285.00	825	0.0281	36.0877	0.0000	0.0000	0.0000	0.0000	0.0003	0.3959	0.0000	0.0000	0.0000	0.0000	0.0001	0.1623
2/23/12 to 3/31/12	3/31/12 0:00	873.00	788	0.0351	30.6457	0.0000	0.0000	0.0000	0.0000	0.0003	0.2714	0.0000	0.0000	0.0000	0.0000	0.0002	0.2002
1st Quarter (2012) SVE Discharge Total (pounds) January 1 - March 31, 2012					**66.7335**		**0.0000**		**0.0000**		**0.6672**		**0.0000**		**0.0000**		**0.3625**
4/1/12 to 5/17/12	5/17/12 15:30	1127.00	788	0.0351	39.5631	0.0000	0.0000	0.0000	0.0000	0.0003	0.3503	0.0000	0.0000	0.0000	0.0000	0.0002	0.2584
5/17/12 to 6/30/12	6/30/12 0:00	994.00	776	0.0407	40.4188	0.0179	0.0000	0.0000	0.0000	0.0007	0.6565	0.0000	0.0000	0.0000	0.0000	0.0002	0.2481
2nd Quarter (2012) SVE Discharge Total (pounds) April 1 - June 30, 2012					**79.9819**		**0.0179**		**0.0000**		**1.0068**		**0.0000**		**0.0000**		**0.5065**
7/1/12 to 9/12/12	9/12/12 12:15	1456.00	776	0.0407	59.2051	0.0000	0.0262	0.0000	0.0000	0.0007	0.9616	0.0000	0.0000	0.0000	0.0000	0.0002	0.3634
9/12/12 to 9/26/12	9/26/12 9:00	324.00	780	0.0204	6.6230	0.0000	0.0000	0.0000	0.0000	0.0019	0.6297	0.0000	0.0000	0.0016	0.5152	0.0006	0.1936
9/26/12 to 9/30/12	9/30/12 0:00	118.00	813	0.0447	5.2757	0.0000	0.0000	0.0000	0.0000	0.0007	0.0776	0.0000	0.0000	0.0002	0.0209	0.0004	0.0426
3rd Quarter (2012) SVE Discharge Total (pounds) July 1 - September 30, 2012					**71.1037**		**0.0262**		**0.0000**		**1.6689**		**0.0000**		**0.5361**		**0.5361**
10/1/12 to 10/11/12	10/11/12 12:00	234.00	813	0.0447	10.4619	0.0000	0.0000	0.0000	0.0000	0.0007	0.1539	0.0000	0.0000	0.0002	0.0415	0.0004	0.0844
10/11/12 to 12/12/12	12/12/12 12:15	1187.00	814	0.0512	60.7658	0.0000	0.0000	0.0000	0.0000	0.0007	0.8425	0.0000	0.0000	0.0000	0.0000	0.0003	0.3404
12/12/12 to 1/01/13	1/1/13 0:00	468.00	845	0.0266	12.4283	0.0000	0.0000	0.0000	0.0000	0.0004	0.1887	0.0000	0.0000	0.0000	0.0000	0.0002	0.0569
4th Quarter (2012) SVE Discharge Total (pounds) October 1 - December 31, 2012					**83.6560**		**0.0000**		**0.0000**		**1.1852**		**0.0000**		**0.0415**		**0.0415**

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Not a Hazardous Air Pollutant

Discharge Interval	Date & Time System Adjusted or End of Month	Operational Time Since System Adjusted (hours)	Discharge Flow Rate (cfm)	PCE (lb/hr)	PCE Discharged (lbs)	1,1,1-TCA (lb/hr)	1,1,1-TCA Discharged (lbs)	Chloroform (lb/hr)	Chloroform Discharged (lbs)	TCE (lb/hr)	TCE Discharged (lbs)	Cumene (lb/hr)	Cumene Discharged (lbs)	Toluene (lb/hr)	Toluene Discharged (lbs)	cis-1,2-DCE (lb/hr)	cis-1,2-DCE Discharged (lbs)
1/1/13 to 2/21/13	2/21/13 11:45	1181.00	845	0.0266	31.3629	0.0000	0.0000	0.0000	0.0000	0.0004	0.4763	0.0000	0.0000	0.0000	0.0000	0.0002	0.2444
2/21/13 to 3/31/13	3/31/13 0:00	909.50	854	0.0492	44.7341	0.0000	0.0000	0.0000	0.0000	0.0008	0.6927	0.0000	0.0000	0.0000	0.0000	0.0003	0.2377
1st Quarter (2013) SVE Discharge Total (pounds) January 1 - March 31, 2013					**76.0970**		**0.0000**		**0.0000**		**1.1690**		**0.0000**		**0.0000**		**0.4821**
4/1/13 to 6/13/13	6/13/13 13:30	909.50	854	0.0492	44.7341	0.0000	0.0000	0.0000	0.0000	0.0008	0.6927	0.0000	0.0000	0.0000	0.0000	0.0003	0.2377
6/13/13 to 6/30/13	6/30/13 0:00	1766.50	859	0.0405	71.5290	0.0000	0.0000	0.0000	0.0000	0.0007	1.2908	0.0000	0.0000	0.0000	0.0000	0.0003	0.5110
2nd Quarter (2013) SVE Discharge Total (pounds) April 1 - June 30, 2013					**116.2631**		**0.0000**		**0.0000**		**1.9836**		**0.0000**		**0.0000**		**0.7487**
7/1/13 to 7/29/13	7/29/13 15:30	670.00	859	0.0405	27.1296	0.0000	0.0000	0.0000	0.0000	0.0007	0.4896	0.0000	0.0000	0.0000	0.0000	0.0003	0.1938
7/29/13 to 8/27/13	8/27/13 10:00	691.00	831	0.0203	14.0409	0.0000	0.0000	0.0000	0.0000	0.0001	0.2751	0.0000	0.0000	0.0000	0.0000	0.0002	0.1112
8/27/13 to 8/29/13	8/29/13 15:40	47.00	834	0.0203	0.9550	0.0000	0.0000	0.0000	0.0000	0.0004	0.0187	0.0000	0.0000	0.0000	0.0000	0.0002	0.0096
8/29/13 to 9/30/13	9/30/13 0:00	763.00	850	0.0601	45.8375	0.0000	0.0000	0.0000	0.0000	0.0008	0.6322	0.0000	0.0000	0.0005	0.3867	0.0004	0.2878
3rd Quarter (2013) SVE Discharge Total (pounds) July 1 - September 30, 2013					**87.9630**		**0.0000**		**0.0000**		**1.4156**		**0.0000**		**0.3867**		**0.6324**
10/1/13 to 10/17/13	10/17/13 13:45	397.00	850	0.0601	23.850	0.0000	0.0000	0.0000	0.0000	0.0008	0.32893	0.0000	0.000	0.0005	0.20123	0.0004	0.1497
10/17/13 to 12/31/13	12/31/13 0:00	1811.00	819	0.0965	174.743	0.0000	0.0000	0.0000	0.0000	0.0010	1.84594	0.0000	0.000	0.0000	0.00000	0.0003	0.6128
4th Quarter (2013) SVE Discharge Total (pounds) October 1 - December 31, 2013					**198.5927**		**0.0000**		**0.000**		**2.1749**		**0.0000**		**0.2012**		**0.7626**
4/1/13 to 6/13/13	6/13/13 13:30	909.50	854	0.0492	44.7341	0.0000	0.0000	0.0000	0.0000	0.0008	0.6927	0.0000	0.0000	0.0000	0.0000	0.0003	0.2377
3/27/14 to 3/31/14	3/31/14 0:00	748.50	813	0.0426	32.7295	0.0000	0.0000	0.0000	0.0000	0.0008	0.6084	0.0000	0.0000	0.0000	0.0000	0.0002	0.1817
1st Quarter (2014) SVE Discharge Total (pounds) January 1 - March 31, 2014					**153.9205**		**0.0000**		**0.0000**		**1.9836**		**0.0000**		**0.0000**		**0.7487**
4/1/14 to 5/21/14	5/21/14 14:00	963.50	813	0.0426	41.0344	0.0000	0.0000	0.0000	0.0000	0.0008	0.7640	0.0000	0.0000	0.0000	0.0000	0.0002	0.2279
5/21/14 to 5/27/14	5/27/14 14:30	145.00	764	0.0280	5.5136	0.0000	0.0000	0.0000	0.0000	0.0006	0.0951	0.0000	0.0000	0.0001	0.0134	0.0002	0.0356
5/27/14 to 5/29/14	5/29/14 15:30	49.00	762	0.0320	1.5656	0.0000	0.0000	0.0000	0.0000	0.0003	0.0155	0.0000	0.0000	0.0000	0.0000	0.0002	0.0114
5/29/14 to 6/30/14	6/30/14 0:00	770.00	773	0.0425	32.7213	0.0000	0.0000	0.0000	0.0000	0.0009	0.6790	0.0000	0.0000	0.0001	0.0667	0.0003	0.2368
2nd Quarter (2014) SVE Discharge Total (pounds) April 1 - June 30, 2014					**80.8350**		**0.0000**		**0.0000**		**1.5436**		**0.0000**		**0.0800**		**0.5117**
				Total Discharged (pounds)	**28586.1788**		**0.0383**		**0.8143**		**134.9349**		**0.0000**		**1.3667**		**34.8797**
				Total Discharged (tons)	**14.6681**		**0.0000**		**0.0004**		**0.0675**		**0.0000**		**0.0008**		**0.0174**
			Estimated 12 Consecutive Month Discharge (tons)*		**0.2607**		**0.0000**		**0.0000**		**0.0035**		**0.0000**		**0.0003**		**0.0013**

Notes:

* Estimated 12 consecutive month discharge is calculated by the sum of mass removed during the last 12 months listed on the table above.

** - Based on previous sampling events Chloroform, Cumene, and Toluene assumed below detection limits for 7/7/05 sampling event due to lab running the wrong analyte list, and omitting these three compounds from the list.

---- - System shut-down on 10/7/05 for leak replacement, and was restarted on 11/3/05.

***** - System shut-down on and off while Allison Transmission trades upgraded PCE system.

****** - Allison Transmission sold on 8/7/07.

******* - Adjustments completed to the soil vapor extraction wells on March 10, 2011. A vapor exhaust sample was collected on March 10, 2011 to evaluate adjustments.

NSA: Sample not analyzed for this parameter.

Five new SVE wells connected to SVE Remediation System on 9/19/2012.

[1]Air sample collected on 4/25/13 is elevated due to five new SVE wells activated in April 2013.

The discharge interval is the generally the interval between the collection of two samples. Samples are collected at the beginning of each month and whenever an adjustment to the system is made that might affect the discharge. The results used to calculate the discharge are from the sample collected at the beginning of each interval. For example, the August 2004 discharge was calculated using data from two discharge intervals. The first interval (August 1 - August 3) is a continuation of the July 2004 interval and uses the laboratory data for the sample collected on July 7 to calculate the discharge mass. The second interval (August 3 through August 31) used the analytical data collected from the sample collected on August 4, 2004 to calculate the discharge. Because this remediation system is removing a finite mass from the subsurface soil, the concentrations will decrease over time, therefore, the practice of using the data collected at the beginning of the discharge interval provides a conservative (biased high) estimate of the mass discharged. It is important to note that throughout the operation of this system, the concentration of PCE removed has always decreased over time unless additional extraction wells are opened to improve the effectiveness of the system. The day or two interval between system adjustment and sample collection also provides a conservative concentration value because when the system is adjusted to increase its effectiveness (i.e., additional extraction wells are brought on-line), it takes time for the effect to be fully realized.

In July 2008 ENCORE submitted an Air Permit Modification Application to the City of Indianapolis proposing to remove the ENCORE permitted units from the Allison Transmission, Inc. Title V Permit. In August 2008, ENCORE received approval of the application from the City of Indianapolis which identified the units as exempt from air pollutant permit requirements.

As monthly air emission sampling is no longer a regulatory requirement (per exempt operation status letter dated August 14, 2008 from City of Indianapolis, Department of Public Works), quarterly vapor sampling of the SVE remediation system started during 4th Quarter 2010.

Table 13. Mass Removal Summary Sheet for Constituents of Concern from the Plant 12 Groundwater Recovery System Air Stripper, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014 (January 2014 - July 2014), Allison Transmission, Inc., Speedway, Indiana.

Discharge Interval	Date & Time System Adjusted or End of Month	Operational Time Since System Adjusted (hours)	Discharge Flow Rate (cfm)	PCE (lb/hr)	PCE Discharged (lbs)	1,1,1-TCA (lb/hr)	1,1,1-TCA Discharged (lbs)	Chloroform (lb/hr)	Chloroform Discharged (lbs)	TCE (lb/hr)	TCE Discharged (lbs)	Cumene (lb/hr)	Cumene Discharged (lbs)	Toluene (lb/hr)	Toluene Discharged (lbs)	Not a Hazardous Air Pollutant cis-1,2-DCE (lb/hr)	cis-1,2-DCE Discharged (lbs)
11/28/07 to 11/30/2007	11/30/07 0:00	40.00	360	0.0403	1.6217	0.0000	0.0000	0.0000	0.0000	0.0007	0.0278	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		November (2007) Monthly Discharge Total (pounds)			**1.6217**		**0.0000**		**0.0000**		**0.0278**		**0.0000**		**0.0000**		**0.0000**
12/01/07 to 12/13/2007	12/13/07 16:30	40.00	360	0.0405	1.6217	0.0000	0.0000	0.0000	0.0000	0.0007	0.0278	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12/13/07 to 12/31/2007	12/31/07 0:00	375.20	360	0.0002	0.0672	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		December (2007) Monthly Discharge Total (pounds)			**1.6889**		**0.0000**		**0.0000**		**0.0278**		**0.0000**		**0.0000**		**0.0000**
01/01/08 to 01/08/2008	1/8/08 11:15	43.50	360	0.0002	0.0078	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
01/08/08 to 01/31/2008	1/31/08 0:00	501.40	360	0.0017	0.8509	0.0000	0.0000	0.0000	0.0000	0.0000	0.0150	0.0000	0.0041	0.0001	0.0289	0.0000	0.0072
		January (2008) Monthly Discharge Total (pounds)			**0.8587**		**0.0000**		**0.0000**		**0.0150**		**0.0041**		**0.0289**		**0.0072**
02/01/08 to 02/12/2008	2/12/08 11:30	226.60	360	0.0017	0.3846	0.0000	0.0000	0.0000	0.0000	0.0000	0.0068	0.0000	0.0019	0.0001	0.0131	0.0000	0.0032
02/12/08 to 02/29/2008	2/29/08 0:00	288.50	360	0.0509	14.6888	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		February (2008) Monthly Discharge Total (pounds)			**15.0733**		**0.0000**		**0.0000**		**0.0068**		**0.0019**		**0.0131**		**0.0032**
03/01/08 to 03/04/2008	3/4/08 17:13	130.80	360	0.0509	6.6596	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
03/04/08 to 03/31/2008	3/31/08 0:00	639.20	360	0.0236	15.0669	0.0000	0.0000	0.0000	0.0000	0.0002	0.1480	0.0000	0.0000	0.0001	0.0703	0.0001	0.0564
		March (2008) Monthly Discharge Total (pounds)			**21.7264**		**0.0000**		**0.0000**		**0.1480**		**0.0000**		**0.0703**		**0.0564**
04/01/08 to 04/03/2008	4/3/08 10:50	58.00	360	0.0236	1.3671	0.0000	0.0000	0.0000	0.0000	0.0002	0.0134	0.0000	0.0000	0.0001	0.0064	0.0001	0.0051
04/03/08 to 04/30/2008	4/30/08 0:00	346.00	360	0.1131	39.1474	0.0000	0.0000	0.0000	0.0000	0.0012	0.4135	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		April (2008) Monthly Discharge Total (pounds)			**40.5146**		**0.0000**		**0.0000**		**0.4270**		**0.0000**		**0.0064**		**0.0051**
05/01/08 to 05/15/2008	5/15/08 12:00	144.60	360	0.1131	16.3605	0.0000	0.0000	0.0000	0.0000	0.0012	0.1728	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
05/15/08 to 05/31/2008	5/30/08 0:00	335.20	360	0.1226	41.0859	0.0000	0.0000	0.0000	0.0000	0.0015	0.5008	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		May (2008) Monthly Discharge Total (pounds)			**57.4464**		**0.0000**		**0.0000**		**0.6736**		**0.0000**		**0.0000**		**0.0000**
06/01/08 to 06/03/2008	6/3/08 11:53	62.00	360	0.1226	7.5994	0.0000	0.0000	0.0000	0.0000	0.0015	0.0926	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
06/03/08 to 06/30/2008	6/30/08 0:00	349.00	370	0.0204	7.1022	0.0000	0.0000	0.0000	0.0000	0.0001	0.0509	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		June (2008) Monthly Discharge Total (pounds)			**14.7016**		**0.0000**		**0.0000**		**0.1435**		**0.0000**		**0.0000**		**0.0000**
07/01/08 to 07/23/2008	7/23/08 14:00	279.30	370	0.0204	5.6838	0.0000	0.0000	0.0000	0.0000	0.0001	0.0407	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
07/23/08 to 07/31/2008	7/31/08 0:00	178.60	360	0.0002	0.0370	0.0000	0.0000	0.0000	0.0000	0.0000	0.0008	0.0000	0.0000	0.0000	0.0071	0.0000	0.0033
		July (2008) Monthly Discharge Total (pounds)			**5.7208**		**0.0000**		**0.0000**		**0.0415**		**0.0000**		**0.0071**		**0.0033**

Table 13. Mass Removal Summary Sheet for Constituents of Concern from the Plant 12 Groundwater Recovery System Air Stripper, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014 (January 2014 - July 2014), Allison Transmission, Inc., Speedway, Indiana.

Not a Hazardous Air Pollutant

Discharge Interval	Date & Time System Adjusted or End of Month	Operational Time Since System Adjusted (hours)	Discharge Flow Rate (cfm)	PCE (lb/hr)	PCE Discharged (lbs)	1,1,1-TCA (lb/hr)	1,1,1-TCA Discharged (lbs)	Chloroform (lb/hr)	Chloroform Discharged (lbs)	TCE (lb/hr)	TCE Discharged (lbs)	Cumene (lb/hr)	Cumene Discharged (lbs)	Toluene (lb/hr)	Toluene Discharged (lbs)	cis-1,2-DCE (lb/hr)	cis-1,2-DCE Discharged (lbs)
08/01/08 to 08/12/2008	8/12/08 10:30	202.30	360	0.0002	0.0420	0.0000	0.0000	0.0000	0.0000	0.0000	0.0009	0.0000	0.0000	0.0000	0.0081	0.0000	0.0038
08/12/08 to 08/31/2008	8/31/08 0:00	420.80	370	0.0076	3.1806	0.0000	0.0000	0.0000	0.0000	0.0001	0.0223	0.0000	0.0000	0.0000	0.0208	0.0000	0.0095
		August (2008) Monthly Discharge Total (pounds)			**3.2226**		**0.0000**		**0.0000**		**0.0232**		**0.0000**		**0.0289**		**0.0133**
09/01/08 to 09/11/2008	9/11/08 17:00	251.50	370	0.0076	1.9010	0.0000	0.0000	0.0000	0.0000	0.0001	0.0133	0.0000	0.0000	0.0000	0.0125	0.0000	0.0057
09/11/08 to 09/30/2008	9/30/08 0:00	319.00	360	0.0003	0.1113	0.0000	0.0000	0.0000	0.0000	0.0000	0.0050	0.0000	0.0000	0.0001	0.0351	0.0000	0.0044
		September (2008) Monthly Discharge Total (pounds)			**2.0123**		**0.0000**		**0.0000**		**0.0183**		**0.0000**		**0.0476**		**0.0101**
10/01/08 to 10/01/2008	10/1/08 14:00	20.80	360	0.0003	0.0073	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000	0.0000	0.0001	0.0023	0.0000	0.0003
10/01/08 to 10/31/2008	10/31/08 0:00	390.20	360	0.0002	0.0662	0.0000	0.0000	0.0000	0.0000	0.0000	0.0044	0.0000	0.0000	0.0000	0.0102	0.0000	0.0034
		October (2008) Monthly Discharge Total (pounds)			**0.0735**		**0.0000**		**0.0000**		**0.0047**		**0.0000**		**0.0125**		**0.0037**
11/01/08 to 11/13/2008	11/13/08 11:45	96.60	360	0.0002	0.0164	0.0000	0.0000	0.0000	0.0000	0.0000	0.0011	0.0000	0.0000	0.0000	0.0025	0.0000	0.0009
11/13/08 to 11/30/2008	11/30/08 0:00	278.20	360	0.0330	9.1806	0.0000	0.0000	0.0000	0.0000	0.0004	0.1185	0.0000	0.0000	0.0000	0.0000	0.0002	0.0552
		November (2008) Monthly Discharge Total (pounds)			**9.1970**		**0.0000**		**0.0000**		**0.1195**		**0.0000**		**0.0025**		**0.0560**
12/01/08 to 12/1/2008	12/1/08 14:30	20.00	360	0.0330	0.6600	0.0000	0.0000	0.0000	0.0000	0.0004	0.0085	0.0000	0.0000	0.0000	0.0000	0.0002	0.0040
12/1/08 to 12/31/2008	12/31/08 0:00	588.20	360	0.0057	3.3275	0.0000	0.0000	0.0000	0.0000	0.0001	0.0835	0.0000	0.0000	0.0000	0.0206	0.0000	0.0230
		December (2008) Monthly Discharge Total (pounds)			**3.9875**		**0.0000**		**0.0000**		**0.0920**		**0.0000**		**0.0206**		**0.0270**
1/01/09 to 1/20/09	1/20/09 14:30	93.70	360	0.0057	0.5301	0.0000	0.0000	0.0000	0.0000	0.0001	0.0133	0.0000	0.0000	0.0000	0.0033	0.0000	0.0037
1/20/09 to 1/31/09	1/31/09 0:00	194.90	360	0.0009	0.1838	0.0000	0.0016	0.0000	0.0000	0.0000	0.0022	0.0000	0.0000	0.0000	0.0020	0.0000	0.0067
		January (2009) Monthly Discharge Total (pounds)			**0.7138**		**0.0016**		**0.0000**		**0.0155**		**0.0000**		**0.0053**		**0.0103**
2/01/09 to 2/10/09	2/10/09 11:00	230.60	360	0.0009	0.2174	0.0000	0.0019	0.0000	0.0000	0.0000	0.0026	0.0000	0.0000	0.0000	0.0024	0.0000	0.0079
2/10/09 to 2/28/09	2/28/09 0:00	142.30	360	0.0002	0.0242	0.0000	0.0010	0.0000	0.0000	0.0000	0.0009	0.0000	0.0000	0.0000	0.0021	0.0000	0.0041
		February (2009) Monthly Discharge Total (pounds)			**0.2416**		**0.0029**		**0.0000**		**0.0035**		**0.0000**		**0.0045**		**0.0120**
3/01/09 to 3/31/09	3/31/09 0:00	259.60	360	0.0002	0.0441	0.0000	0.0019	0.0000	0.0000	0.0000	0.0017	0.0000	0.0000	0.0000	0.0038	0.0000	0.0074
		March (2009) Monthly Discharge Total (pounds)			**0.0441**		**0.0019**		**0.0000**		**0.0017**		**0.0000**		**0.0038**		**0.0074**
4/01/09 to 4/09/09	4/9/09 10:30	210.10	360	0.0002	0.0357	0.0000	0.0015	0.0000	0.0000	0.0000	0.0013	0.0000	0.0000	0.0000	0.0031	0.0000	0.0060
4/09/09 to 4/30/09	4/30/09 0:00	441.90	360	0.0141	6.2483	0.0000	0.0000	0.0000	0.0000	0.0003	0.1254	0.0000	0.0000	0.0000	0.0000	0.0000	0.0192
		April (2009) Monthly Discharge Total (pounds)			**6.2840**		**0.0015**		**0.0000**		**0.1268**		**0.0000**		**0.0031**		**0.0253**

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Discharge Interval	Date & Time System Adjusted or End of Month	Operational Time Since System Adjusted (hours)	Discharge Flow Rate (cfm)	PCE (lb/hr)	PCE Discharged (lbs)	1,1,1-TCA (lb/hr)	1,1,1-TCA Discharged (lbs)	Chloroform (lb/hr)	Chloroform Discharged (lbs)	TCE (lb/hr)	TCE Discharged (lbs)	Cumene (lb/hr)	Cumene Discharged (lbs)	Toluene (lb/hr)	Toluene Discharged (lbs)	Not a Hazardous Air Pollutant cis-1,2-DCE (lb/hr)	cis-1,2-DCE Discharged (lbs)
5/01/09 to 5/31/09	5/31/09 0:00	448.20	360	0.0141	6.3388	0.0000	0.0000	0.0000	0.0000	0.0003	0.1272	0.0000	0.0000	0.0000	0.0000	0.0000	0.0195
		May (2009) Monthly Discharge Total (pounds)			**6.3388**		**0.0000**		**0.0000**		**0.1272**		**0.0000**		**0.0000**		**0.0195**
6/01/09 to 6/30/09	6/30/09 0:00	603.00	360	0.0141	8.5281	0.0000	0.0000	0.0000	0.0000	0.0003	0.1712	0.0000	0.0000	0.0000	0.0000	0.0000	0.0263
		June (2009) Monthly Discharge Total (pounds)			**8.5281**		**0.0000**		**0.0000**		**0.1712**		**0.0000**		**0.0000**		**0.0263**
7/01/09 to 7/31/09	7/31/09 0:00	637.40	360	0.0141	9.0147	0.0000	0.0000	0.0000	0.0000	0.0003	0.1809	0.0000	0.0000	0.0000	0.0000	0.0000	0.0278
		July (2009) Monthly Discharge Total (pounds)			**9.0147**		**0.0000**		**0.0000**		**0.1809**		**0.0000**		**0.0000**		**0.0278**
8/01/09 to 8/06/09	8/6/09 12:45	115.90	360	0.0141	1.6392	0.0000	0.0000	0.0000	0.0000	0.0003	0.0329	0.0000	0.0000	0.0000	0.0000	0.0000	0.0050
8/06/09 to 8/31/09	8/31/09 0:00	543.80	360	0.0007	0.3692	0.0000	0.0000	0.0000	0.0000	0.0000	0.0219	0.0000	0.0000	0.0002	0.1253	0.0000	0.0141
		August (2009) Monthly Discharge Total (pounds)			**2.0083**		**0.0000**		**0.0000**		**0.0548**		**0.0000**		**0.1253**		**0.0191**
9/01/09 to 9/30/09	9/30/09 0:00	700.00	360	0.0007	0.4752	0.0000	0.0000	0.0000	0.0000	0.0000	0.0282	0.0000	0.0000	0.0002	0.1614	0.0000	0.0181
		September (2009) Monthly Discharge Total (pounds)			**0.4752**		**0.0000**		**0.0000**		**0.0282**		**0.0000**		**0.1614**		**0.0181**
10/01/09 to 10/31/09	10/31/09 0:00	700.00	360	0.0007	0.4292	0.0000	0.0000	0.0000	0.0000	0.0000	0.0255	0.0000	0.0000	0.0002	0.1457	0.0000	0.0164
		October (2009) Monthly Discharge Total (pounds)			**0.4292**		**0.0000**		**0.0000**		**0.0255**		**0.0000**		**0.1457**		**0.0164**
11/01/09 to 11/16/09	11/01/09 to 11/16/09	373.30	360	0.0007	0.2534	0.0000	0.0000	0.0000	0.0000	0.0000	0.0151	0.0000	0.0000	0.0002	0.0860	0.0000	0.0097
11/16/09 to 11/30/09	11/16/09 to 11/30/09	320.60	360	0.1603	51.3876	0.0000	0.0000	0.0000	0.0000	0.0030	0.9580	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		November (2009) Monthly Discharge Total (pounds)			**51.6410**		**0.0000**		**0.0000**		**0.9730**		**0.0000**		**0.0860**		**0.0097**
12/01/09 to 12/31/09	12/31/09 0:00	389.50	360	0.1603	62.4313	0.0000	0.0000	0.0000	0.0000	0.0030	1.1638	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		December (2009) Monthly Discharge Total (pounds)			**62.4313**		**0.0000**		**0.0000**		**1.1638**		**0.0000**		**0.0000**		**0.0000**
1/1/10 to 1/31/10	1/31/09 0:00	693.60	360	0.1603	111.1742	0.0000	0.0000	0.0000	0.0000	0.0030	2.0725	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		January (2010) Monthly Discharge Total (pounds)			**111.1742**		**0.0000**		**0.0000**		**2.0725**		**0.0000**		**0.0000**		**0.0000**
2/4/10 to 2/28/10	2/4/10 16:45	78.20	360	0.0002	0.0140	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2/4/10 to 2/28/10	2/28/10 0:00	519.20	360	0.0005	0.2643	0.0000	0.0000	0.0000	0.0000	0.0001	0.0271	0.0000	0.0000	0.0000	0.0049	0.0000	0.0000
		February (2010) Monthly Discharge Total (pounds)			**0.2784**		**0.0000**		**0.0000**		**0.0271**		**0.0000**		**0.0049**		**0.0000**
3/1/10 to 3/31/10	3/31/10 0:00	632.60	360	0.0005	0.3221	0.0000	0.0000	0.0000	0.0000	0.0001	0.0331	0.0000	0.0000	0.0000	0.0060	0.0000	0.0000
		March (2010) Monthly Discharge Total (pounds)			**0.3221**		**0.0000**		**0.0000**		**0.0331**		**0.0000**		**0.0060**		**0.0000**
4/1/10 to 4/30/10	4/30/10 0:00	665.00	360	0.0005	0.3386	0.0000	0.0000	0.0000	0.0000	0.0001	0.0348	0.0000	0.0000	0.0000	0.0063	0.0000	0.0000
		April (2010) Monthly Discharge Total (pounds)			**0.3356**		**0.0000**		**0.0000**		**0.0348**		**0.0000**		**0.0063**		**0.0000**

Table 13. Mass Removal Summary Sheet for Constituents of Concern from the Plant 12 Groundwater Recovery System Air Stripper, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014 (January 2014 - July 2014), Allison Transmission, Inc., Speedway, Indiana.

																Not a Hazardous Air Pollutant	
Discharge Interval	Date & Time System Adjusted or End of Month	Operational Time Since System Adjusted (hours)	Discharge Flow Rate (cfm)	PCE (lb/hr)	PCE Discharged (lbs)	1,1,1-TCA (lb/hr)	1,1,1-TCA Discharged (lbs)	Chloroform (lb/hr)	Chloroform Discharged (lbs)	TCE (lb/hr)	TCE Discharged (lbs)	Cumene (lb/hr)	Cumene Discharged (lbs)	Toluene (lb/hr)	Toluene Discharged (lbs)	cis-1,2-DCE (lb/hr)	cis-1,2-DCE Discharged (lbs)
5/1/10 to 5/6/10	5/6/10 14:00	128.30	360	0.0005	0.0653	0.0000	0.0000	0.0000	0.0000	0.0001	0.0057	0.0000	0.0000	0.0000	0.0012	0.0000	0.0000
5/6/10 to 5/31/10	5/31/10 0:00	597.95	360	0.0003	0.2030	0.0000	0.0000	0.0000	0.0000	0.0000	0.0029	0.0000	0.0000	0.0000	0.0053	0.0006	0.3818
		May (2010) Monthly Discharge Total (pounds)			0.2683		0.0000		0.0000		0.0086		0.0000		0.0065		0.3818
6/1/10 to 6/30/10	6/30/10 0:00	540.75	360	0.0003	0.1835	0.0000	0.0000	0.0000	0.0000	0.0000	0.0026	0.0000	0.0000	0.0000	0.0048	0.0006	0.3453
		June (2010) Monthly Discharge Total (pounds)			0.1835		0.0000		0.0000		0.0026		0.0000		0.0048		0.3453
7/1/10 to 7/31/10	7/31/10 0:00	672.00	360	0.0003	0.2281	0.0000	0.0000	0.0000	0.0000	0.0000	0.0032	0.0000	0.0000	0.0000	0.0060	0.0006	0.4291
		July (2010) Monthly Discharge Total (pounds)			0.2281		0.0000		0.0000		0.0032		0.0000		0.0060		0.4291
8/1/10 to 8/31/10	8/31/10 0:00	613.50	360	0.0003	0.2082	0.0000	0.0000	0.0000	0.0000	0.0000	0.0029	0.0000	0.0000	0.0000	0.0055	0.0006	0.3918
		August (2010) Monthly Discharge Total (pounds)			0.2082		0.0000		0.0000		0.0029		0.0000		0.0055		0.3918
9/1/10 to 9/21/10	9/21/10 11:20	482.70	360	0.0003	0.1638	0.0000	0.0000	0.0000	0.0000	0.0000	0.0023	0.0000	0.0000	0.0000	0.0043	0.0006	0.3082
9/21/10 to 9/30/10	9/30/10 0:00	221.80	360	0.0010	0.2300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0040	0.0000	0.0000	0.0000	0.0008	0.0000	0.0008
		September (2010) Monthly Discharge Total (pounds)			0.3939		0.0000		0.0000		0.0063		0.0000		0.0051		0.3091
10/1/10 to 12/2/10	12/6/10 15:30	908.90	360	0.0010	0.9427	0.0000	0.0000	0.0000	0.0000	0.0000	0.0163	0.0000	0.0000	0.0000	0.0034	0.0000	0.0034
12/6/10 to 12/31/10	12/31/10 0:00	577.10	380	0.0001	0.0747	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0303	0.0000	0.0000
		4th Quarter (2010) Discharge Total (pounds)			1.0173		0.0000		0.0000		0.0163		0.0000		0.0337		0.0034
1/1/11 to 2/15/11	2/15/11 13:00	981.30	380	0.0001	0.9427	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0516	0.0000	0.0000
2/15/11 to 3/31/11	3/31/11 0:00	992.30	360	0.0001	0.1029	0.0000	0.0000	0.0000	0.0032	0.0000	0.0044	0.0000	0.0000	0.0000	0.0120	0.0000	0.0032
		1st Quarter (2011) Discharge Total (pounds)			0.2299		0.0000		0.0032		0.0044		0.0000		0.0635		0.0032
4/1/11 to 5/9/11	5/9/11 13:30	854.10	360	0.0001	0.9427	0.0000	0.0000	0.0000	0.0027	0.0000	0.0038	0.0000	0.0000	0.0000	0.0103	0.0000	0.0027
5/9/11 to 6/30/11	6/30/11 0:00	1108.30	360	0.0717	79.4176	0.0000	0.0000	0.0000	0.0000	0.0027	2.9805	0.0000	0.0000	0.0000	0.0000	0.0008	0.8551
		2nd Quarter (2011) Discharge Total (pounds)			79.5062		0.0000		0.0027		2.9842		0.0000		0.0103		0.8578
7/1/11 to 8/1/11	8/1/11 13:15	728.10	360	0.0717	0.1270	0.0000	0.0000	0.0000	0.0000	0.0027	1.9580	0.0000	0.0000	0.0000	0.0000	0.0008	0.5618
8/1/11 to 9/30/11	9/30/11 0:00	1370.30	360	0.0104	14.2120	0.0000	0.0000	0.0000	0.0000	0.0001	0.0798	0.0000	0.0000	0.0000	0.0122	0.0002	0.2945
		3rd Quarter (2011) Discharge Total (pounds)			66.3855		0.0000		0.0000		2.0379		0.0000		0.0122		0.8563
10/1/11 to 12/6/11	12/6/11 13:45	1384.80	360	0.0104	0.0886	0.0000	0.0000	0.0000	0.0000	0.0001	0.0807	0.0000	0.0000	0.0000	0.0123	0.0002	0.2976
12/6/11 to 12/31/11	12/31/11 0:00	563.80	360	0.0035	1.9669	0.0000	0.0000	0.0000	0.0000	0.0001	0.0341	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		4th Quarter (2011) Discharge Total (pounds)			16.3292		0.0000	0.0000	0.0000		0.1148		0.0000		0.0123		0.2976

Table 13. Mass Removal Summary Sheet for Constituents of Concern from the Plant 12 Groundwater Recovery System Air Stripper, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014 (January 2014 - July 2014), Allison Transmission, Inc., Speedway, Indiana.

Discharge Interval	Date & Time System Adjusted or End of Month	Operational Time Since System Adjusted (hours)	Discharge Flow Rate (cfm)	PCE (lb/hr)	PCE Discharged (lbs)	1,1,1-TCA (lb/hr)	1,1,1-TCA Discharged (lbs)	Chloroform (lb/hr)	Chloroform Discharged (lbs)	TCE (lb/hr)	TCE Discharged (lbs)	Cumene (lb/hr)	Cumene Discharged (lbs)	Toluene (lb/hr)	Toluene Discharged (lbs)	Not a Hazardous Air Pollutant: cis-1,2-DCE (lb/hr)	Not a Hazardous Air Pollutant: cis-1,2-DCE Discharged (lbs)
1/1/12 to 2/23/12	2/23/12 15:00	1214.10	360	0.0035	4.2355	0.0000	0.0000	0.0000	0.0000	0.0001	0.0735	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2/23/12 to 3/31/12	3/31/12 0:00	699.50	360	0.0160	11.2120	0.0000	0.0000	0.0000	0.0000	0.0006	0.3971	0.0000	0.0000	0.0000	0.0000	0.0003	0.2159
			1st Quarter (2012) Discharge Total (pounds)		**15.4475**		**0.0000**		**0.0000**		**0.4706**		**0.0000**		**0.0000**		**0.2159**
4/1/12 to 5/17/12	5/17/12 15:00	1035.10	360	0.0160	16.5912	0.0000	0.0000	0.0000	0.0000	0.0006	0.5877	0.0000	0.0000	0.0000	0.0000	0.0003	0.3195
5/17/12 to 6/30/12	6/30/12 0:00	927.30	360	0.0160	14.8633	0.0000	0.0000	0.0000	0.0000	0.0006	0.5265	0.0000	0.0000	0.0000	0.0000	0.0003	0.2862
			2nd Quarter (2012) Discharge Total (pounds)		**31.4545**		**0.0000**		**0.0000**		**1.1141**		**0.0000**		**0.0000**		**0.6056**
7/1/12 to 9/12/12	9/12/12 12:00	1637.50	360	0.0160	26.2468	0.0000	0.0000	0.0000	0.0000	0.0006	0.9297	0.0000	0.0000	0.0000	0.0000	0.0003	0.5054
9/12/12 to 9/30/12	9/30/12 0:00	435.50	360	0.0094	4.1061	0.0000	0.0000	0.0000	0.0000	0.0009	0.3904	0.0000	0.0000	0.0007	0.3194	0.0003	0.1200
			3rd Quarter (2012) Discharge Total (pounds)		**30.3529**		**0.0000**		**0.0000**		**1.3200**		**0.0000**		**0.3194**		**0.6254**
10/1/12 to 12/31/12	12/31/12 12:00	1940.0000	360.0000	0.0094	18.2914	0.0000	0.0000	0.0000	0.0000	0.0009	1.7390	0.0000	0.0000	0.0007	1.4228	0.0003	0.5346
			4th Quarter (2012) Discharge Total (pounds)		**18.2914**		**0.0000**		**0.0000**		**1.7390**		**0.0000**		**1.4228**		**0.5346**
1/1/13 to 2/21/13	2/21/13 12:00	1063.10	360	0.0094	10.0235	0.0000	0.0000	0.0000	0.0000	0.0007	0.9530	0.0000	0.0000	0.0007	0.7797	0.0003	0.2929
2/21/13 to 3/31/13	3/31/13 0:00	916.20	360	0.0018	1.6413	0.0000	0.0000	0.0000	0.0000	0.0000	0.2259	0.0000	0.0039	0.0000	0.0072	0.0004	0.3534
			1st Quarter (2013) Discharge Total (pounds)		**11.6648**		**0.0000**		**0.0000**		**1.1788**		**0.0039**		**0.7869**		**0.6464**
4/1/13 to 6/13/13	6/13/13 12:45	1756.70	360	0.0018	3.1470	0.0000	0.0000	0.0000	0.0000	0.0002	0.4330	0.0000	0.0074	0.0000	0.0138	0.0004	0.6777
6/13/13 to 6/30/13	6/30/13 0:00	477.00	360	0.0044	2.1138	0.0000	0.0000	0.0000	0.0000	0.0006	0.2957	0.0000	0.0000	0.0000	0.0000	0.0006	0.2892
			2nd Quarter (2013) Discharge Total (pounds)		**5.2608**		**0.0000**		**0.0000**		**0.7288**		**0.0074**		**0.0138**		**0.9669**
7/1/13 to 8/29/13	8/29/13 15:45	1220.00	360	0.0044	5.4063	0.0000	0.0000	0.0000	0.0000	0.0006	0.7564	0.0000	0.0000	0.0000	0.0000	0.0006	0.7396
8/29/13 to 9/30/13	9/30/13 0:00	769.00	360	0.0004	0.3190	0.0000	0.0000	0.0000	0.0000	0.0000	0.0115	0.0000	0.0000	0.0000	0.0052	0.0000	0.0000
			3rd Quarter (2013) Discharge Total (pounds)		**5.7254**		**0.0000**		**0.0000**		**0.7679**		**0.0000**		**0.0052**		**0.7396**

Table 13. Mass Removal Summary Sheet for Constituents of Concern from the Plant 12 Groundwater Recovery System Air Stripper, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014 (January 2014 - July 2014), Allison Transmission, Inc., Speedway, Indiana.

Not a Hazardous Air Pollutant

Discharge Interval	Date & Time System Adjusted or End of Month	Operational Time Since System Adjusted (hours)	Discharge Flow Rate (cfm)	PCE (lb/hr)	PCE Discharged (lbs)	1,1,1-TCA (lb/hr)	1,1,1-TCA Discharged (lbs)	Chloroform (lb/hr)	Chloroform Discharged (lbs)	TCE (lb/hr)	TCE Discharged (lbs)	Cumene (lb/hr)	Cumene Discharged (lbs)	Toluene (lb/hr)	Toluene Discharged (lbs)	cis-1,2-DCE (lb/hr)	cis-1,2-DCE Discharged (lbs)
10/1/13 to 10/17/13	10/17/13 14:00	284.00	360	0.0004	0.1178	0.0000	0.0000	0.0000	0.0000	0.0000	0.0042	0.0000	0.0000	0.0000	0.0019	0.0000	0.0000
10/17/13 to 12/31/13	12/31/13 0:00	1847.00	360	0.0405	74.8827	0.0000	0.0000	0.0000	0.0000	0.0026	4.8290	0.0000	0.0000	0.0000	0.0000	0.0011	2.0358
			4th Quarter (2013) Discharge Total (pounds)		**75.0005**		**0.0000**		**0.0000**		**4.8333**		**0.0000**		**0.0019**		**2.0358**
1/1/14 to 2/27/14	2/27/14 14:00	1282.60	360	0.0405	52.0003	0.0000	0.0000	0.0000	0.0000	0.0026	3.3534	0.0000	0.0000	0.0000	0.0000	0.0011	1.4137
2/27/14 to 3/31/14	3/31/14 0:00	773.40	360	0.0017	1.3126	0.0000	0.0000	0.0000	0.0000	0.0001	0.0456	0.0000	0.0000	0.0000	0.0093	0.0000	0.0068
			1st Quarter (2014) Discharge Total (pounds)		**53.3128**		**0.0000**		**0.0000**		**3.3990**		**0.0000**		**0.0093**		**1.4205**
4/1/14 to 6/30/14	5/15/14 12:00	1060.40	360	0.0017	1.7997	0.0000	0.0000	0.0000	0.0000	0.0001	0.0626	0.0000	0.0000	0.0000	0.0128	0.0000	0.0094
5/15/14 to 6/30/14	6/30/14 0:00	1018.70	360	0.0179	18.2493	0.0000	0.0000	0.0000	0.0000	0.0016	1.5981	0.0000	0.0000	0.0000	0.0000	0.0005	0.5333
			2nd Quarter (2014) Discharge Total (pounds)		**20.0490**		**0.0000**		**0.0000**				**0.0000**		**0.0128**		**0.5427**
			Total Discharged (pounds)		**869.4185**		**0.0079**		**0.0059**		**29.2029**		**0.0173**		**3.5224**		**12.5859**
			Total Discharged (tons)		**0.4347**		**0.0000**		**0.0000**		**0.0146**		**0.0000**		**0.0018**		**0.0063**
			Estimated 12 Consecutive Month Discharge (tons)**		**0.0770**		**0.0000**		**0.0000**		**0.0053**		**0.0000**		**0.0000**		**0.0024**

Notes:
*. Source area recovery wells activated on 11/28/07.
** Estimated 12 consecutive month discharge is calculated by the sum of mass removed during the last 12 months listed on the table above.
NA Sample not analyzed for this parameter

The discharge interval is the generally the interval between the collection of two samples. Samples are collected at the beginning of each month and whenever an adjustment to the system is made that might affect the discharge. The results used to calculate the discharge are from the sample collected at the beginning of each interval. For example, the August 2004 discharge was calculated using data from two discharge intervals. The first interval (August 1 - August 3) is a continuation of the July 2004 interval and uses the laboratory data for the sample collected on July 7 to calculate the discharge mass. The second interval (August 3 through August 31) used the analytical data collected from the sample collected on August 4, 2004 to calculate the discharge. Because this remediation system is removing a finite mass from the subsurface soil, the concentrations will decrease over time, therefore, the practice of using the data collected at the beginning of the discharge interval provides a conservative (biased high) estimate of the mass discharged. It is important to note that throughout the operation of this system, the concentration of PCE removed has always decreased over time unless additional extraction wells are opened to improve the effectiveness of the system. The day or two interval between system adjustment and sample collection also provides a conservative concentration value because when the system is adjusted to increase its effectiveness (i.e., additional extraction wells are brought on-line), it takes time for the effect to be fully realized.

In July 2009 ENSOORE submitted an Air Permit Modification Application to the City of Indianapolis proposing to remove the ENSOORE permitted units from the Allison Transmission, Inc. Title V Permit. In August 2009, ENSOORE received approval of the application from the City of Indianapolis which identified the units as exempt from air pollutant permit requirements.

As monthly air emission sampling is no longer a regulatory requirement (per exempt operation status letter dated August 14, 2008 from City of Indianapolis, Department of Public Works), the frequency of air stripper vapor sampling has been reduced to quarterly starting with First Quarter 2009. The sample from February 2009 was used to calculate the air emissions for March 2009.

Starting with 4th Quarter 2010 reporting, only quarterly mass removal volume will be presented.

ARCADIS

Table 14. Volume of Water Pumped and PCE Mass Removal, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014 (January 2014- June 2014)
Allison Transmission, Inc., Speedway, Indiana.

Recovery Well	Date	Volume of Water Pumped (gal)	PCE Removed (lbs)	Average PCE Concentrations (mg/L)
RW-0604-S3	July - December 2007[1]	7,557	0.000	0.000
	January - June 2008[2]	132,637	0.001	0.001
	July - December 2008[5]	159,009	0.000	0.000
	January - June 2009[6]	241,503	0.000	0.000
	July - December 2009	139,246	0.000	0.000
	January - June 2010[7]	58,316	0.000	0.000
	July - December 2010[8]	179,254	0.000	0.000
	January - June 2011[9]	266,917	0.000	0.000
	July - December 2011[12]	293,246	0.000	0.000
	January - June 2012[13]	420,512	0.000	0.000
	July - December 2012[14]	439,607	0.000	0.000
	January - June 2013[14]	390,433	0.000	0.000
	July - December 2013[15]	343,560	0.000	0.000
	January - June 2014[16]	321,430	0.000	0.000
	Cumulative Results	3,396,227	0.001	--
RW-0604-S2B	July - December 2007[1]	8,388	0.000	0.000
	January - June 2008[2]	107,650	0.000	0.000
	July - December 2008[5]	88,533	0.000	0.000
	January - June 2009[6]	201,618	0.001	0.001
	July - December 2009	60,015	0.000	0.000
	January - June 2010[7]	30,824	0.000	0.000
	July - December 2010[8]	8,767	0.000	0.000
	January - June 2011[9]	703,988	0.000	0.000
	July - December 2011[12]	54,284	0.000	0.000
	January - June 2012[13]	1,581,016	0.368	0.028
	July - December 2012[14]	504,470	0.200	0.048
	January - June 2013[14]	603,160	0.291	0.058
	July - December 2013[15]	383,230	0.214	0.067
	January - June 2014[16]	258,980	0.081	0.037
	Cumulative Results	4,594,923	1.156	--
RW-0603-S3	July - December 2007[1]	9,219	0.000	0.000*
	January - June 2008[2]	291,965	0.000	0.000
	July - December 2008[5]	225,163	0.000	0.000
	January - June 2009[6]	395,050	0.000	0.000
	July - December 2009	614,606	0.000	0.000
	January - June 2010[7]	187,640	0.000	0.000
	July - December 2010[8]	77,582	0.000	0.000
	January - June 2011[9]	439,475	0.000	0.000
	July - December 2011[12]	590,160	0.000	0.000
	January - June 2012[13]	657,810	0.000	0.000
	July - December 2012[14]	875,822	0.000	0.000
	January - June 2013[14]	586,298	0.000	0.000
	July - December 2013[15]	536,890	0.000	0.000
	January - June 2014[16]	534,200	0.000	0.000
	Cumulative Results	6,021,880	0.000	--
RW-0501-S3	July - December 2007[1]	732	0.000	0.000
	January - June 2008[2]	128,762	0.000	0.000
	July - December 2008[5]	191,460	0.000	0.000
	January - June 2009[6]	311,901	0.351	0.1
	July - December 2009	290,448	0.004	0.002
	January - June 2010[7]	92,511	0.001	0.001
	July - December 2010[8]	32,515	0.000	0.000
	January - June 2011[9]	539,575	0.000	0.000
	July - December 2011[12]	606,637	0.006	0.001
	January - June 2012[13]	744,526	0.281	0.045
	July - December 2012[14]	606,916	0.000	0.000
	January - June 2013[14]	563,774	0.000	0.000
	July - December 2013[15]	611,380	0.000	0.000
	January - June 2014[16]	480,870	0.000	0.000
	Cumulative Results	5,202,007	0.643	--

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Table 14. Volume of Water Pumped and PCE Mass Removal, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014 (January 2014- June 2014) Allison Transmission, Inc., Speedway, Indiana.

Recovery Well	Date	Volume of Water Pumped (gal)	PCE Removed (lbs)	Average PCE Concentrations (mg/L)
RW-0501-S2B	July - December 2007[1]	3,788	0.000	0.001
	January - June 2008[2]	76,003	0.308	0.486
	July - December 2008[5]	103,834	0.631	0.729
	January - June 2009[6]	160,610	0.926	0.691
	July - December 2009	307,894	3.520	1.370
	January - June 2010[7]	80,705	0.647	0.960
	July - December 2010[8]	286,550	1.487	0.622
	January - June 2011[9]	153,210	3.169	0.838
	July - December 2011[12]	78,927	0.571	0.867
	January - June 2012[13]	1,383,306	9.674	0.838
	July - December 2012[14]	783,117	7.908	1.210
	January - June 2013[14]	1,318,073	12.151	1.105
	July - December 2013[15]	1,201,640	13.217	1.318
	January - June 2014[16]	1,359,010	24.838	2.190
	Cumulative Results	7,596,667	79.048	--
RW-0602-S3	July - December 2007[1]	9,463	0.000	0.000
	January - June 2008[2]	410,288	0.000	0.000
	July - December 2008[5]	233,951	0.000	0.000
	January - June 2009[6]	414,080	0.008	0.002
	July - December 2009	666,002	0.006	0.001
	January - June 2010[7]	439,214	0.003	0.001
	July - December 2010[8]	261,597	0.000	0.000
	January - June 2011[9]	307,998	0.000	0.000
	July - December 2011[12]	358,110	0.000	0.000
	January - June 2012[13]	765,437	0.000	0.000
	July - December 2012[14]	990,629	0.000	0.000
	January - June 2013[14]	480,781	0.000	0.000
	July - December 2013[15]	543,920	0.000	0.000
	January - June 2014[16]	494,830	0.003	0.001
	Cumulative Results	6,376,300	0.019	--
RW-0602-S2/VS2B	July - December 2007[1]	10,048	0.000	0.000
	January - June 2008[2]	411,959	0.032	0.009
	July - December 2008[5]	198,912	0.000	0.000
	January - June 2009[6]	274,456	0.164	0.072
	July - December 2009	217,227	1.840	1.015
	January - June 2010[7]	51	0.000	0.695
	July - December 2010[8]	97,673	0.022	0.027
	January - June 2011[9]	473,996	0.069	0.017
	July - December 2011[12]	140,999	0.008	0.007
	January - June 2012[13]	573,851	0.000	0.000
	July - December 2012[14]	652,184	0.319	0.059
	January - June 2013[14]	1,766,446	0.835	0.057
	July - December 2013[15]	1,460,350	0.539	0.044
	January - June 2014[16]	1,238,380	0.205	0.020
	Cumulative Results	7,516,532	4.03	--
RW-0502-S2B	July - December 2007[1]	8,968	0.000	0.000
	January - June 2008[2]	210,467	0.000	0.000
	July - December 2008[5]	157,347	0.000	0.000
	January - June 2009[6]	249,254	0.000	0.000
	July - December 2009	330,586	0.000	0.000
	January - June 2010[7]	177,789	0.000	0.000
	July - December 2010[8]	108,008	0.000	0.000
	January - June 2011[9]	792,228	0.000	0.000
	July - December 2011[12]	846,583	0.071	0.010
	January - June 2012[13]	828,135	0.000	0.000
	July - December 2012[14]	1,041,835	0.000	0.000
	January - June 2013[14]	526,275	0.039	0.009
	July - December 2013[15]	377,480	0.045	0.014
	January - June 2014[16]	488,520	0.066	0.016
	Cumulative Results	6,143,475	0.221	

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Table 14. Volume of Water Pumped and PCE Mass Removal, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014 (January 2014- June 2014) Allison Transmission, Inc., Speedway, Indiana.

Recovery Well	Date	Volume of Water Pumped (gal)	PCE Removed (lbs)	Average PCE Concentrations (mg/L)
RW-1301-S2	January - June 2014[16]	342,020	0.352	0.123
	Cumulative Results	342,020	0.352	--
RW-0201-S2A	July - December 2007[1]	37	0.020	64.400
	January - June 2008[2]	13	0.010	89.800
	July - December 2008[5]	21	0.015	85.070
	January - June 2009[6]	31	0.015	58.300
	July - December 2009	0	0.000	64.300
	January - June 2010[7]	0	0.000	43.150
	July - December 2010[8]	704	0.146	24.900
	January - June 2011[11]	2,295	0.701	36.600
	July - December 2011[12]	419	0.155	44.300
	January - June 2012[13]	298	0.065	26.100
	July - December 2012[14]	27,980	7.122	30.500
	January - June 2013[14]	802	0.145	21.663
	July - December 2013[15]	31	0.006	22.663
	January - June 2014[16]	0	0.000	31.150
	Cumulative Results	32,632	8.40	
RW-0202-S2A	July - December 2007[1]	35	0.048	164.000
	January - June 2008[2]	615	0.847	165.000
	July - December 2008[5]	121	0.142	140.500
	January - June 2009[6]	13	0.013	118.000
	July - December 2009	524	0.340	77.850
	January - June 2010[7]	0	0.000	55.800
	July - December 2010[8]	794	0.184	27.700
	January - June 2011[10]	2,923	0.155	6.350
	July - December 2011[12]	1,787	0.218	14.600
	January - June 2012[13]	296	0.056	22.700
	July - December 2012[14]	29,978	1.243	4.970
	January - June 2013[14]	1,144	0.139	14.590
	July - December 2013[15]	22	0.004	22.733
	January - June 2014[16]	675	0.137	24.350
	Cumulative Results	38,927	3.53	--
RW-0203-S2A	July - December 2007[1]	21,167	15.209	86.100
	January - June 2008[2]	227,507	119.044	62.700
	July - December 2008[5]	77,739	70.391	108.500
	January - June 2009[6]	318,415	140.969	53.050
	July - December 2009	900,353	266.364	35.450
	January - June 2010[7]	124,042	26.086	25.200
	July - December 2010[8]	150,347	13.551	10.800
	January - June 2011[10]	104,150	27.031	31.100
	July - December 2011[12]	74,210	16.907	27.300
	January - June 2012[13]	145,803	36.017	29.600
	July - December 2012[14]	67,451	0.231	0.410
	January - June 2013[14]	267	0.002	0.930
	July - December 2013[15]	119	0.010	9.827
	January - June 2014[16]	133	0.036	32.950
	Cumulative Results	2,211,703	732	--
RW-0204-S2A/ RW-0205-S2A	July - December 2007[1]	31,157	15.887	61.100
	January - June 2008[2]	154,128	53.444	41.550
	July - December 2008[5]	81,385	58.206	85.700
	January - June 2009[6]	179,426	78.088	52.150
	July - December 2009	190,481	72.646	45.700
	January - June 2010[7]	269,075	87.576	39.000
	July - December 2010[8]	1,534	0.280	21.900
	January - June 2011[10]	6,762	2.093	37.100
	July - December 2011[12]	21,909	7.277	39.800
	January - June 2012[13]	42,115	5.202	14.800
	July - December 2012[14]	30,478	0.199	0.784
	January - June 2013[14]	79	0.001	1.275
	July - December 2013[15]	20	0.002	11.147
	January - June 2014[16]	1	0.000	34.500
	Cumulative Results	1,008,550	381	--

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Table 14. Volume of Water Pumped and PCE Mass Removal, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014 (January 2014- June 2014) Allison Transmission, Inc., Speedway, Indiana.

Recovery Well	Date	Volume of Water Pumped (gal)	PCE Removed (lbs)	Average PCE Concentrations (mg/L)
RW-0605-S3	July - December 2007[1]	49	0.036	87.400
	January - June 2008[2]	1,209	0.694	68.800
	July - December 2008[5]	219,899	119.743	65.250
	January - June 2009[6]	71,027	34.646	58.450
	July - December 2009	168,745	50.204	35.650
	January - June 2010[7]	789,425	215.759	32.750
	July - December 2010[8]	669	0.121	21.700
	January - June 2011[11]	2,315	0.161	8.330
	July - December 2011[12]	160,187	20.721	15.500
	January - June 2012[13]	111,736	7.059	7.570
	July - December 2012[14]	343,752	0.706	0.246
	January - June 2013[14]	548,755	1.027	0.224
	July - December 2013[15]	340,814	1.742	0.612
	January - June 2014[16]	300,000	2.094	0.837
	Cumulative Results	3,050,581	455	--

Total Volume of Water Pumped[3] =	**53,540,423 gal**
Average Gallons/Day Pumped[4] =	**24,100 gal**
Total PCE Removed (lbs)[3] =	**1,664.9 lbs**
Total PCE Removed (gal) [3] =	**122.8 gal**
Total PCE Removed for Current Time Period =	**27.8 lbs**
Total PCE Removed for Current Time Period =	**2.0 gal**

Notes:

Values presented above are estimates. Flowmeters for individual wells are not calibrated annually. Additionally, due to low flow rates, the appropriately sized flow meters are small diameter, therefore small flow meter orifices, which are prone to fouling, which stops data collection until cleaning. Therefore, the values presented are typically under-reporting the total volume of fluids processed.

1.) VOC concentrations reported for samples collected on 12/12/07.
2.) Average VOC concentration is calculated using VOC concentrations reported for samples collected on 3/4/08 and 6/3/08.
3.) Between 11/5/03 and 2/15/05, approximately 38,868 gallons of water and approximately 60.87 lbs of PCE were removed (primarily from RW-0202-S2A) - value does not include data prior to 2007.

The system was upgraded and restarted in November 2007. Data presented is based on individual well flowmeters which have historically underrepresented total flow (due to flowmeter fouling,etc.)

4.) Average gallons/day pumped since system restarted in November 2007.
5.) Average VOC concentration is calculated using VOC concentrations reported for samples collected on 8/11/08 and 11/3/2008.
6.) Average VOC concentration is calculated using VOC concentrations reported for samples collected on 02/10/09 and 06/16/09. *Analytical data collected 1/25/2008 for RW-0603-S2B.
7.) Average VOC concentration is calculated using VOC concentrations reported for samples collected on11/16/09 and 06/08/10.
8.) Estimated VOC concentration is calculated using VOC concentrations reported for samples collected on 06/08/10.
9.) Estimated VOC concentration is calculated using VOC concentrations reported for samples collected on 01/07/11.
10.) Estimated VOC concentration is calculated using VOC concentrations reported for samples collected on 01/21/11.
11.) Estimated VOC concentration is calculated using VOC concentrations reported for samples collected on 03/18/11.
12.) Estimated VOC concentration is calculated using VOC concentrations reported for samples collected on 09/07/11.
13.) Estimated VOC concentration is calculated using VOC concentrations reported for samples collected on 05/17/12.
14.) Estimated VOC concentration is calculated using VOC concentrations reported for samples collected on 10/08/12.
15.) Estimated VOC concentration is calculated using VOC concentrations reported for samples collected on 11/13/13.
16.) Estimated VOC concentration is calculated using VOC concentrations reported for samples collected on 2/27/14 and 6/9/14, except in the case of RW-1301-S2 (which was also sampled a third time on 01/22/14).

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Table 15. Transmission Test Assembly Monitoring Well Absorbent Sock Change-Out Log for 2003-June 2014. Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014 (January 2014 - June 2014), Allison Transmission, Inc., Speedway, Indiana.

Date	Monitoring Wells							Cumulative Hydrocarbons Recovered[5]
	MW-0111-S2[1]	MW-0203-S2A[1]	MW-0205-S2A[1]	MW-0206-S2A	MW-0207-S2B	MW-0208-S2A	MW-0401-S2B	
1/21/2003	NM	NM	NM	NM	NM	NM	--	0.00
2/26/2003	100% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	NM	NM	NM	--	0.90
3/26/2003	NM	NM	NM	NM	NM	NM	--	0.90
4/22/2003	NM	NM	NM	NM	NM	NM	--	0.90
5/13/2003, 5/22/2003	100% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	--	1.80
6/20/2003	Not Saturated	Not Saturated	100% saturated, sock changed-out	NM	NM	NM	--	2.10
7/31/03, 8/1/2003	Not Saturated	Not Saturated	100% saturated, sock changed-out	NM	NM	NM	--	2.40
9/18/2003[3]	100% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	NM	NM	NM	--	3.30
10/21/2003	80% saturated, sock changed-out	80% saturated, sock changed-out	100% saturated, sock changed-out	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	--	4.08
11/13/2003	10% saturated, sock changed-out	75% saturated, sock changed-out	100% saturated, sock changed-out	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	--	4.64
12/17/2003	90% saturated, sock changed-out	100% saturated, sock changed-out	90% saturated, sock changed-out	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	--	5.48
Hydrocarbons Recovered[5] 2003 (gal)	**1.44**	**1.67**	**2.37**	**0.00**	**0.00**	**0.00**	**0.00**	**5.48**
1/21/2004	Not Saturated	Not Saturated	100% saturated, sock changed-out	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	--	0.30
2/24/2004	10% saturated	10% saturated	100% saturated, sock changed-out	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	0.60
3/23/2004	30% saturated	30% saturated	100% saturated, sock changed out	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	0.90
4/23/2004	50% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	1.65
5/19/20046	sock removed for sampling	sock removed for sampling	sock removed for sampling	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	1.65
6/24/2004	sock installed	sock installed	sock installed	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	1.65
7/26/2004	10% saturated	10% saturated	100% saturated, sock changed-out	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	1.95
8/31/2004	20% saturated	100% saturated, sock changed-out	80% saturated, sock changed-out	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	2.49
9/30/2004	20% saturated	40% saturated	100% saturated, sock changed-out	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	2.79
10/28/2004	20% saturated	80% saturated, sock changed-out	100% saturated, sock changed-out	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	3.33
11/24/2004	20% saturated	80% saturated sock changed-out	100% saturated, sock changed-out	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	3.87
12/7/2004	20% saturated	10% saturated	100% saturated, sock changed-out	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	4.17
Hydrocarbons Recovered[5] 2004 (gal)	**0.15**	**1.08**	**2.94**	**0.00**	**0.00**	**0.00**	**0.00**	**4.17**
1/31/2005	25% saturated	75% saturated, sock changed-out	100% saturated, sock changed-out	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	0.53
2/24/2005	25% saturated	25% saturated	100% saturated, sock changed-out	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	0.83
3/29/2005	30% saturated	25% saturated	100% saturated, sock changed-out	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	1.13
4/28/2005	30% saturated	30% saturated	100% saturated, sock changed-out	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	1.43
5/31/2005	50% saturated, sock changed out	30% saturated	100% saturated, sock changed out	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	1.88
6/30/2005	10% saturated	30% saturated	100% saturated, sock changed out	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	2.18
7/29/2005	40% saturated	70% saturated, sock changed-out	70% saturated, sock changed-out	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	2.60
8/31/2005	40% saturated	25% saturated	100% saturated, sock changed-out	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	2.90
9/30/2005	50% saturated, sock changed-out	50% saturated, sock changed-out	100% saturated, sock changed-out	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	3.50
10/31/2005	100% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	4.40
11/29/2005	75% saturated, sock changed-out	75% saturated, sock changed-out	75% saturated, sock changed-out	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	5.07

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Table 15. Transmission Test Assembly Monitoring Well Absorbent Sock Change-Out Log for 2003-June 2014. Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014 (January 2014 - June 2014), Allison Transmission, Inc., Speedway, Indiana.

Date	Monitoring Wells							Cumulative Hydrocarbons Recovered[5]
	MW-0111-S2[1]	MW-0203-S2A[1]	MW-0205-S2A[1]	MW-0206-S2A	MW-0207-S2B	MW-0208-S2A	MW-0401-S2B	
12/22/2005	100% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	5.97
Hydrocarbons Recovered[5] 2005 (gal)	**1.13**	**1.41**	**3.44**	**0.00**	**0.00**	**0.00**	**0.00**	**5.97**
1/31/2006	100% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	0.90
2/28/2006	50% saturated	25% saturated	100% saturated, sock changed-out	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	1.20
3/30/2006	75% saturated, sock changed-out	30% saturated, sock changed-out	50% saturated, sock changed-out	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	1.67
4/28/2006	25% saturated	50% saturated	75% saturated, sock changed-out	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	1.89
5/30/2006	50% saturated	75% saturated, sock changed-out	100% saturated, sock changed-out	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	2.42
6/26/2006	75% saturated, sock changed-out	10% saturated, sock changed-out	25% saturated, sock changed-out	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	2.75
8/16/2006	--	--	--	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	2.75
8/29/2006	--	10% saturated	5% saturated	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	2.75
9/26/2006	50% saturated, sock changed out	20% saturated	15% saturated	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	2.90
10/18/2006	10% saturated	no LNAPL present in well	100% saturated, sock changed-out	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	3.20
11/23/2006	5% saturated	1% saturated	10% saturated	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	3.20
12/18/2006	10% saturated	10% saturated	10% saturated	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	3.20
Hydrocarbons Recovered[5] 2006 (gal)	**0.90**	**0.65**	**1.65**	**0.00**	**0.00**	**0.00**	**0.00**	**3.20**
1/16/2007	70% saturated, sock changed-out	10% saturated	5% saturated	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	0.21
2/22/2007	35% saturated	20% saturated	15% saturated	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	0.21
3/20/2007	30% saturated	20% saturated	20% saturated, sock changed-out	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	0.27
4/24/2007	30% saturated	35% saturated, sock changed-out	5% saturated	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	0.38
5/17/2007	50% saturated, sock changed-out	5% saturated	10% saturated	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	0.53
6/26/2007	40% saturated	25% saturated	20% saturated	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	0.53
7/24/2007	NM	NM	NM	NM	NM	NM	NM	0.53
8/20/2007	NM	NM	NM	NM	NM	NM	NM	0.53
9/20/2007	NM	NM	NM	NM	NM	NM	NM	0.53
10/22/2007	NM	NM	NM	NM	NM	NM	NM	0.53
11/15/2007	NM	NM	NM	NM	NM	NM	NM	0.53
12/13/2007	10% saturated	5% saturated	80% saturated, sock changed-out	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	0.77
Hydrocarbons Recovered[5] 2007 (gal)	**0.36**	**0.11**	**0.30**	**0.00**	**0.00**	**0.00**	**0.00**	**0.77**
1/18/2008	no LNAPL present in well	25% saturated, sock changed-out	100% saturated, sock changed-out	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	0.38
5/7/2008	no LNAPL present in well	10% saturated	25% saturated	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	0.38
9/16/2008	10% saturated	90% saturated, sock changed-out	90% saturated, sock changed-out	NM	NM	NM	NM	0.92
12/10/2008	10% saturated, sock changed-out	no LNAPL present in well	5% saturated, sock changed-out	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	0.96
Hydrocarbons Recovered[5] 2008 (gal)	**0.03**	**0.35**	**0.59**	**0.00**	**0.00**	**0.00**	**0.00**	**0.96**
4/5/2009	0% saturated, sock not changed-out	no LNAPL present in well	0% saturated, sock changed out	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	0.00
9/25/2009	0% saturated, sock not changed-out	no LNAPL present in well	100% saturated, 100% saturated, sock changed out, reinstalled 2 socks	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	0.60
11/2/2009	0% saturated, sock changed-out	no LNAPL present in well	100% saturated, 50% saturated, sock changed out, reinstalled 2 socks	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	no LNAPL present in well	1.05

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Table 15. Transmission Test Assembly Monitoring Well Absorbent Sock Change-Out Log for 2003-June 2014. Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014 (January 2014 - June 2014), Allison Transmission, Inc., Speedway, Indiana.

Date	Monitoring Wells							Cumulative Hydrocarbons Recovered[5]
	MW-0111-S2[1]	MW-0203-S2A[1]	MW-0205-S2A[1]	MW-0206-S2A	MW-0207-S2B	MW-0208-S2A	MW-0401-S2B	
12/18/2009	0% saturated, sock not changed-out	NM	NM	NM	NM	NM	NM	1.05
Hydrocarbons Recovered[5] 2009 (gal)	**0.00**	**0.00**	**1.05**	**0.00**	**0.00**	**0.00**	**0.00**	**1.05**
1/14/2010	0% saturated, sock not changed-out	NM	100% saturated, 100% saturated, sock changed out, reinstalled 2 socks	NM	NM	NM	NM	0.60
2/22/2010	0% saturated, sock not changed-out	NM	100% saturated, 100% saturated, sock changed out, reinstalled 2 socks	NM	NM	NM	NM	1.20
3/23/2010	50% saturated, sock changed-out	NM	100% saturated, 0% saturated, sock changed out, reinstalled 2 socks	NM	NM	NM	NM	1.65
5/24/2010	50% saturated, sock changed-out	NM	100% saturated, 50% saturated, sock changed out, reinstalled 2 socks	NM	NM	NM	NM	2.25
7/14/2010	50% saturated	NM	100% saturated, 30% saturated	NM	NM	NM	NM	2.79
10/8/2010	25% saturated, sock changed-out	NM	100% saturated, 50% saturated, sock changed out, reinstalled 2 socks	NM	NM	NM	NM	3.32
11/18/2010	No sock in well	NM	100% saturated, 100% saturated, sock changed out, reinstalled 2 socks	NM	NM	NM	NM	3.92
12/2/2010	No sock in well, installed 1 sock	NM	100% saturated, 100% saturated, sock changed out, reinstalled 2 socks	NM	NM	NM	NM	4.52
Hydrocarbons Recovered[5] 2010 (gal)	**0.53**	**0.00**	**3.99**	**0.00**	**0.00**	**0.00**	**0.00**	**4.52**
1/6/2011	20% saturated with water, sock not replaced	NM	100% saturated, 100% saturated, sock changed out, reinstalled 2 socks	NM	NM	NM	NM	0.26
2/16/2011	20% saturated with water, sock not replaced	NM	100% saturated, 100% saturated, sock changed out, reinstalled 2 socks	NM	NM	NM	NM	0.52
3/7/2011	100% saturated with water, sock replaced	NM	100% saturated, 100% saturated, sock changed out, reinstalled 2 socks	NM	NM	NM	NM	0.91
4/4/2011	20% saturated, sock not replaced	No sock in well	100% saturated, 100% saturated, sock changed out, reinstalled 2 socks	No sock in well	No sock in well	No sock in well	No sock in well	1.17
5/6/2011	100% saturated, sock replaced	NM	100% saturated, 100% saturated, sock changed out, reinstalled 2 socks	NM	NM	NM	NM	1.56
6/3/2011	NM	NM	NM	NM	NM	NM	NM	1.56
7/11/2011	20% saturated with water, sock not replaced	NM	100% saturated, 75% saturated, sock changed out, reinstalled 2 socks	NM	NM	NM	NM	1.79
8/1/2011	60% saturated, sock replaced	NM	100% saturated, 100% saturated, sock changed out, reinstalled 2 socks	NM	NM	NM	NM	2.15
11/4/2011	0% saturated, sock not changed-out	NM	0% saturated, sock not changed-out	NM	NM	NM	NM	2.15
11/28/2011	60% saturated, sock changed-out	NM	100% saturated, 100% saturated, sock changed out, reinstalled 2 socks	NM	NM	NM	NM	2.49
Hydrocarbons Recovered[r] 2011 (gal)	**0.44**	**0.00**	**2.05**	**0.00**	**0.00**	**0.00**	**0.00**	**2.49**
1/4/2012	0% saturated, sock not changed-out	NM	100% saturated, 100% saturated, sock changed-out, reinstalled 2 socks	NM	NM	NM	NM	0.26

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Table 15. Transmission Test Assembly Monitoring Well Absorbent Sock Change-Out Log for 2003-June 2014. Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2014 (January 2014 - June 2014), Allison Transmission, Inc., Speedway, Indiana.

Date	Monitoring Wells							Cumulative Hydrocarbons Recovered[5]
	MW-0111-S2[1]	MW-0203-S2A[1]	MW-0205-S2A[1]	MW-0206-S2A	MW-0207-S2B	MW-0208-S2A	MW-0401-S2B	
2/7/2012	20% saturated, sock not changed-out	NM	100% saturated, 100% saturated, sock changed-out, reinstalled 2 socks	NM	NM	NM	NM	0.52
4/30/2012	50% saturated, sock changed-out	NM	100% saturated, 100% saturated, sock changed-out, reinstalled 2 socks	NM	NM	NM	NM	0.85
8/26/2012	80% saturated, sock changed-out	NM	100% saturated, 80% saturated, sock changed-out reinstalled 2 socks	NM	NM	NM	NM	1.18
11/14/2012	40% saturated, sock changed-out	NM	100% saturated, 100% saturated, sock changed-out, reinstalled 2 socks	NM	NM	NM	NM	1.50
Hydrocarbons Recovered[7] 2012 (gal)	**0.22**	**0.00**	**1.27**	**0.00**	**0.00**	**0.00**	**0.00**	**1.50**
2/18/2013	100% saturated, sock changed-out	NM	100% saturated, sock changed-out	NM	NM	NM	NM	0.26
3/22/2013	50% saturated, sock changed-out	NM	100% saturated, 100% saturated, socks changed-out	NM	NM	NM	NM	0.59
6/12/2013	NM	NM	100% saturated sock, & bailed 1.5 gallons.	NM	NM	NM	NM	2.22
9/6/2013	30% saturated, sock changed out	NM	100% & 100% saturated sock	NM	NM	NM	NM	2.51
11/19/2013	0% saturated, socck not changed	NM	100% & 100% saturated sock	NM	NM	NM	NM	2.77
Hydrocarbons Recovered[7] 2013 (gal)	**0.23**	**0.00**	**2.54**	**0.00**	**0.00**	**0.00**	**0.00**	**2.77**
3/14/2014	80% saturated, sock changed-out	NM	100% saturated, 100% saturated, socks changed-out	NM	NM	NM	NM	0.36
5/1/2014	25% saturated, sock not changed-out	NM	100% saturated, socks changed-out	NM	NM	NM	NM	0.49
Hydrocarbons Recovered[7] 2014 (gal)	**0.10**	**0.00**	**0.39**	**0.00**	**0.00**	**0.00**	**0.00**	**0.49**

Total Hydrocarbons Recovered (gallons) 33.35

Notes:
LNAPL = Light non-aqueous phase liquid.
NM = not measured.
1.) List of all monitoring wells containing absorbent socks in Transmission Test Cell Area.
2.) Monitoring well socks checked on a semi-annual basis (Effective second half 2007).
3.) Began noting absorbent sock % of LNAPL saturation (if less than 100%).
5.) According to the manufacturer, 12 ounces of the polymer contained in the absorbent socks absorbs approximately a half gallon of hydrocarbon.
The monitoring well socks used contain approximately six to eight ounces of polymer each. Therefore, on average, each monitoring well socks contains: 0.3 gallons hydrocarbons.
6.) Socks removed prior to semi-annual groundwater sampling, however, no record of percent of LNAPL saturation. Socks reinstalled in April during O&M.
7.) Per vendor website the monitoring well socks (SKM 401 (1.5" by 18")) used contain approximately seventeen fluid ounces of polymer each. Therefore, on average, each monitoring well sock contains: 0.13 gallons hydrocarbons.

FIGURES

SYMBOLS

MW-0517-S1	S1 MONITORING WELL
MW-0517-S2	S2 MONITORING WELL
MW-0517-S3	S3 MONITORING WELL
MW-0517-S4	S4 MONITORING WELL
RW-0201-S2	S2 RECOVERY WELL
RW-0201-S3	S3 RECOVERY WELL
SS-84-1001	PIEZOMETER MONITORING WELL
MW-0517-S1	ABANDONED MONITORING WELL
MW-0517-S1	DESTROYED MONITORING WELL
BW9	DIESEL FUEL PLUME RECOVERY WELL
OSBW-3	ABANDONED DIESEL FUEL RECOVERY WELL
	PROPERTY BOUNDARY
	BUILDING OUTLINE
AOI 40	AREA OF INTEREST

SAMPLE LOCATION

	MW 0630 S3			
	10/9/2007	5/15/2008	10/29/2008	1/14/2014
	PDB	PDB	PDB	PDB
	mg/l	mg/l	mg/l	mg/l
	Groundwater	Groundwater	Groundwater	Groundwater
1,1-Dichloroethene	0.005 U	0.005 U	0.005 U	0.005 U
Carbon Tetrachloride	0.005 U	0.005 U	0.005 U	0.005 U
cis-1,2-Dichloroethene	0.0128	0.0058	0.005 U	0.006
Tetrachloroethene	0.005 U	0.005 UJ	0.005 U	0.005 U
trans-1,2-Dichloroethene	0.005 U	0.005 U	0.005 U	0.005 U
Trichloroethene	0.005 U	0.005 U	0.005 U	0.005 U
Vinyl Chloride	0.0031	0.002 U	0.002 U	0.002 U

SAMPLE DATE
SAMPLING METHOD
UNITS
MATRIX
DATA QUALIFIER
RESULTS
ANALYTICAL PARAMETER

RESULTS EXCEEDING DRINKING WATER CRITERIA ARE HIGHLIGHTED IN GRAY

DEFINITIONS

S1 Saturated or Unsaturated Sand Unit encountered from 1 to 16 feet below ground surface (BGS) with a clay underneath and where saturated, it is considered perched.
S1 ranges in thickness from 4 to 7.4 feet.

S2 Saturated Sand Unit ranges in thickness of 2 to 16.8 (ft).

S2 may be subdivided into units S2A or S2B if a clay is present that divides the S2 unit.

S2A is encountered from 13 to 33 feet BGS and ranges in thickness from 3 to 13 feet.
S2B is encountered from 25 to 48 feet BGS and ranges in thickness from 2.4 to 11.4 feet.
If S2B is present, then the saturated unit above the till is named S2A.
If S2B is not present, then the saturated unit above the till is named S2.

S3 Saturated Sand Unit typically encountered from 37 to 72 feet BGS and ranges in thickness from 2 to 21 feet.

S4 Saturated Sand Unit typically encountered from 93 to 106 feet BGS and ranges in thickness from 2.6 to 11.2 feet.

T Saturated Till Unit encountered at 32 feet BGS at monitoring well MW-0204-T.
1 to 16.5 feet below ground surface (BGS) with a clay underneath and where saturated, it is considered perched.

NOTES

695.17 GROUNDWATER ELEVATION (FEET ABOVE MEAN SEA LEVEL)
696.76* GROUNDWATER ELEVATION ADJUSTED BASED ON LNAPL PRESENT
POTENTIOMETRIC SURFACE (1 FT CONTOUR INTERVAL)
NM NOT MEASURED
SURFACE WATER GAUGING LOCATION

DATABOX INFORMATION

NS - Not analyzed for the specific constituent.

Water Analytical Results (mg/L)

The chemical list includes VOCs with detected concentrations that exceeded the drinking water criteria in the last two years of monitoring and trans-1,2-dichloroethene. Drinking water criteria are based on the following hierarchy: state MCL, federal MCL, RSL Tap Water Ingestion value from November 2013 at the lower of the criteria calculated at either the target cancer risk of 10-5 or target hazard quotient of 1. Groundwater and borehole water concentrations greater than drinking water criteria are marked as an exceedance to be highlighted on the databox figure.

DATA QUALIFIERS

R - Rejected
U - Analyte/Compound was analyzed for but not detected.
J - Quantitation limit qualified as estimate.

GENERAL MOTORS LLC
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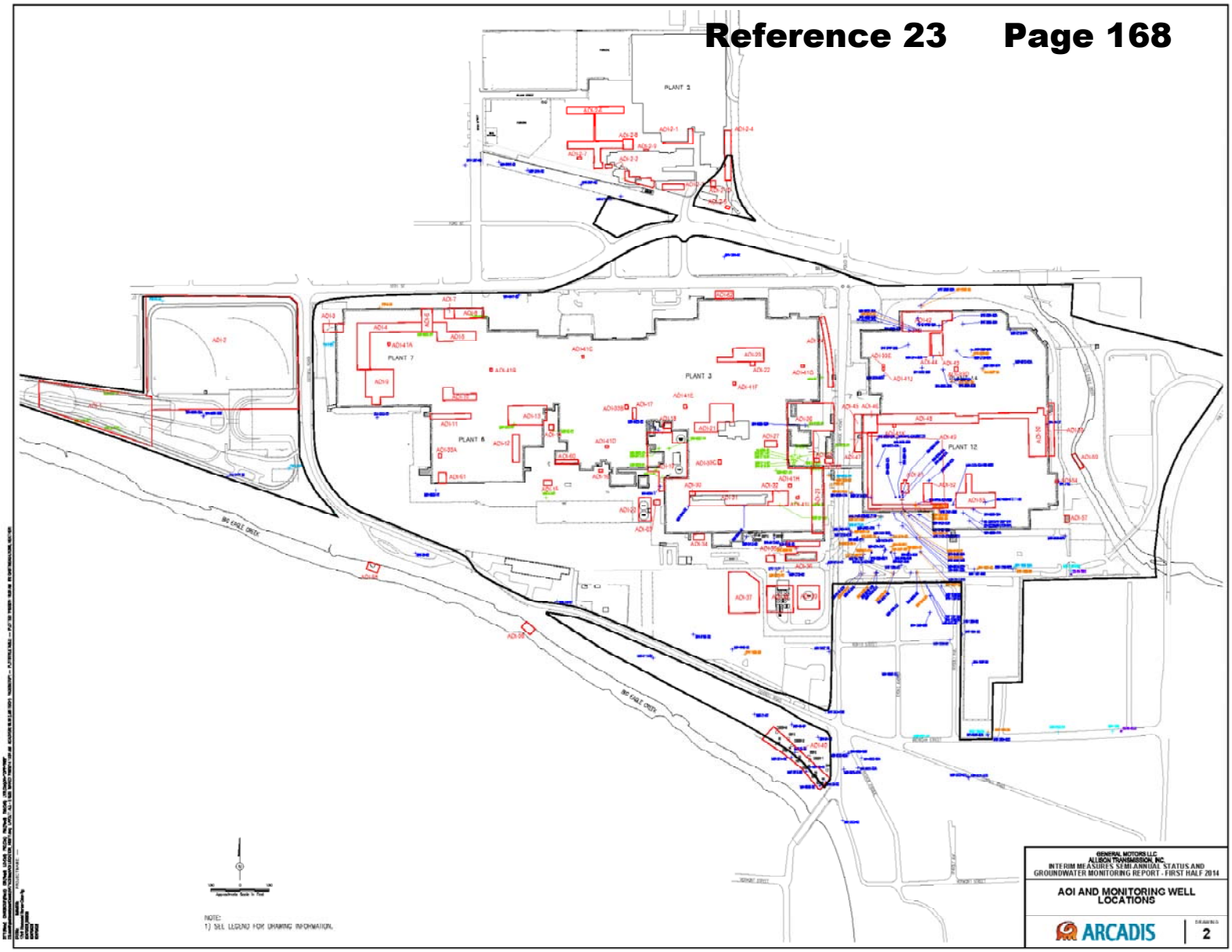
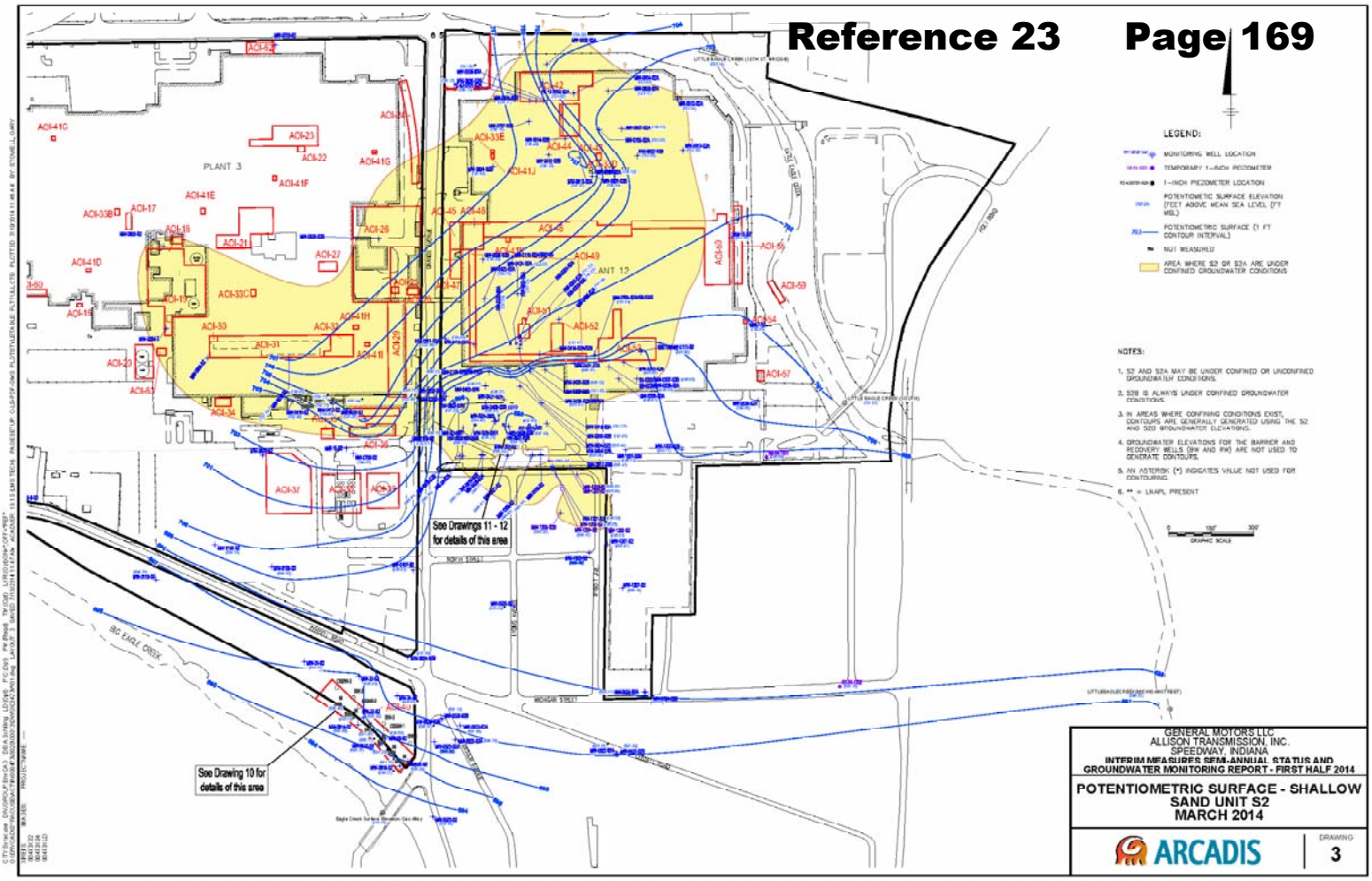
SPEEDWAY, INDIANA
INTERIM MEASURES SEMI-ANNUAL STATUS AND GROUNDWATER MONITORING REPORT - FIRST HALF 2014

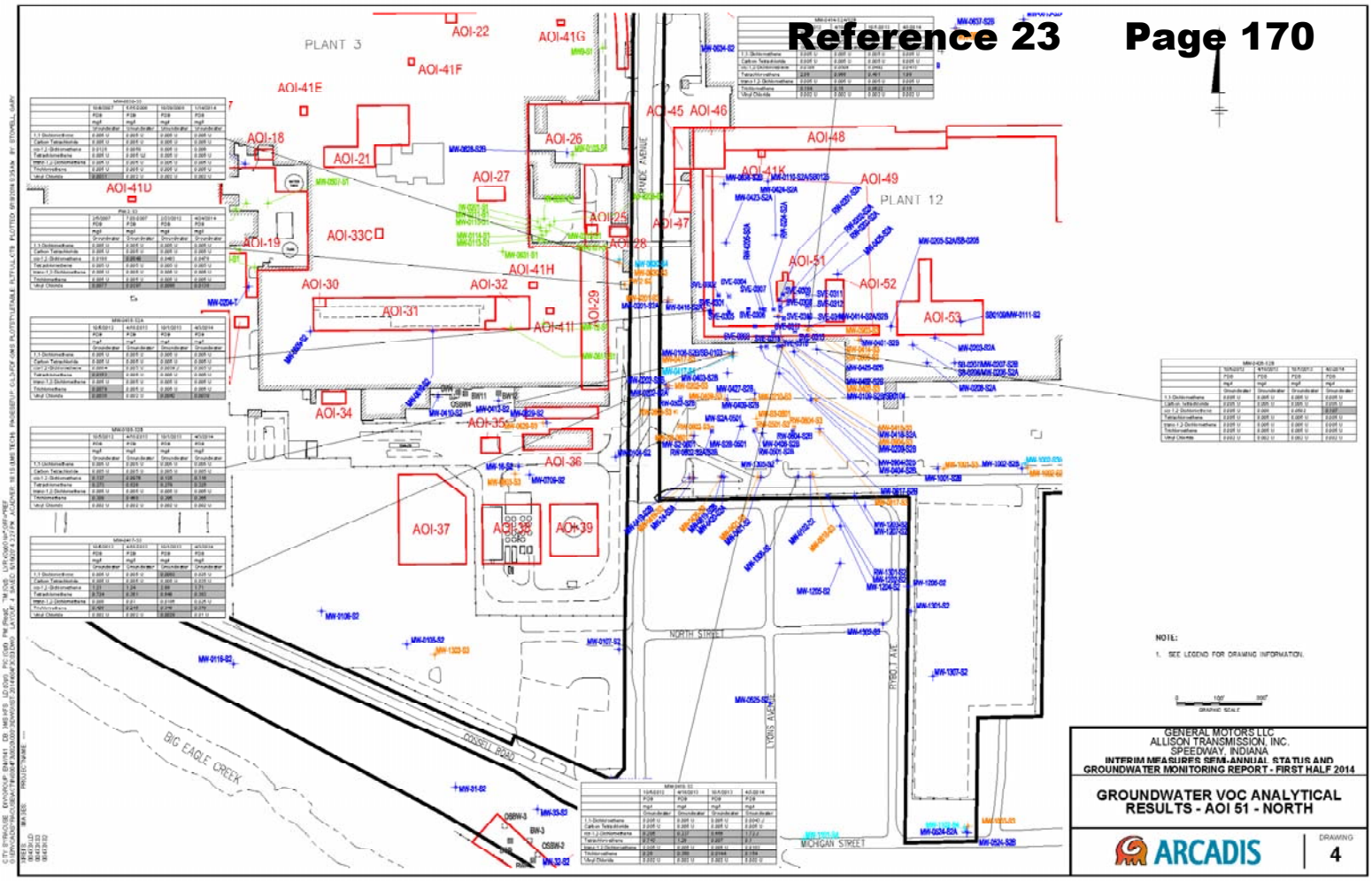
LEGEND

ARCADIS

DRAWING 1


PLANT 1
PLANT 3
PLANT 6
PLANT 7
PLANT 12
BIG EAGLE CREEK
NOTE:
1) SEE LEGEND FOR DRAWING INFORMATION.
GENERAL MOTORS LLC
ALLISON TRANSMISSION, INC.
INTERIM MEASURES SEMI-ANNUAL STATUS AND GROUNDWATER MONITORING REPORT - FIRST HALF 2014
AOI AND MONITORING WELL LOCATIONS
ARCADIS
2


LEGEND:
MONITORING WELL LOCATION
TEMPORARY 1-INCH PIEZOMETER
1-INCH PIEZOMETER LOCATION
POTENTIOMETRIC SURFACE ELEVATION (FEET ABOVE MEAN SEA LEVEL (FT MSL))
POTENTIOMETRIC SURFACE (1 FT CONTOUR INTERVAL)
NOT MEASURED
AREA WHERE S2 OR S2A ARE UNDER CONFINED GROUNDWATER CONDITIONS
NOTES:
1. S2 AND S2A MAY BE UNDER CONFINED OR UNCONFINED GROUNDWATER CONDITIONS.
2. S2B IS ALWAYS UNDER CONFINED GROUNDWATER CONDITIONS.
3. IN AREAS WHERE CONFINING CONDITIONS EXIST, CONTOURS ARE GENERALLY GENERATED USING THE S2 AND S2B GROUNDWATER ELEVATIONS.
4. GROUNDWATER ELEVATIONS FOR THE BARRIER AND RECOVERY WELLS (BW AND RW) ARE NOT USED TO GENERATE CONTOURS.
5. AN ASTERISK (*) INDICATES VALUE NOT USED FOR CONTOURING.
6. ** = LNAPL PRESENT
GRAPHIC SCALE
PLANT 3
ANT 12
See Drawings 11 - 12 for details of this area
See Drawing 10 for details of this area
BIG EAILE CREEK
GENERAL MOTORS LLC
ALLISON TRANSMISSION, INC.
SPEEDWAY, INDIANA
INTERIM MEASURES SEMI-ANNUAL STATUS AND GROUNDWATER MONITORING REPORT - FIRST HALF 2014
POTENTIOMETRIC SURFACE - SHALLOW SAND UNIT S2
MARCH 2014
ARCADIS
DRAWING
3


PLANT 3
PLANT 12
AOI-18
AOI-21
AOI-41U
AOI-19
AOI-33C
AOI-41E
AOI-41F
AOI-22
AOI-41G
AOI-26
AOI-27
AOI-25
AOI-28
AOI-45 AOI-46
AOI-48
AOI-41K
AOI-49
AOI-47
AOI-51
AOI-52
AOI-53
AOI-41H
AOI-30
AOI-32
AOI-31
AOI-41I
AOI-29
AOI-34
AOI-35
AOI-36
AOI-37
AOI-38
AOI-39
PRIDE AVENUE
NORTH STREET
LYONS AVENUE
RYBOLT AVE
MICHIGAN STREET
COSSELL ROAD
BIG EAGLE CREEK
NOTE:
1. SEE LEGEND FOR DRAWING INFORMATION.
GENERAL MOTORS LLC
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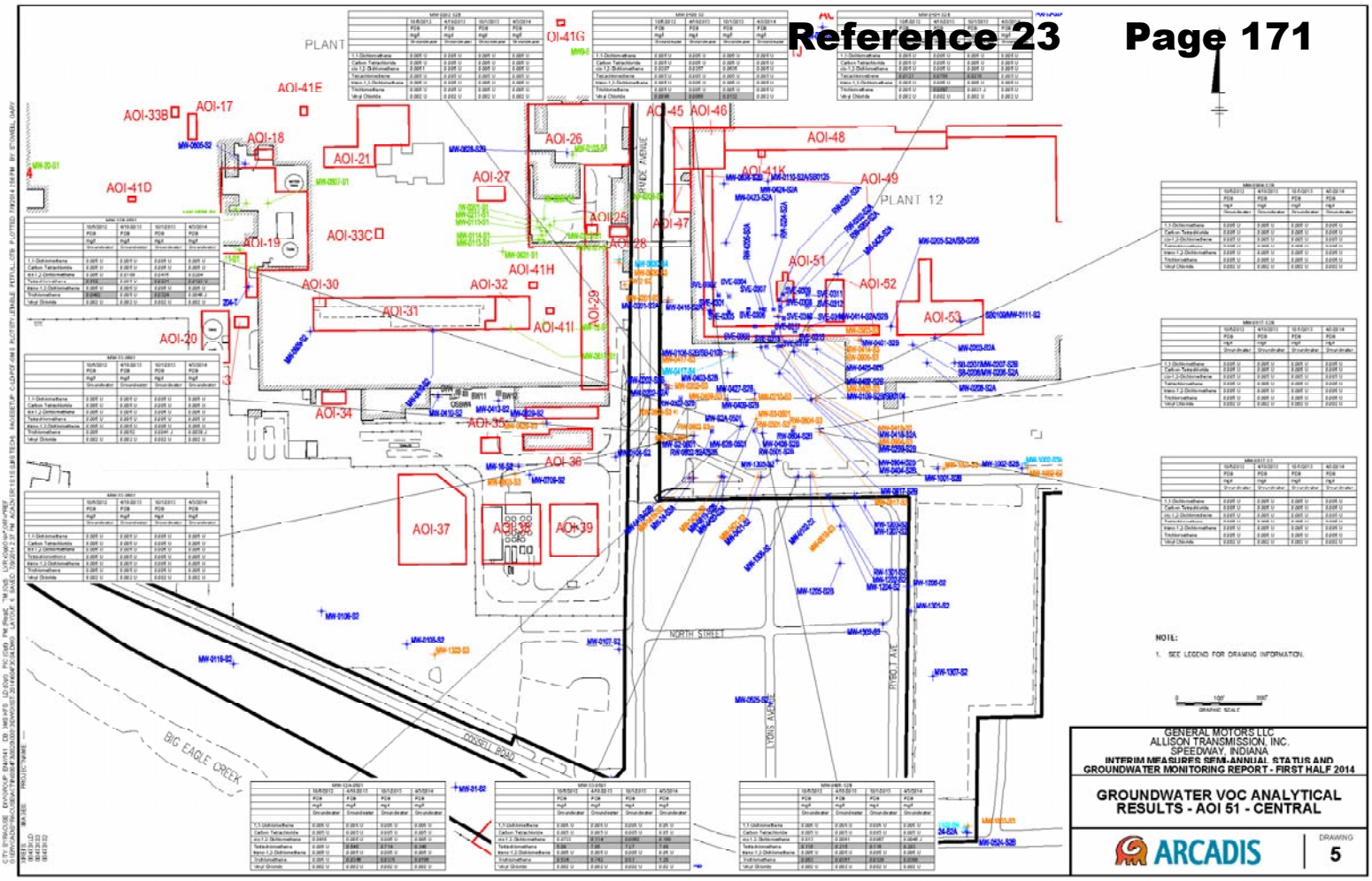
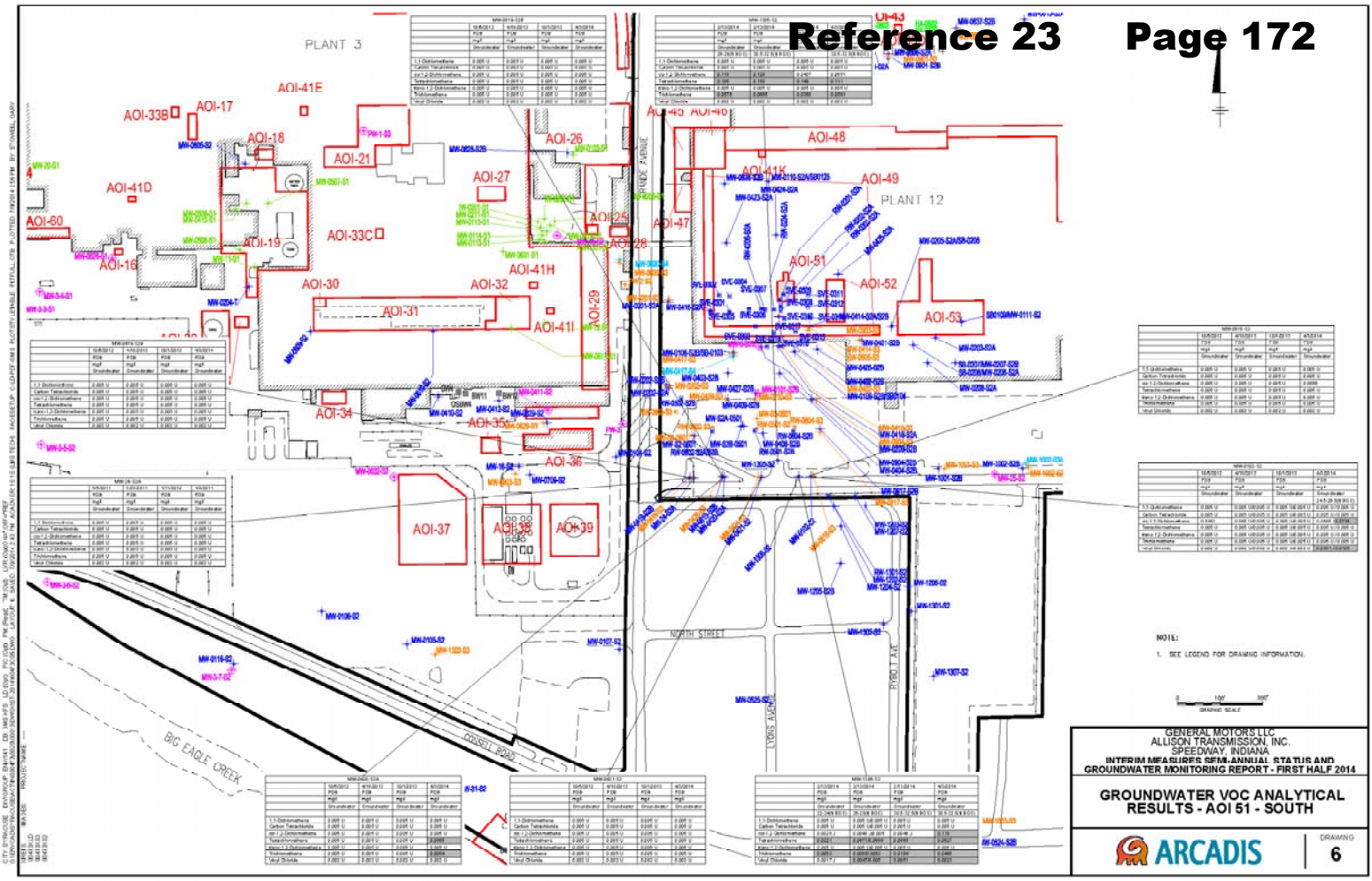
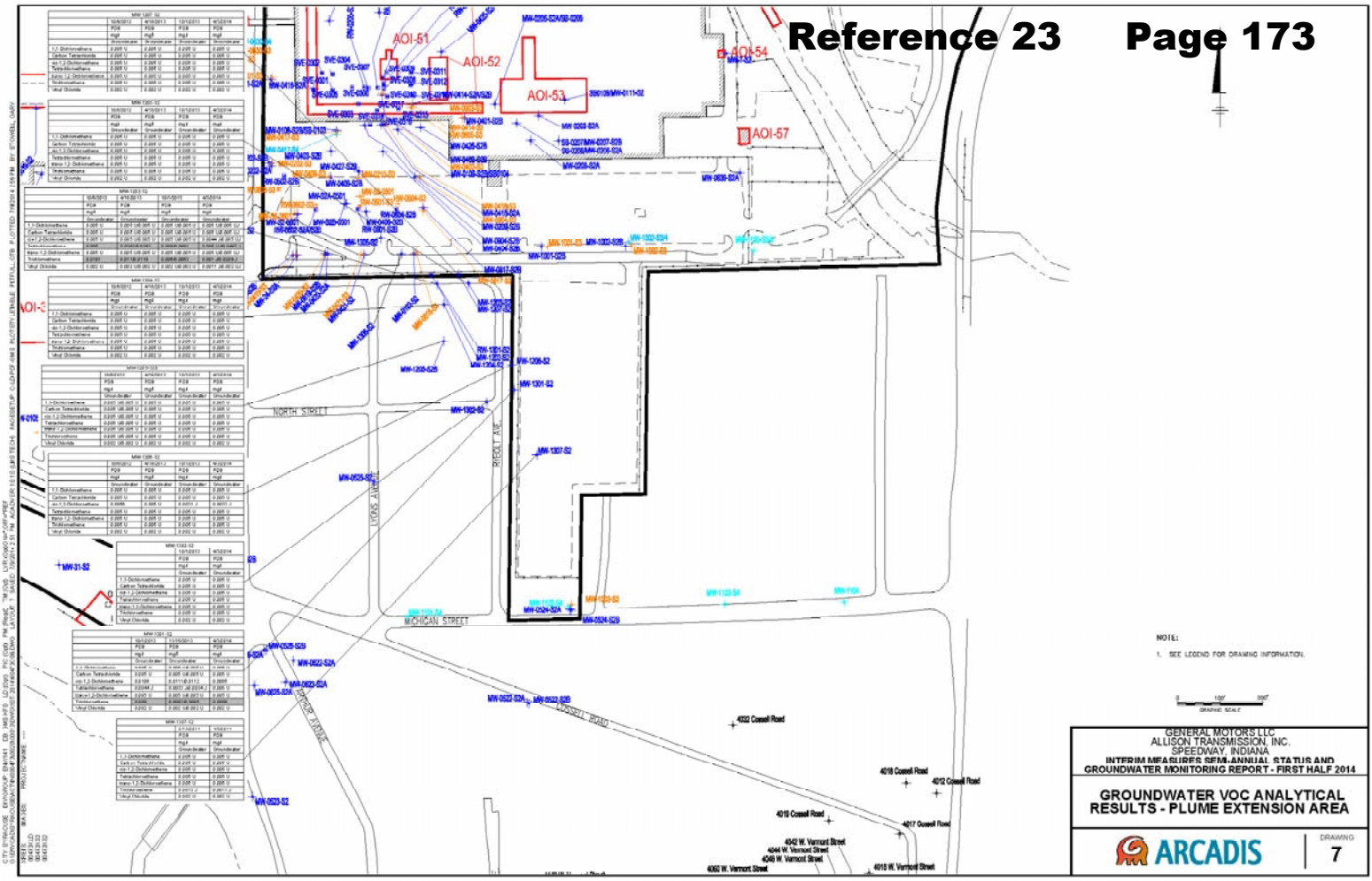
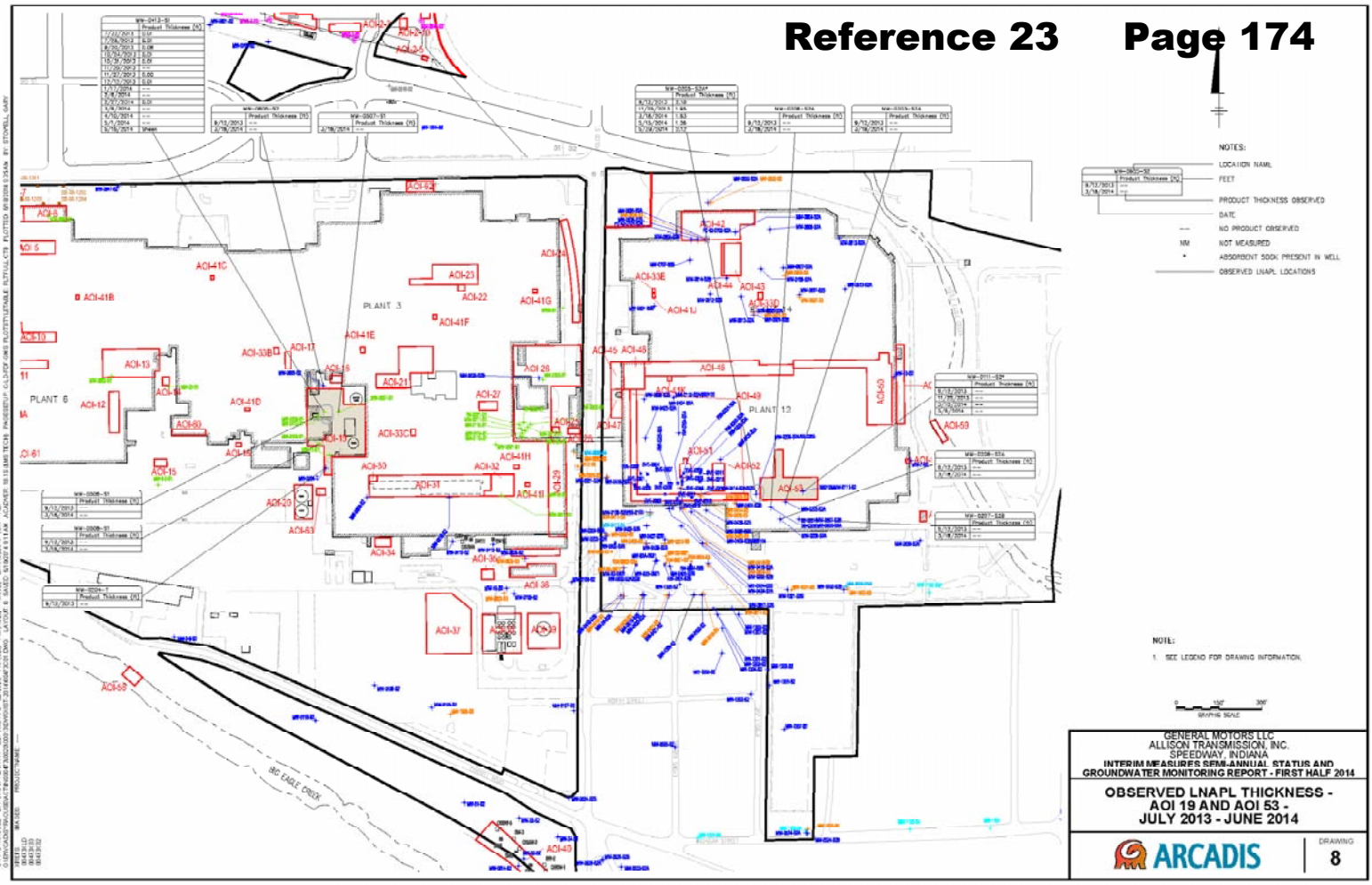
SPEEDWAY, INDIANA
INTERIM MEASURES SEMI-ANNUAL STATUS AND GROUNDWATER MONITORING REPORT - FIRST HALF 2014
GROUNDWATER VOC ANALYTICAL RESULTS - AOI 51 - NORTH
ARCADIS
DRAWING 4


PLANT
AOI-41G
AOI-41E
AOI-33B
AOI-17
AOI-18
AOI-21
AOI-26
AOI-45
AOI-46
AOI-48
AOI-41D
AOI-27
AOI-41K
AOI-49
PLANT 12
AOI-19
AOI-33C
AOI-25
AOI-28
AOI-47
AOI-51
AOI-52
AOI-30
AOI-32
AOI-41H
AOI-29
AOI-31
AOI-53
AOI-20
AOI-41I
AOI-34
AOI-35
AOI-36
AOI-37
AOI-38
AOI-39
PRIDE AVENUE
NORTH STREET
LYONS AVENUE
RYBOLT AVE
COSSELL ROAD
BIG EAGLE CREEK
NOTE:
1. SEE LEGEND FOR DRAWING INFORMATION.
GENERAL MOTORS LLC
ALLISON TRANSMISSION, INC.
SPEEDWAY, INDIANA
INTERIM MEASURES SEMI-ANNUAL STATUS AND GROUNDWATER MONITORING REPORT - FIRST HALF 2014
GROUNDWATER VOC ANALYTICAL RESULTS - AOI 51 - CENTRAL
ARCADIS
DRAWING 5


PLANT 3
PLANT 12
AOI-17
AOI-18
AOI-19
AOI-21
AOI-25
AOI-26
AOI-27
AOI-28
AOI-29
AOI-30
AOI-31
AOI-32
AOI-33B
AOI-33C
AOI-34
AOI-35
AOI-36
AOI-37
AOI-38
AOI-39
AOI-41E
AOI-41D
AOI-41H
AOI-41I
AOI-41K
AOI-43
AOI-47
AOI-48
AOI-49
AOI-51
AOI-52
AOI-53
AOI-60
PRIDE AVENUE
NORTH STREET
LYONS AVENUE
RYBOLT AVE
COSSELL ROAD
BIG EAGLE CREEK
NOTE:
1. SEE LEGEND FOR DRAWING INFORMATION.
GENERAL MOTORS LLC
ALLISON TRANSMISSION, INC.
SPEEDWAY, INDIANA
INTERIM MEASURES SEMI-ANNUAL STATUS AND GROUNDWATER MONITORING REPORT - FIRST HALF 2014
GROUNDWATER VOC ANALYTICAL RESULTS - AOI 51 - SOUTH
ARCADIS
DRAWING
6


AOI-51
AOI-52
AOI-53
AOI-54
AOI-57
NORTH STREET
MICHIGAN STREET
LYONS AVENUE
RIBOLI AVE.
COSSELL ROAD
4032 Cossell Road
4018 Cossell Road
4012 Cossell Road
4019 Cossell Road
4017 Cossell Road
4042 W. Vermont Street
4044 W. Vermont Street
4048 W. Vermont Street
4060 W. Vermont Street
4015 W. Vermont Street
NOTE:
1. SEE LEGEND FOR DRAWING INFORMATION.
GRAPHIC SCALE
GENERAL MOTORS LLC
ALLISON TRANSMISSION, INC.
SPEEDWAY, INDIANA
INTERIM MEASURES SEMI-ANNUAL STATUS AND
GROUNDWATER MONITORING REPORT - FIRST HALF 2014
GROUNDWATER VOC ANALYTICAL
RESULTS - PLUME EXTENSION AREA
ARCADIS
DRAWING
7



GENERAL MOTORS LLC
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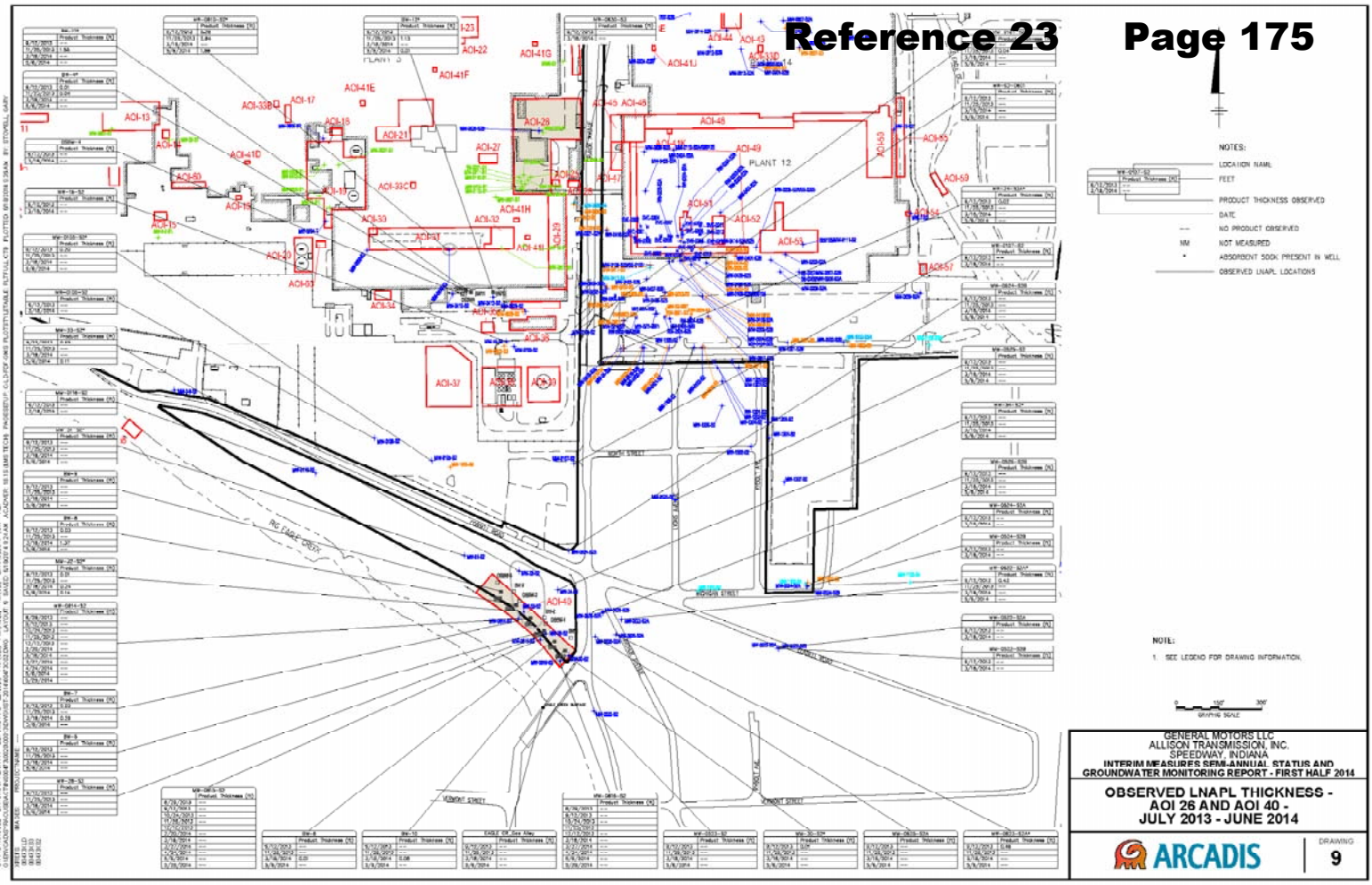
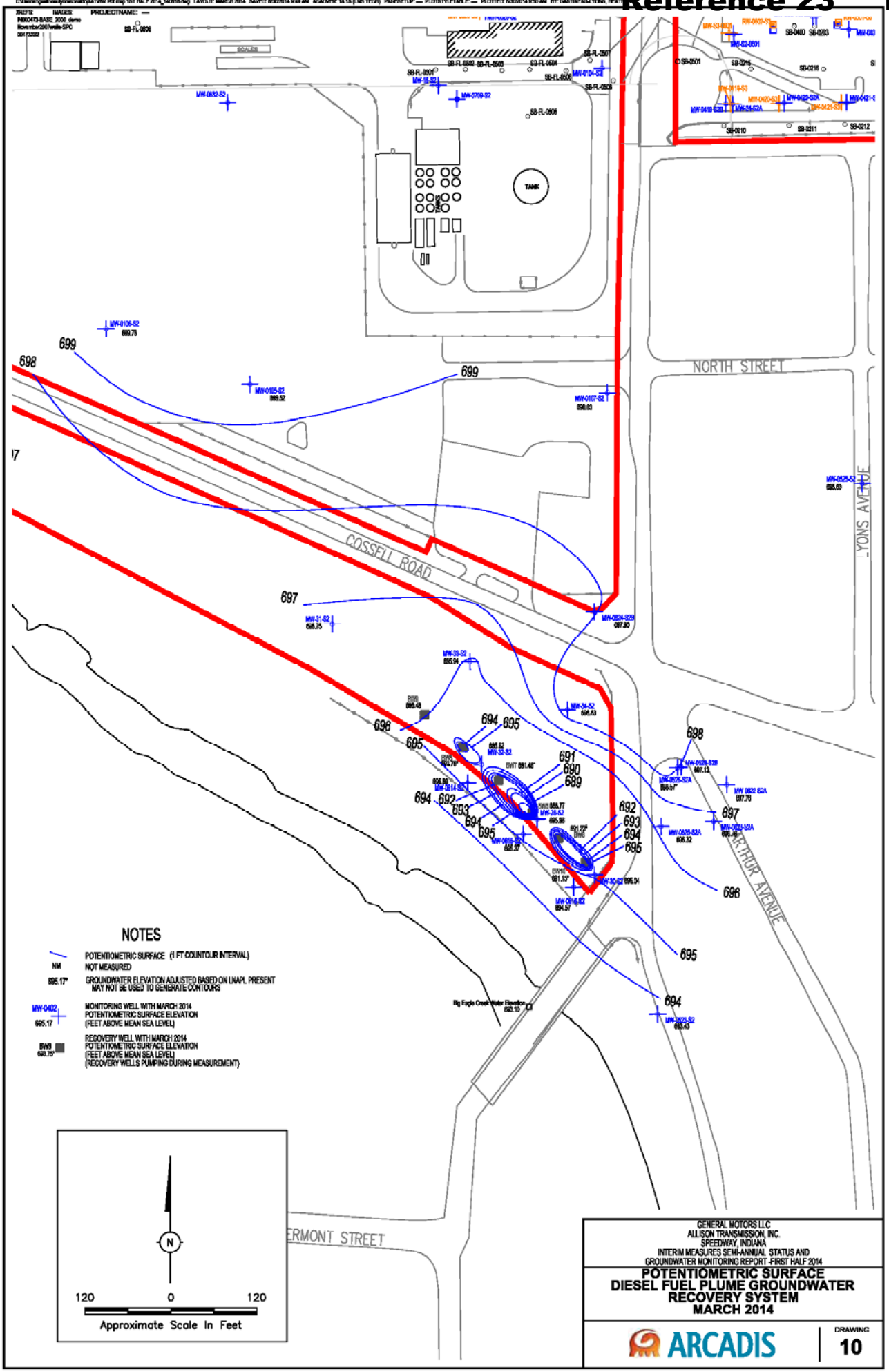
SPEEDWAY, INDIANA
INTERIM MEASURES SEMI-ANNUAL STATUS AND GROUNDWATER MONITORING REPORT - FIRST HALF 2014

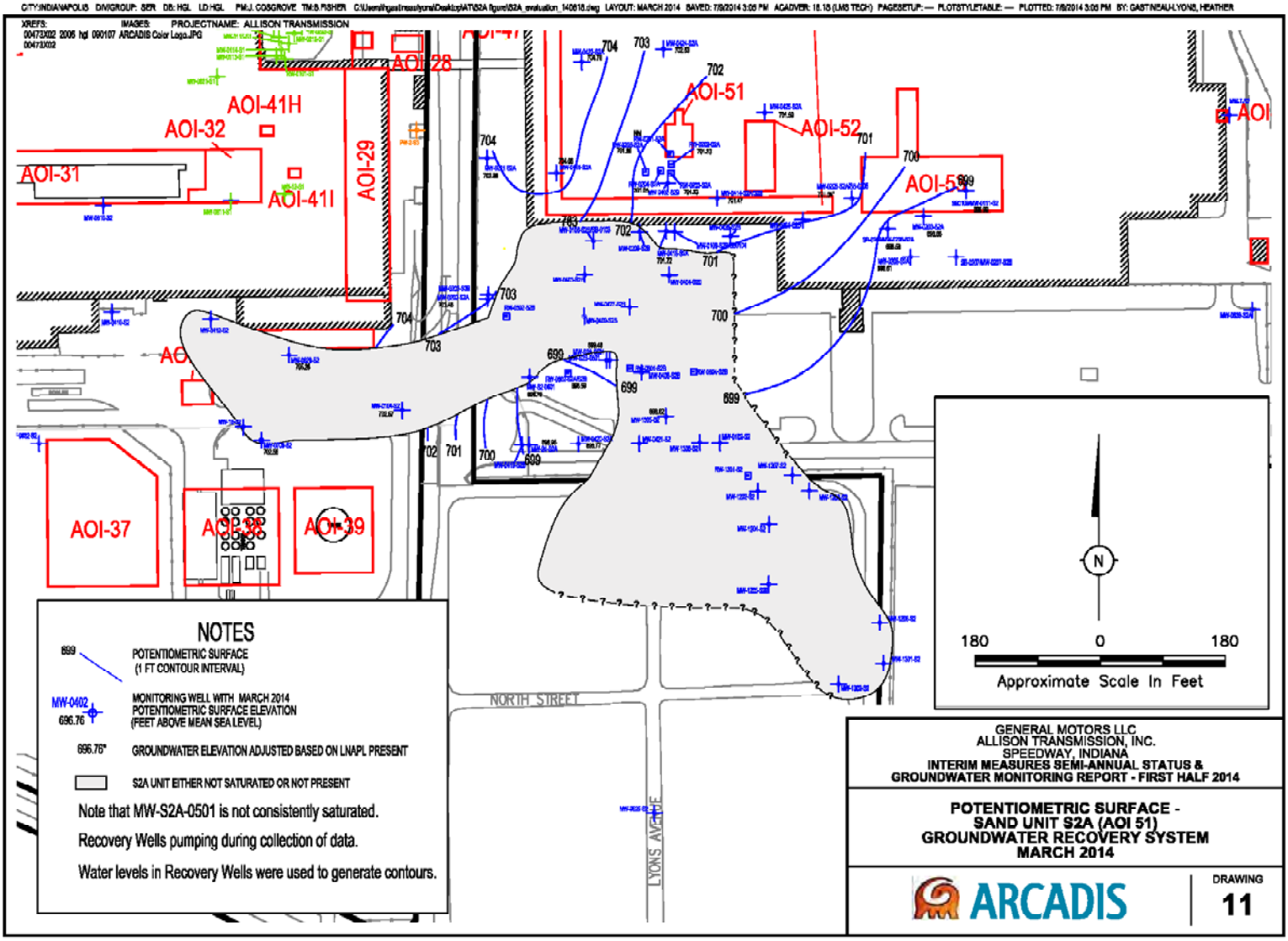
OBSERVED LNAPL THICKNESS - AOI 19 AND AOI 53 - JULY 2013 - JUNE 2014

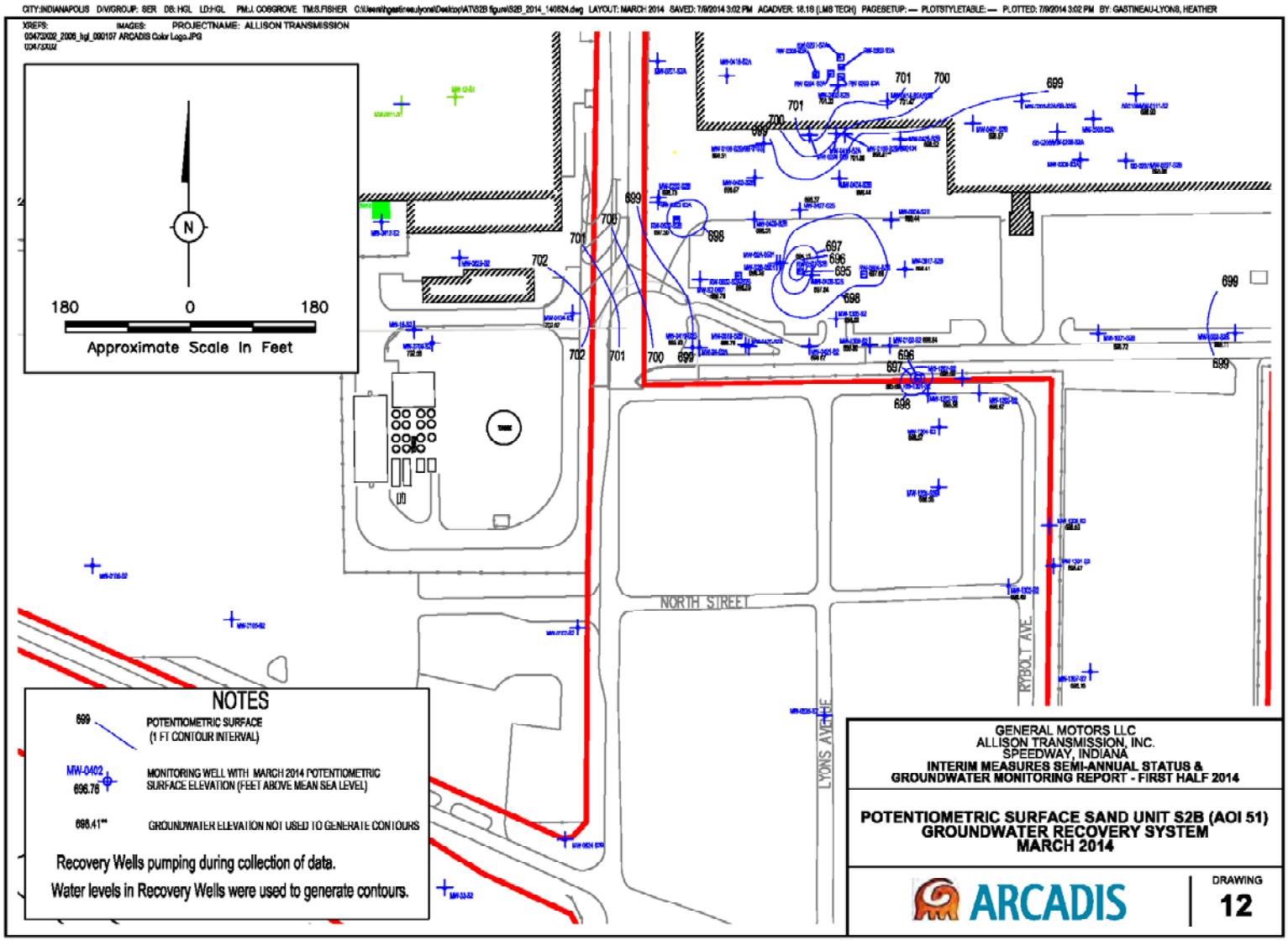
ARCADIS

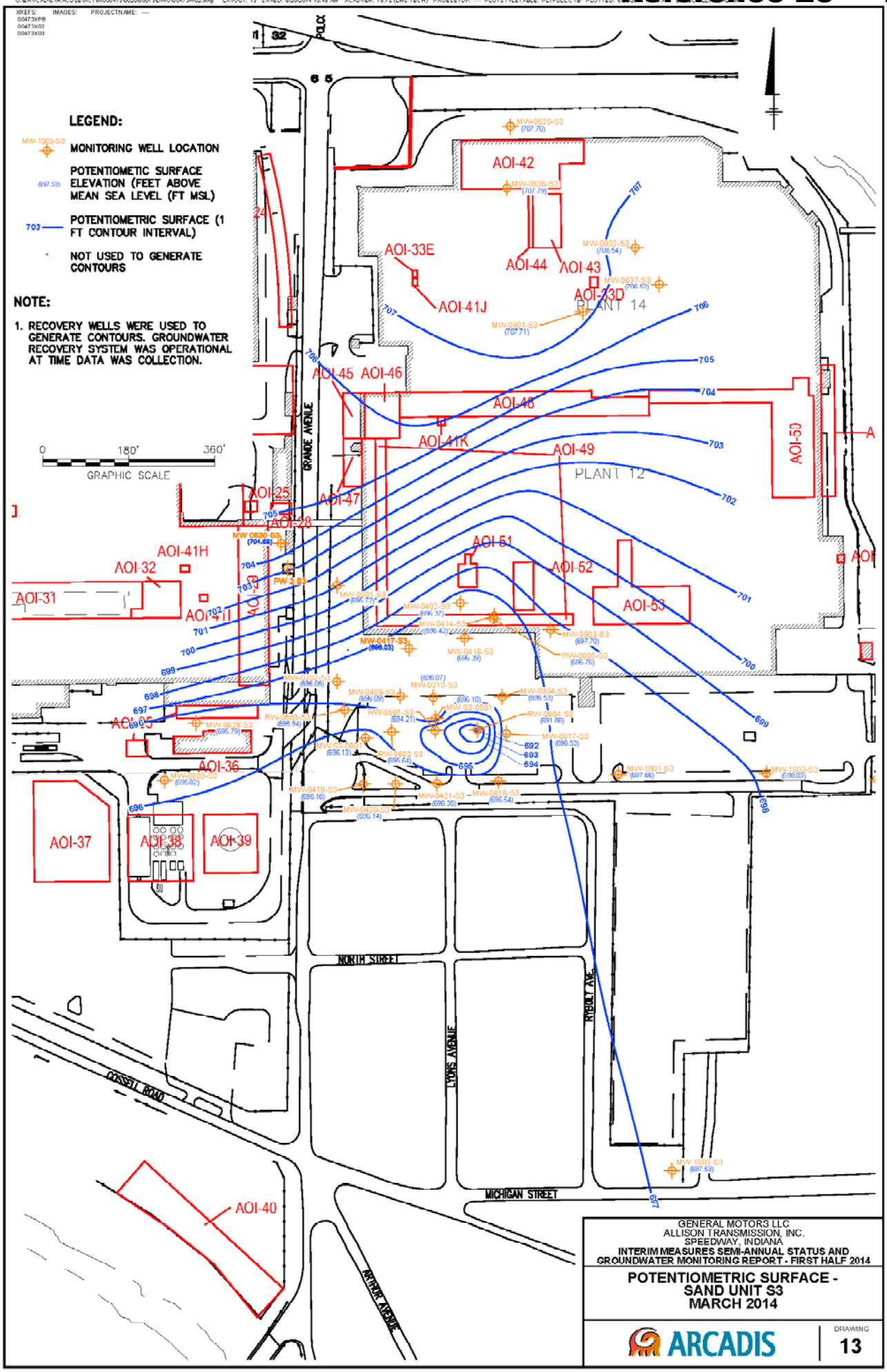
DRAWING 8


PLANT 12
NOTES:
LOCATION NAME
FEET
PRODUCT THICKNESS OBSERVED
DATE
--- NO PRODUCT OBSERVED
NM NOT MEASURED
* ABSORBENT SOCK PRESENT IN WELL
OBSERVED LNAPL LOCATIONS
NOTE:
1. SEE LEGEND FOR DRAWING INFORMATION.
GRAPHIC SCALE
GENERAL MOTORS LLC
ALLISON TRANSMISSION, INC.
SPEEDWAY, INDIANA
INTERIM MEASURES SEMI-ANNUAL STATUS AND GROUNDWATER MONITORING REPORT - FIRST HALF 2014
OBSERVED LNAPL THICKNESS - AOI 26 AND AOI 40 - JULY 2013 - JUNE 2014
ARCADIS
DRAWING 9


NORTH STREET
COSSELL ROAD
LYONS AVENUE
ARTHUR AVENUE
ERMONT STREET
699
698
697
696
695
694
693
692
691
690
689
NOTES
POTENTIOMETRIC SURFACE (1 FT COUNTOUR INTERVAL)
NM NOT MEASURED
695.17* GROUNDWATER ELEVATION ADJUSTED BASED ON LNAPL PRESENT MAY NOT BE USED TO GENERATE CONTOURS
MONITORING WELL WITH MARCH 2014 POTENTIOMETRIC SURFACE ELEVATION (FEET ABOVE MEAN SEA LEVEL)
RECOVERY WELL WITH MARCH 2014 POTENTIOMETRIC SURFACE ELEVATION (FEET ABOVE MEAN SEA LEVEL) (RECOVERY WELLS PUMPING DURING MEASUREMENT)
N
120 0 120
Approximate Scale In Feet
GENERAL MOTORS LLC
ALLISON TRANSMISSION, INC.
SPEEDWAY, INDIANA
INTERIM MEASURES SEMI-ANNUAL STATUS AND GROUNDWATER MONITORING REPORT -FIRST HALF 2014
POTENTIOMETRIC SURFACE
DIESEL FUEL PLUME GROUNDWATER
RECOVERY SYSTEM
MARCH 2014
ARCADIS
DRAWING
10


AOI-41H
AOI-32
AOI-31
AOI-41I
AOI-29
AOI-28
AOI-51
AOI-52
AOI-53
AOI-37
AOI-38
AOI-39
NORTH STREET
LYONS AVENUE
N
180
0
180
Approximate Scale In Feet
NOTES
699 POTENTIOMETRIC SURFACE (1 FT CONTOUR INTERVAL)
MW-0402 696.76 MONITORING WELL WITH MARCH 2014 POTENTIOMETRIC SURFACE ELEVATION (FEET ABOVE MEAN SEA LEVEL)
696.76* GROUNDWATER ELEVATION ADJUSTED BASED ON LNAPL PRESENT
S2A UNIT EITHER NOT SATURATED OR NOT PRESENT
Note that MW-S2A-0501 is not consistently saturated.
Recovery Wells pumping during collection of data.
Water levels in Recovery Wells were used to generate contours.
GENERAL MOTORS LLC
ALLISON TRANSMISSION, INC.
SPEEDWAY, INDIANA
INTERIM MEASURES SEMI-ANNUAL STATUS & GROUNDWATER MONITORING REPORT - FIRST HALF 2014
POTENTIOMETRIC SURFACE - SAND UNIT S2A (AOI 51) GROUNDWATER RECOVERY SYSTEM MARCH 2014
ARCADIS
DRAWING
11


N
180
0
180
Approximate Scale In Feet
NOTES
699
POTENTIOMETRIC SURFACE
(1 FT CONTOUR INTERVAL)
MW-0402
696.76
MONITORING WELL WITH MARCH 2014 POTENTIOMETRIC SURFACE ELEVATION (FEET ABOVE MEAN SEA LEVEL)
698.41**
GROUNDWATER ELEVATION NOT USED TO GENERATE CONTOURS
Recovery Wells pumping during collection of data.
Water levels in Recovery Wells were used to generate contours.
NORTH STREET
RYBOLT AVE.
LYONS AVENUE
GENERAL MOTORS LLC
ALLISON TRANSMISSION, INC.
SPEEDWAY, INDIANA
INTERIM MEASURES SEMI-ANNUAL STATUS & GROUNDWATER MONITORING REPORT - FIRST HALF 2014
POTENTIOMETRIC SURFACE SAND UNIT S2B (AOI 51)
GROUNDWATER RECOVERY SYSTEM
MARCH 2014
ARCADIS
DRAWING
12


LEGEND:
MONITORING WELL LOCATION
POTENTIOMETIC SURFACE ELEVATION (FEET ABOVE MEAN SEA LEVEL (FT MSL)
POTENTIOMETRIC SURFACE (1 FT CONTOUR INTERVAL)
NOT USED TO GENERATE CONTOURS
NOTE:
1. RECOVERY WELLS WERE USED TO GENERATE CONTOURS. GROUNDWATER RECOVERY SYSTEM WAS OPERATIONAL AT TIME DATA WAS COLLECTION.
0 180' 360'
GRAPHIC SCALE
AOI-42
AOI-33E
AOI-44
AOI-43
AOI-41J
AOI-33D
PLANT 14
AOI-45
AOI-46
AOI-48
AOI-41K
AOI-49
AOI-50
PLANT 12
AOI-25
AOI-47
AOI-28
AOI-41H
AOI-32
AOI-31
AOI-41I
AOI-51
AOI-52
AOI-53
AOI-36
AOI-37
AOI-38
AOI-39
AOI-40
GRANDE AVENUE
NORTH STREET
LYONS AVENUE
RYDELL AVE.
GOSSEL ROAD
MICHIGAN STREET
ARTHUR AVENUE
GENERAL MOTORS LLC
ALLISON TRANSMISSION, INC.
SPEEDWAY, INDIANA
INTERIM MEASURES SEMI-ANNUAL STATUS AND GROUNDWATER MONITORING REPORT - FIRST HALF 2014
POTENTIOMETRIC SURFACE - SAND UNIT S3
MARCH 2014
ARCADIS
DRAWING
13

Appendix A

Analytical Data Package

Prepared by:

Pace Analytical Services - Indiana

Pace Project No.: 5092300

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Pace Analytical Services, Inc.
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Indianapolis, IN 46268
(317)228-3100

January 24, 2014

Ms. Susan Scrocchi
Conestoga-Rovers and Associates
2055 Niagara Falls Blvd
Suite 2
Niagara Falls, NY 14304

RE: Project: E027037 / Allison Trans
Pace Project No.: 5092300

Dear Ms. Scrocchi:
Enclosed are the analytical results for sample(s) received by the laboratory on January 14, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Donna S. Spyker

Donna Spyker
donna.spyker@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: E027037 / Allison Trans
Pace Project No.: 5092300

Indiana Certification IDs
7726 Moller Road, Indianapolis, IN 46268
Illinois Certification #: 200074
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky UST Certification #: 0042
Louisiana/NELAP Certification #: 04076
Ohio VAP Certification #: CL-0065
Pennsylvania Certification #: 68-04991
West Virginia Certification #: 330

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SAMPLE SUMMARY

Project: E027037 / Allison Trans
Pace Project No.: 5092300

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5092300001	TB-1(011414)-WK	Water	01/14/14 10:25	01/14/14 17:03
5092300002	MW-0630-S3(011414)	Water	01/14/14 10:30	01/14/14 17:03

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(317)228-3100

SAMPLE ANALYTE COUNT

Project: E027037 / Allison Trans
Pace Project No.: 5092300

Lab ID	Sample ID	Method	Analysts	Analytes Reported
5092300001	TB-1(011414)-WK	EPA 8260	RSW	51
5092300002	MW-0630-S3(011414)	EPA 8260	RSW	51

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ANALYTICAL RESULTS

Project: E027037 / Allison Trans
Pace Project No.: 5092300

Sample: TB-1(011414)-WK **Lab ID: 5092300001** Collected: 01/14/14 10:25 Received: 01/14/14 17:03 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		01/15/14 18:44	67-64-1	
Benzene	ND	ug/L	5.0	1		01/15/14 18:44	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		01/15/14 18:44	75-27-4	
Bromoform	ND	ug/L	5.0	1		01/15/14 18:44	75-25-2	
Bromomethane	ND	ug/L	5.0	1		01/15/14 18:44	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		01/15/14 18:44	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		01/15/14 18:44	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		01/15/14 18:44	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		01/15/14 18:44	108-90-7	
Chloroethane	ND	ug/L	5.0	1		01/15/14 18:44	75-00-3	
Chloroform	ND	ug/L	5.0	1		01/15/14 18:44	67-66-3	
Chloromethane	ND	ug/L	5.0	1		01/15/14 18:44	74-87-3	
Cyclohexane	ND	ug/L	100	1		01/15/14 18:44	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		01/15/14 18:44	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		01/15/14 18:44	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		01/15/14 18:44	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		01/15/14 18:44	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		01/15/14 18:44	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		01/15/14 18:44	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		01/15/14 18:44	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		01/15/14 18:44	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		01/15/14 18:44	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		01/15/14 18:44	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		01/15/14 18:44	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		01/15/14 18:44	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		01/15/14 18:44	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		01/15/14 18:44	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		01/15/14 18:44	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		01/15/14 18:44	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		01/15/14 18:44	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		01/15/14 18:44	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		01/15/14 18:44	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		01/15/14 18:44	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		01/15/14 18:44	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		01/15/14 18:44	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		01/15/14 18:44	1634-04-4	
Styrene	ND	ug/L	5.0	1		01/15/14 18:44	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		01/15/14 18:44	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		01/15/14 18:44	127-18-4	
Toluene	ND	ug/L	5.0	1		01/15/14 18:44	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		01/15/14 18:44	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		01/15/14 18:44	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		01/15/14 18:44	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		01/15/14 18:44	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		01/15/14 18:44	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		01/15/14 18:44	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		01/15/14 18:44	75-01-4	

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ANALYTICAL RESULTS

Project: E027037 / Allison Trans
Pace Project No.: 5092300

Sample: TB-1(011414)-WK **Lab ID: 5092300001** Collected: 01/14/14 10:25 Received: 01/14/14 17:03 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		01/15/14 18:44	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	94	%.	79-116	1		01/15/14 18:44	1868-53-7	
4-Bromofluorobenzene (S)	95	%.	80-114	1		01/15/14 18:44	460-00-4	
Toluene-d8 (S)	104	%.	81-110	1		01/15/14 18:44	2037-26-5	

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ANALYTICAL RESULTS

Project: E027037 / Allison Trans
Pace Project No.: 5092300

Sample: MW-0630-S3(011414) **Lab ID: 5092300002** Collected: 01/14/14 10:30 Received: 01/14/14 17:03 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		01/15/14 19:18	67-64-1	
Benzene	ND	ug/L	5.0	1		01/15/14 19:18	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		01/15/14 19:18	75-27-4	
Bromoform	ND	ug/L	5.0	1		01/15/14 19:18	75-25-2	
Bromomethane	ND	ug/L	5.0	1		01/15/14 19:18	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		01/15/14 19:18	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		01/15/14 19:18	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		01/15/14 19:18	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		01/15/14 19:18	108-90-7	
Chloroethane	ND	ug/L	5.0	1		01/15/14 19:18	75-00-3	
Chloroform	ND	ug/L	5.0	1		01/15/14 19:18	67-66-3	
Chloromethane	ND	ug/L	5.0	1		01/15/14 19:18	74-87-3	
Cyclohexane	ND	ug/L	100	1		01/15/14 19:18	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		01/15/14 19:18	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		01/15/14 19:18	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		01/15/14 19:18	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		01/15/14 19:18	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		01/15/14 19:18	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		01/15/14 19:18	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		01/15/14 19:18	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		01/15/14 19:18	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		01/15/14 19:18	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		01/15/14 19:18	75-35-4	
cis-1,2-Dichloroethene	**6.0**	ug/L	5.0	1		01/15/14 19:18	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		01/15/14 19:18	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		01/15/14 19:18	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		01/15/14 19:18	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		01/15/14 19:18	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		01/15/14 19:18	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		01/15/14 19:18	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		01/15/14 19:18	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		01/15/14 19:18	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		01/15/14 19:18	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		01/15/14 19:18	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		01/15/14 19:18	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		01/15/14 19:18	1634-04-4	
Styrene	ND	ug/L	5.0	1		01/15/14 19:18	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		01/15/14 19:18	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		01/15/14 19:18	127-18-4	
Toluene	ND	ug/L	5.0	1		01/15/14 19:18	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		01/15/14 19:18	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		01/15/14 19:18	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		01/15/14 19:18	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		01/15/14 19:18	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		01/15/14 19:18	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		01/15/14 19:18	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		01/15/14 19:18	75-01-4	

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ANALYTICAL RESULTS

Project: E027037 / Allison Trans
Pace Project No.: 5092300

Sample: MW-0630-S3(011414) **Lab ID: 5092300002** Collected: 01/14/14 10:30 Received: 01/14/14 17:03 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		01/15/14 19:18	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	95	%.	79-116	1		01/15/14 19:18	1868-53-7	
4-Bromofluorobenzene (S)	94	%.	80-114	1		01/15/14 19:18	460-00-4	
Toluene-d8 (S)	102	%.	81-110	1		01/15/14 19:18	2037-26-5	

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QUALITY CONTROL DATA

Project: E027037 / Allison Trans
Pace Project No.: 5092300

QC Batch: MSV/61069 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 5092300001, 5092300002

METHOD BLANK: 1039437 Matrix: Water
Associated Lab Samples: 5092300001, 5092300002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	01/15/14 13:30	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	01/15/14 13:30	
1,1,2-Trichloroethane	ug/L	ND	5.0	01/15/14 13:30	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	5.0	01/15/14 13:30	
1,1-Dichloroethane	ug/L	ND	5.0	01/15/14 13:30	
1,1-Dichloroethene	ug/L	ND	5.0	01/15/14 13:30	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	01/15/14 13:30	
1,2-Dibromo-3-chloropropane	ug/L	ND	10.0	01/15/14 13:30	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	01/15/14 13:30	
1,2-Dichlorobenzene	ug/L	ND	5.0	01/15/14 13:30	
1,2-Dichloroethane	ug/L	ND	5.0	01/15/14 13:30	
1,2-Dichloropropane	ug/L	ND	5.0	01/15/14 13:30	
1,3-Dichlorobenzene	ug/L	ND	5.0	01/15/14 13:30	
1,4-Dichlorobenzene	ug/L	ND	5.0	01/15/14 13:30	
2-Butanone (MEK)	ug/L	ND	25.0	01/15/14 13:30	
2-Hexanone	ug/L	ND	25.0	01/15/14 13:30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	01/15/14 13:30	
Acetone	ug/L	ND	100	01/15/14 13:30	
Benzene	ug/L	ND	5.0	01/15/14 13:30	
Bromodichloromethane	ug/L	ND	5.0	01/15/14 13:30	
Bromoform	ug/L	ND	5.0	01/15/14 13:30	
Bromomethane	ug/L	ND	5.0	01/15/14 13:30	
Carbon disulfide	ug/L	ND	10.0	01/15/14 13:30	
Carbon tetrachloride	ug/L	ND	5.0	01/15/14 13:30	
Chlorobenzene	ug/L	ND	5.0	01/15/14 13:30	
Chloroethane	ug/L	ND	5.0	01/15/14 13:30	
Chloroform	ug/L	ND	5.0	01/15/14 13:30	
Chloromethane	ug/L	ND	5.0	01/15/14 13:30	
cis-1,2-Dichloroethene	ug/L	ND	5.0	01/15/14 13:30	
cis-1,3-Dichloropropene	ug/L	ND	5.0	01/15/14 13:30	
Cyclohexane	ug/L	ND	100	01/15/14 13:30	N2
Dibromochloromethane	ug/L	ND	5.0	01/15/14 13:30	
Dichlorodifluoromethane	ug/L	ND	5.0	01/15/14 13:30	
Ethylbenzene	ug/L	ND	5.0	01/15/14 13:30	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	01/15/14 13:30	
Methyl acetate	ug/L	ND	50.0	01/15/14 13:30	N2
Methyl-tert-butyl ether	ug/L	ND	4.0	01/15/14 13:30	
Methylcyclohexane	ug/L	ND	50.0	01/15/14 13:30	N2
Methylene Chloride	ug/L	ND	5.0	01/15/14 13:30	
Styrene	ug/L	ND	5.0	01/15/14 13:30	
Tetrachloroethene	ug/L	ND	5.0	01/15/14 13:30	
Toluene	ug/L	ND	5.0	01/15/14 13:30	
trans-1,2-Dichloroethene	ug/L	ND	5.0	01/15/14 13:30	

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QUALITY CONTROL DATA

Project: E027037 / Allison Trans
Pace Project No.: 5092300

METHOD BLANK: 1039437 Matrix: Water
Associated Lab Samples: 5092300001, 5092300002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
trans-1,3-Dichloropropene	ug/L	ND	5.0	01/15/14 13:30	
Trichloroethene	ug/L	ND	5.0	01/15/14 13:30	
Trichlorofluoromethane	ug/L	ND	5.0	01/15/14 13:30	
Vinyl chloride	ug/L	ND	2.0	01/15/14 13:30	
Xylene (Total)	ug/L	ND	10.0	01/15/14 13:30	
4-Bromofluorobenzene (S)	%.	94	80-114	01/15/14 13:30	
Dibromofluoromethane (S)	%.	95	79-116	01/15/14 13:30	
Toluene-d8 (S)	%.	102	81-110	01/15/14 13:30	

LABORATORY CONTROL SAMPLE: 1039438

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	46.2	92	71-129	
1,1,2,2-Tetrachloroethane	ug/L	50	46.7	93	66-126	
1,1,2-Trichloroethane	ug/L	50	48.5	97	77-130	
1,1,2-Trichlorotrifluoroethane	ug/L	50	45.8	92	68-139	
1,1-Dichloroethane	ug/L	50	46.4	93	75-130	
1,1-Dichloroethene	ug/L	50	40.0	80	68-127	
1,2,4-Trichlorobenzene	ug/L	50	44.4	89	68-131	
1,2-Dibromo-3-chloropropane	ug/L	50	41.8	84	64-124	
1,2-Dibromoethane (EDB)	ug/L	50	51.3	103	76-125	
1,2-Dichlorobenzene	ug/L	50	49.6	99	75-123	
1,2-Dichloroethane	ug/L	50	46.3	93	75-128	
1,2-Dichloropropane	ug/L	50	45.3	91	74-121	
1,3-Dichlorobenzene	ug/L	50	49.5	99	74-122	
1,4-Dichlorobenzene	ug/L	50	48.8	98	76-120	
2-Butanone (MEK)	ug/L	250	229	92	58-139	
2-Hexanone	ug/L	250	242	97	54-140	
4-Methyl-2-pentanone (MIBK)	ug/L	250	275	110	58-138	
Acetone	ug/L	250	216	86	49-150	
Benzene	ug/L	50	44.1	88	74-122	
Bromodichloromethane	ug/L	50	48.5	97	62-136	
Bromoform	ug/L	50	40.9	82	44-134	
Bromomethane	ug/L	50	25.8	52	22-181	
Carbon disulfide	ug/L	100	84.9	85	59-132	
Carbon tetrachloride	ug/L	50	50.3	101	56-137	
Chlorobenzene	ug/L	50	48.1	96	78-123	
Chloroethane	ug/L	50	33.9	68	60-144	
Chloroform	ug/L	50	47.1	94	78-126	
Chloromethane	ug/L	50	37.8	76	42-134	
cis-1,2-Dichloroethene	ug/L	50	45.2	90	75-122	
cis-1,3-Dichloropropene	ug/L	50	50.9	102	64-126	
Cyclohexane	ug/L	50	53.9J	108	62-119	N2
Dibromochloromethane	ug/L	50	42.5	85	58-128	
Dichlorodifluoromethane	ug/L	50	34.3	69	35-181	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: E027037 / Allison Trans
Pace Project No.: 5092300

LABORATORY CONTROL SAMPLE: 1039438

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Ethylbenzene	ug/L	50	49.3	99	66-133	
Isopropylbenzene (Cumene)	ug/L	50	51.2	102	69-124	
Methyl acetate	ug/L	50	54.8	110	10-142	N2
Methyl-tert-butyl ether	ug/L	100	91.0	91	69-122	
Methylcyclohexane	ug/L	50	51.1	102	63-130	N2
Methylene Chloride	ug/L	50	57.9	116	68-132	
Styrene	ug/L	50	53.8	108	74-126	
Tetrachloroethene	ug/L	50	48.3	97	69-130	
Toluene	ug/L	50	48.2	96	72-122	
trans-1,2-Dichloroethene	ug/L	50	47.8	96	72-124	
trans-1,3-Dichloropropene	ug/L	50	52.6	105	64-121	
Trichloroethene	ug/L	50	46.2	92	76-126	
Trichlorofluoromethane	ug/L	50	41.4	83	76-149	
Vinyl chloride	ug/L	50	38.7	77	59-126	
Xylene (Total)	ug/L	150	152	101	70-124	
4-Bromofluorobenzene (S)	%.			95	80-114	
Dibromofluoromethane (S)	%.			99	79-116	
Toluene-d8 (S)	%.			102	81-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1039439 1039440

Parameter	Units	5092337003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	ND	100	50	88.5	60.9	89	122	60-138	37	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	100	50	85.9	58.7	86	117	55-128	38	20	
1,1,2-Trichloroethane	ug/L	ND	100	50	86.7	59.0	87	118	61-139	38	20	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	100	50	90.0	68.8	90	138	55-151	27	20	
1,1-Dichloroethane	ug/L	ND	100	50	84.8	61.4	85	123	57-147	32	20	
1,1-Dichloroethene	ug/L	ND	100	50	73.5	61.6	73	123	55-145	18	20	
1,2,4-Trichlorobenzene	ug/L	ND	100	50	77.7	47.2	78	94	25-143	49	20	
1,2-Dibromo-3-chloropropane	ug/L	ND	100	50	75.1	51.1	75	102	37-130	38	20	
1,2-Dibromoethane (EDB)	ug/L	ND	100	50	90.5	61.2	91	122	63-129	39	20	
1,2-Dichlorobenzene	ug/L	ND	100	50	89.9	56.5	90	113	38-136	46	20	
1,2-Dichloroethane	ug/L	ND	100	50	83.2	54.7	83	109	62-138	41	20	
1,2-Dichloropropane	ug/L	ND	100	50	81.6	59.9	82	120	59-130	31	20	
1,3-Dichlorobenzene	ug/L	ND	100	50	92.4	57.2	92	114	28-141	47	20	
1,4-Dichlorobenzene	ug/L	ND	100	50	89.1	56.3	89	113	30-139	45	20	
2-Butanone (MEK)	ug/L	ND	500	250	420	309	84	124	37-156	30	20	
2-Hexanone	ug/L	ND	500	250	433	323	87	129	44-143	29	20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	500	250	504	312	101	125	46-144	47	20	
Acetone	ug/L	ND	500	250	388	249	78	100	39-156	44	20	
Benzene	ug/L	ND	100	50	81.4	56.9	81	114	62-129	35	20	
Bromodichloromethane	ug/L	ND	100	50	90.1	65.7	90	131	50-142	31	20	
Bromoform	ug/L	ND	100	50	73.9	45.4	74	91	36-125	48	20	
Bromomethane	ug/L	ND	100	50	32.4	71.4	32	143	13-179	75	20	
Carbon disulfide	ug/L	ND	200	100	156	143	78	143	45-142	9	20	
Carbon tetrachloride	ug/L	ND	100	50	98.1	65.1	98	130	46-142	40	20	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: E027037 / Allison Trans
Pace Project No.: 5092300

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1039439 1039440

Parameter	Units	5092337003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chlorobenzene	ug/L	ND	100	50	86.0	55.3	86	111	49-136	43	20	
Chloroethane	ug/L	ND	100	50	53.3	63.3	53	127	47-160	17	20	
Chloroform	ug/L	ND	100	50	86.5	59.6	87	119	54-150	37	20	
Chloromethane	ug/L	ND	100	50	71.1	56.5	71	113	30-148	23	20	
cis-1,2-Dichloroethene	ug/L	ND	100	50	81.9	55.4	82	111	60-135	39	20	
cis-1,3-Dichloropropene	ug/L	ND	100	50	91.2	65.1	91	130	52-123	33	20	
Cyclohexane	ug/L	ND	100	50	107	73.3J	107	147	43-135		20	N2
Dibromochloromethane	ug/L	ND	100	50	76.4	49.6	76	99	48-125	43	20	
Dichlorodifluoromethane	ug/L	ND	100	50	74.9	62.0	75	124	24-197	19	20	
Ethylbenzene	ug/L	ND	100	50	88.7	58.4	89	117	28-153	41	20	
Isopropylbenzene (Cumene)	ug/L	ND	100	50	91.5	59.6	92	119	18-152	42	20	
Methyl acetate	ug/L	ND	100	50	103	52.2	103	104	10-125	66	20	N2
Methyl-tert-butyl ether	ug/L	ND	200	100	169	152	85	152	63-130	11	20	
Methylcyclohexane	ug/L	ND	100	50	102	69.5	102	139	32-155	38	20	N2
Methylene Chloride	ug/L	ND	100	50	106	56.5	106	113	45-156	61	20	
Styrene	ug/L	ND	100	50	93.8	63.7	94	127	36-139	38	20	
Tetrachloroethene	ug/L	ND	100	50	91.5	58.3	92	117	33-151	44	20	
Toluene	ug/L	ND	100	50	86.6	57.9	86	115	50-132	40	20	
trans-1,2-Dichloroethene	ug/L	ND	100	50	88.0	59.6	88	119	40-153	38	20	
trans-1,3-Dichloropropene	ug/L	ND	100	50	94.7	48.5	95	97	48-122	65	20	
Trichloroethene	ug/L	ND	100	50	86.8	53.2	87	106	50-143	48	20	
Trichlorofluoromethane	ug/L	ND	100	50	81.3	68.7	81	137	60-175	17	20	
Vinyl chloride	ug/L	ND	100	50	73.2	61.2	73	122	44-145	18	20	
Xylene (Total)	ug/L	ND	300	150	271	183	90	122	29-145	39	20	
4-Bromofluorobenzene (S)	%.						97	101	80-114			
Dibromofluoromethane (S)	%.						102	102	79-116			1d,2d
Toluene-d8 (S)	%.						101	97	81-110			

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: E027037 / Allison Trans
Pace Project No.: 5092300

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

1d	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits for several compounds. RSW 01/17/14
2d	RPD value was outside control limits for several compounds. RSW 01/17/14
N2	The lab does not hold TNI accreditation for this parameter.

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.
1233 Dublin Road
Columbus, OH 43215
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: E027037 / Allison Trans
Pace Project No.: 5092300

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
5092300001	**TB-1(011414)-WK**	EPA 8260	MSV/61069		
5092300002	**MW-0630-S3(011414)**	EPA 8260	MSV/61069		

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GM REALM ENCORE

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

PAGE 1 OF 1

ID # Nº 03821

SSOW Ref. Code: E027037

Required Client Information:

Company: ARCADIS	Report To: Heather Gashinean-Lyons
Address: 132 E. WASHINGTON ST	Copy To:
STE 600	Invoice To:
INDIANAPOLIS, IN 46204	P.O.:
Phone: (317) 231-6500	Project Name: ALLISON TRANSMISSION
Fax: (317) 231-6514	Project Number: IN000473.0020.00004
E-mail: Heather.Gashinean-Lyons@arcadis-us.com	

Laboratory: PACE	
Laboratory Location: INDIANAPOLIS, IN	
Laboratory Contact:	
Requested Due Date:	TAT: STANDARD
QA/QC Requirements:	

Valid Matrix Codes:
WG Groundwater
WB Borehole Water
WS Surface Water
SO Soil
SE Sediment
See Back for Additional Codes

Sample Identification:	Matrix Code	Date Collected	Time Collected	# Containers	Preservative: Unpreserved	HCl	H2SO4	HNO3	NaOH	Other:	Analysis and Method: VOC's 8260	Remarks/Lab ID
1. TB-1(011414)-WK	WG	1/14/14	1025	3		X					X	*LAB SUPPLIED 001
2. MW-0630-S3(011414)	WG	1/14/14	1030	3		X					X	002
3.												
4.												
5.												
6.												
7.												
8.												
9.												
10.												
11.												
12.												
13.												
14.												
15.												
TOTAL NUMBER OF CONTAINERS												

5092300

WG 1/14/14

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY / AFFILIATION	DATE	TIME	RECEIVED BY / AFFILIATION	DATE	TIME
		Wesley Kuhn / ARCADIS	1/14/14	1703	James Jones	1/14/14	1703
AIRBILL NO.							

Sample Condition

Temp in °C	0.5
Received on Ice	Y / N
Sealed Cooler	Y / N
Samples Intact	Y / N

Additional Comments:

Sampler Name: Wesley Kuhn

Sampler Signature: Wesley Kuhn Date: 1/14/14

Distribution: WHITE - Fully Executed Copy YELLOW - Receiving Laboratory Copy PINK - Sampler Copy

REV. 0 (6/04)

Sample Condition Upon Receipt

Pace Analytical

Client Name: Arcadis Project # 5092300

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☑ Client ☐ Commercial ☐ Pace Other

Tracking #:

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals Intact: ☐ yes ☑ no

Date/Time 5035A kits placed in freezer

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☑ None ☐ Other

Thermometer Used 1 2 3 4 6 A B C D E Type of Ice: Wet Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature (Corrected, if applicable) 0.5 Ice Visible in Sample Containers: ☐ yes ☑ no

Temp should be above freezing to 6°C

Date and Initials of person examining contents: [illegible]

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	5.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	6.
Containers Intact:	☑Yes ☐No ☐N/A	7.
Sample Labels match COC: -Includes date/time/ID/Analysis	☑Yes ☐No ☐N/A	8.
All containers needing acid/base pres. have been checked? exceptions: VOA, coliform, TOC, O&G All containers needing preservation are found to be in compliance with EPA recommendation (<2, >9, >12) unless otherwise noted.	☐Yes ☐No ☑N/A	9. (Circle) HNO3 H2SO4 NaOH HCl
Headspace in VOA Vials (>6mm):	☑Yes ☐No ☐N/A	10. All trip blanks
Trip Blank Present:	☑Yes ☐No ☐N/A	11.
Trip Blank Custody Seals Present	☑Yes ☐No ☐N/A	
Project Manager Review		
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	12.
Sufficient Volume:	☑Yes ☐No ☐N/A	13.
Correct Containers Used:	☑Yes ☐No ☐N/A	14.

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: Date/Time:

Comments/ Resolution:

Project Manager Review: [signature] **Date:** 1/14/14

Form F-IN-Q-290-rev.05, 10Sep2013

Sample Container Count

CLIENT: Arcadis

COC PAGE 1 of 1

COC ID#

Project # 6092301

Sample Line Item	DG9H	AG1U	WGFU	AG0U	R	4 / 6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H			pH <2	pH>12	Comments
1	3																		
2	3																		
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

Container Codes

DG9H	40mL HCL amber voa vial	AG0U	100mL unpreserved amber gl	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber gla	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	I	Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber g	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber g	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gl	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plasti	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

January 27, 2014

Case Narrative—Level Project Review
Project 5092300 (Conestoga-Rovers and Associates)

General Reporting Comments

Quality control issues or reported footnotes that require more detailed information will be covered in this case narrative. Dilutions of samples are indicated in the sample results section under the heading 'Dl'. The raw sample and calibration data is included following the body of the report. This raw data is separated by analysis and then further separated into categories of information.

Sample Receiving

No discrepancies were noted concerning sample receipt or sample transfer.

GC/MS Volatiles—Method 8260B

Analysis was performed according to standard operating procedures. All quality control requirements were met with the following exceptions:

> The spike and spike duplicate information listed on pages 11-12 for sample 5092337003 is considered batch quality control data because it was not run on a sample from this project. This spike recovery information should not be used to evaluate sample data from this project.

I have reviewed the data from this project and have found all other discrepancies to be sufficiently covered in the footnotes in the report or documented within the raw data.

Theresa L Sheingold

Theresa Sheingold
Quality Analyst
Pace Analytical Services

MSV - FORM II VOA-1
WATER VOLATILE SURROGATE RECOVERY

Lab Name: Pace Analytical - Indiana SDG No.: 5092300 Contract: E027037 / Allison Trans

Instrument ID: 50MV4B

LAB SAMPLE ID	SAMPLE NAME	BFB	DIBF	TOL8
1039437	1039437BLANK	94	95	102
1039438	1039438LCS	95	99	102
5092300001	TB-1(011414)-WK	95	94	104
5092300002	MW-0630-S3(011414)	94	95	102

	QC LIMITS
(BFB) = 4-Bromofluorobenzene (S)	(80-114)
(DIBF) = Dibromofluoromethane (S)	(79-116)
(TOL8) = Toluene-d8 (S)	(81-110)

* Values outside of QC Limits

MSV - FORM III VOA-1

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Pace Analytical - Indiana
Matrix Spike - Sample No: 1039439MS
Date Extracted: 01/15/2014
Date Analyzed (1): 01/15/2014
Instrument: 50MV4B
Lab File ID: B011514.B\B17.D
Parent Sample ID: 5092337003
SDG No.: 5092300

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS %REC	QC LIMITS REC.
1,1,1-Trichloroethane	100	ND	88.5	89	60-138
1,1,2,2-Tetrachloroethane	100	ND	85.9	86	55-128
1,1,2-Trichloroethane	100	ND	86.7	87	61-139
1,1,2-Trichlorotrifluoroethane	100	ND	90.0	90	55-151
1,1-Dichloroethane	100	ND	84.8	85	57-147
1,1-Dichloroethene	100	ND	73.5	73	55-145
1,2,4-Trichlorobenzene	100	ND	77.7	78	25-143
1,2-Dibromo-3-chloropropane	100	ND	75.1	75	37-130
1,2-Dibromoethane (EDB)	100	ND	90.5	91	63-129
1,2-Dichlorobenzene	100	ND	89.9	90	38-136
1,2-Dichloroethane	100	ND	83.2	83	62-138
1,2-Dichloropropane	100	ND	81.6	82	59-130
1,3-Dichlorobenzene	100	ND	92.4	92	28-141
1,4-Dichlorobenzene	100	ND	89.1	89	30-139
2-Butanone (MEK)	500	ND	420	84	37-156
2-Hexanone	500	ND	433	87	44-143
4-Methyl-2-pentanone (MIBK)	500	ND	504	101	46-144
Acetone	500	ND	388	78	39-156
Benzene	100	ND	81.4	81	62-129
Bromodichloromethane	100	ND	90.1	90	50-142
Bromoform	100	ND	73.9	74	36-125
Bromomethane	100	ND	32.4	32	13-179
Carbon disulfide	200	ND	156	78	45-142
Carbon tetrachloride	100	ND	98.1	98	46-142
Chlorobenzene	100	ND	86.0	86	49-136
Chloroethane	100	ND	53.3	53	47-160
Chloroform	100	ND	86.5	87	54-150
Chloromethane	100	ND	71.1	71	30-148
Cyclohexane	100	ND	107	107	43-135
Dibromochloromethane	100	ND	76.4	76	48-125
Dichlorodifluoromethane	100	ND	74.9	75	24-197
Ethylbenzene	100	ND	88.7	89	28-153
Isopropylbenzene (Cumene)	100	ND	91.5	92	18-152
Methyl acetate	100	ND	103	103	10-125
Methyl-tert-butyl ether	200	ND	169	85	63-130
Methylcyclohexane	100	ND	102	102	32-155
Methylene Chloride	100	ND	106	106	45-156
Styrene	100	ND	93.8	94	36-139
Tetrachloroethene	100	ND	91.5	92	33-151
Toluene	100	ND	86.6	86	50-132
Trichloroethene	100	ND	86.8	87	50-143
Trichlorofluoromethane	100	ND	81.3	81	60-175
Vinyl chloride	100	ND	73.2	73	44-145
Xylene (Total)	300	ND	271	90	29-145
cis-1,2-Dichloroethene	100	ND	81.9	82	60-135
cis-1,3-Dichloropropene	100	ND	91.2	91	52-123
trans-1,2-Dichloroethene	100	ND	88.0	88	40-153

MSV - FORM III VOA-2

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Pace Analytical - Indiana
Matrix Spike - Sample No: 1039439MS
Date Extracted: 01/15/2014
Date Analyzed (1): 01/15/2014
Instrument: 50MV4B
Lab File ID: B011514.B\B17.D
Parent Sample ID: 5092337003
SDG No.: 5092300

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS %REC	QC LIMITS REC.
trans-1,3-Dichloropropene	100	ND	94.7	95	48-122

Spike Recovery: 0 out of 48 outside limits.

MSV - FORM III VOA-3

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Instrument (2): 50MV4A Matrix Spike Duplicate - Sample No: 1039440MSD

Lab File ID (2): A011614CAL.B\C07.D Date Analyzed (2): 01/17/2014

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD %REC	%RPD	QC LIMITS	
					RPD	REC.
1,1,1-Trichloroethane	50.0	60.9	122	37	0-20	60-138
1,1,2,2-Tetrachloroethane	50.0	58.7	117	38	0-20	55-128
1,1,2-Trichloroethane	50.0	59.0	118	38	0-20	61-139
1,1,2-Trichlorotrifluoroethane	50.0	68.8	138	27	0-20	55-151
1,1-Dichloroethane	50.0	61.4	123	32	0-20	57-147
1,1-Dichloroethene	50.0	61.6	123	18	0-20	55-145
1,2,4-Trichlorobenzene	50.0	47.2	94	49	0-20	25-143
1,2-Dibromo-3-chloropropane	50.0	51.1	102	38	0-20	37-130
1,2-Dibromoethane (EDB)	50.0	61.2	122	39	0-20	63-129
1,2-Dichlorobenzene	50.0	56.5	113	46	0-20	38-136
1,2-Dichloroethane	50.0	54.7	109	41	0-20	62-138
1,2-Dichloropropane	50.0	59.9	120	31	0-20	59-130
1,3-Dichlorobenzene	50.0	57.2	114	47	0-20	28-141
1,4-Dichlorobenzene	50.0	56.3	113	45	0-20	30-139
2-Butanone (MEK)	250	309	124	30	0-20	37-156
2-Hexanone	250	323	129	29	0-20	44-143
4-Methyl-2-pentanone (MIBK)	250	312	125	47	0-20	46-144
Acetone	250	249	100	44	0-20	39-156
Benzene	50.0	56.9	114	35	0-20	62-129
Bromodichloromethane	50.0	65.7	131	31	0-20	50-142
Bromoform	50.0	45.4	91	48	0-20	36-125
Bromomethane	50.0	71.4	143	75	0-20	13-179
Carbon disulfide	100	143	143	9	0-20	45-142
Carbon tetrachloride	50.0	65.1	130	40	0-20	46-142
Chlorobenzene	50.0	55.3	111	43	0-20	49-136
Chloroethane	50.0	63.3	127	17	0-20	47-160
Chloroform	50.0	59.6	119	37	0-20	54-150
Chloromethane	50.0	56.5	113	23	0-20	30-148
Cyclohexane	50.0	73.3J	147		0-20	43-135
Dibromochloromethane	50.0	49.6	99	43	0-20	48-125
Dichlorodifluoromethane	50.0	62.0	124	19	0-20	24-197
Ethylbenzene	50.0	58.4	117	41	0-20	28-153
Isopropylbenzene (Cumene)	50.0	59.6	119	42	0-20	18-152
Methyl acetate	50.0	52.2	104	66	0-20	10-125
Methyl-tert-butyl ether	100	152	152	11	0-20	63-130
Methylcyclohexane	50.0	69.5	139	38	0-20	32-155
Methylene Chloride	50.0	56.5	113	61	0-20	45-156
Styrene	50.0	63.7	127	38	0-20	36-139
Tetrachloroethene	50.0	58.3	117	44	0-20	33-151
Toluene	50.0	57.9	115	40	0-20	50-132
Trichloroethene	50.0	53.2	106	48	0-20	50-143
Trichlorofluoromethane	50.0	68.7	137	17	0-20	60-175
Vinyl chloride	50.0	61.2	122	18	0-20	44-145
Xylene (Total)	150	183	122	39	0-20	29-145
cis-1,2-Dichloroethene	50.0	55.4	111	39	0-20	60-135
cis-1,3-Dichloropropene	50.0	65.1	130	33	0-20	52-123
trans-1,2-Dichloroethene	50.0	59.6	119	38	0-20	40-153
trans-1,3-Dichloropropene	50.0	48.5	97	65	0-20	48-122

MSV - FORM III VOA-4

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Instrument (2): 50MV4A Matrix Spike Duplicate - Sample No: 1039440MSD

Lab File ID (2): A011614CAL.B\C07.D Date Analyzed (2): 01/17/2014

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD %REC	%RPD	QC LIMITS	
					RPD	REC.

RPD: 40 out of 47 outside limits.

Spike Recovery: 4 out of 48 outside limits.

01/27/2014 9:52

MSV - FORM III VOA-1

WATER LABORATORY CONTROL SAMPLE RECOVERY

Lab Name: Pace Analytical - Indiana
Lab Sample ID: 1039438LCS
Date Extracted: 01/15/2014
Date Analyzed (1): 01/15/2014
Instrument: 50MV4B
LCS Lot No: 59952
Lab File ID: B011514.B\B02LCSX.D
SDG No.: 5092300

COMPOUND	AMOUNT ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS %REC	QC LIMITS REC.
Acetone	250	216	86	49-150
Benzene	50.0	44.1	88	74-122
Bromodichloromethane	50.0	48.5	97	62-136
Bromoform	50.0	40.9	82	44-134
Bromomethane	50.0	25.8	52	22-181
2-Butanone (MEK)	250	229	92	58-139
Carbon disulfide	100	84.9	85	59-132
Carbon tetrachloride	50.0	50.3	101	56-137
Chlorobenzene	50.0	48.1	96	78-123
Chloroethane	50.0	33.9	68	60-144
Chloroform	50.0	47.1	94	78-126
Chloromethane	50.0	37.8	76	42-134
Cyclohexane	50.0	53.9J	108	62-119
1,2-Dibromo-3-chloropropane	50.0	41.8	84	64-124
Dibromochloromethane	50.0	42.5	85	58-128
1,2-Dibromoethane (EDB)	50.0	51.3	103	76-125
1,2-Dichlorobenzene	50.0	49.6	99	75-123
1,3-Dichlorobenzene	50.0	49.5	99	74-122
1,4-Dichlorobenzene	50.0	48.8	98	76-120
Dichlorodifluoromethane	50.0	34.3	69	35-181
1,1-Dichloroethane	50.0	46.4	93	75-130
1,2-Dichloroethane	50.0	46.3	93	75-128
1,1-Dichloroethene	50.0	40.0	80	68-127
cis-1,2-Dichloroethene	50.0	45.2	90	75-122
trans-1,2-Dichloroethene	50.0	47.8	96	72-124
1,2-Dichloropropane	50.0	45.3	91	74-121
cis-1,3-Dichloropropene	50.0	50.9	102	64-126
trans-1,3-Dichloropropene	50.0	52.6	105	64-121
Ethylbenzene	50.0	49.3	99	66-133
2-Hexanone	250	242	97	54-140
Isopropylbenzene (Cumene)	50.0	51.2	102	69-124
Methyl acetate	50.0	54.8	110	10-142
Methylcyclohexane	50.0	51.1	102	63-130
Methylene Chloride	50.0	57.9	116	68-132
4-Methyl-2-pentanone (MIBK)	250	275	110	58-138
Methyl-tert-butyl ether	100	91.0	91	69-122
Styrene	50.0	53.8	108	74-126
1,1,2,2-Tetrachloroethane	50.0	46.7	93	66-126
Tetrachloroethene	50.0	48.3	97	69-130
Toluene	50.0	48.2	96	72-122
1,2,4-Trichlorobenzene	50.0	44.4	89	68-131
1,1,1-Trichloroethane	50.0	46.2	92	71-129
1,1,2-Trichloroethane	50.0	48.5	97	77-130
Trichloroethene	50.0	46.2	92	76-126
Trichlorofluoromethane	50.0	41.4	83	76-149
1,1,2-Trichlorotrifluoroethane	50.0	45.8	92	68-139
Vinyl chloride	50.0	38.7	77	59-126

MSV - FORM III VOA-2

WATER LABORATORY CONTROL SAMPLE RECOVERY

Lab Name: Pace Analytical - Indiana
Lab Sample ID: 1039438LCS
Date Extracted: 01/15/2014
Date Analyzed (1): 01/15/2014
Instrument: 50MV4B
LCS Lot No: 59952
Lab File ID: B011514.B\B02LCSX.D
SDG No.: 5092300

COMPOUND	AMOUNT ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS %REC	QC LIMITS REC.
Xylene (Total)	150	152	101	70-124

Spike Recovery: 0 out of 48 outside limits.

MSV - FORM IV VOA-1
VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.
1039437BLANK

Lab Name: Pace Analytical - Indiana SDG No.: 5092300 Contract: E027037 / Allison Trans

Instrument ID: 50MV4B Matrix: Water Lab Sample ID: 1039437

Lab File ID: B011514.B\B04MBX.D Date Analyzed: 01/15/2014 Time: 13:30

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	ANALYZED
1039438LCS	1039438	B011514.B\B02LCSX.D	01/15/2014 12:23
TB-1(011414)-WK	5092300001	B011514.B\B13.D	01/15/2014 18:44
MW-0630-S3(011414)	5092300002	B011514.B\B14.D	01/15/2014 19:18

MSV - FORM V VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Pace Analytical - Indiana SDG No.: 5092300 Contract: E027037 / Allison Trans
Lab File ID: B011014CAL.B\B00BFB.D BFB Injection Date: 01/10/2014
Instrument ID: 50MV4B BFB Injection Time: 15:45

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.00 - 40.00% of mass 95	15.54	
75	30.00 - 60.00% of mass 95	44.24	
95	Base Peak, 100.00% relative abundance	100.00	
96	5.00 - 9.00% of mass 95	6.82	
173	Less than 2.00% of mass 174	0.59	(0.61)[1]
174	50.00 - 100.00% of mass 95	97.76	
175	5.00 - 9.00% of mass 174	7.04	(7.21)[1]
176	95.00 - 101.00% of mass 174	94.78	(96.96)[1]
177	5.00 - 9.00% of mass 176	6.30	(6.64)[2]

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

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
6414179CAL1	6414179CAL1	B011014CAL.B\B02.D	01/10/2014	16:50
6414187CAL2	6414187CAL2	B011014CAL.B\B03.D	01/10/2014	17:22
6414183CAL3	6414183CAL3	B011014CAL.B\B04.D	01/10/2014	17:54
6414188CAL4	6414188CAL4	B011014CAL.B\B05.D	01/10/2014	18:27
6414185CAL5	6414185CAL5	B011014CAL.B\B06.D	01/10/2014	18:59
6414178CAL6	6414178CAL6	B011014CAL.B\B07.D	01/10/2014	19:31
6414186CAL7	6414186CAL7	B011014CAL.B\B08.D	01/10/2014	20:03
6414184CAL8	6414184CAL8	B011014CAL.B\B09.D	01/10/2014	20:36
6414189ICV	6414189ICV	B011014CAL.B\B11ICV.D	01/10/2014	21:40

MSV - FORM V VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Pace Analytical - Indiana SDG No.: 5092300 Contract: E027037 / Allison Trans
Lab File ID: B011514.B\B00BFB.D BFB Injection Date: 01/15/2014
Instrument ID: 50MV4B BFB Injection Time: 11:16

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.00 - 40.00% of mass 95	16.29	
75	30.00 - 60.00% of mass 95	47.33	
95	Base Peak, 100.00% relative abundance	100.00	
96	5.00 - 9.00% of mass 95	7.20	
173	Less than 2.00% of mass 174	0.59	(0.64)[1]
174	50.00 - 100.00% of mass 95	91.29	
175	5.00 - 9.00% of mass 174	6.77	(7.42)[1]
176	95.00 - 101.00% of mass 174	87.74	(96.11)[1]
177	5.00 - 9.00% of mass 176	5.72	(6.52)[2]

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

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
6425467CCV	6425467CCV	B011514.B\B01CCV.D	01/15/2014	11:50
1039438LCS	1039438LCS	B011514.B\B02LCSX.D	01/15/2014	12:23
1039437BLANK	1039437BLANK	B011514.B\B04MBX.D	01/15/2014	13:30
TB-1(011414)-WK	5092300001	B011514.B\B13.D	01/15/2014	18:44
MW-0630-S3(011414)	5092300002	B011514.B\B14.D	01/15/2014	19:18

MSV - FORM VI VOA-1

MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MV4B GC Column: Col 1 SDG No.: 5092300

Calibration Date(s): 01/10/2014 01/10/2014 Calibration Time(s): 16:50 20:36

LAB FILE ID

CAL1 = B011014CAL.B\B02.D CAL2 = B011014CAL.B\B03.D CAL3 = B011014CAL.B\B04.D

CAL4 = B011014CAL.B\B05.D CAL5 = B011014CAL.B\B06.D CAL6 = B011014CAL.B\B07.D

CAL7 = B011014CAL.B\B08.D CAL8 = B011014CAL.B\B09.D

COMPOUND	CURVE TYPE	CAL1	CAL2	CAL3	CAL4	CAL5	CAL6
Acetone	Linear	0.13849	0.07087	0.06019	0.05132	0.04292	0.03678
Benzene	Averaged	1.14317	0.88124	0.81551	0.84069	0.83492	0.83634
Bromodichloromethane	Averaged	0.30479	0.20497	0.21324	0.22069	0.22604	0.24762
Bromoform	Linear	0.24984	0.16566	0.16935	0.19962	0.20306	0.27993
Bromomethane	Averaged	0.13512	0.09524	0.08126	0.07183	0.06828	0.02343
2-Butanone (MEK)	Linear	0.16046	0.10187	0.08655	0.08516	0.08229	0.07979
Carbon disulfide	Averaged	0.61241	0.46155	0.41443	0.43612	0.45646	0.47067
Carbon tetrachloride	Averaged	0.28743	0.20650	0.22654	0.24632	0.25331	0.27576
Chlorobenzene	Averaged	1.13310	0.74975	0.72184	0.75831	0.72310	0.75728
Chloroethane	Averaged	0.09300	0.12575	0.13388	0.12138	0.12281	0.07630
Chloroform	Averaged	0.48838	0.35199	0.32632	0.34153	0.35046	0.35339
Chloromethane	Averaged	0.19889	0.26768	0.28167	0.26528	0.25427	0.23151
Cyclohexane	Averaged	0.34261	0.26598	0.25147	0.27037	0.26907	0.27809
1,2-Dibromo-3-chloropropane	Linear	0.06012	0.04177	0.03895	0.05259	0.05366	0.07474
Dibromochloromethane	Linear	0.25421	0.16695	0.15988	0.18810	0.18606	0.24620
1,2-Dibromoethane (EDB)	Averaged	0.29336	0.21143	0.19969	0.22616	0.21434	0.22593
1,2-Dichlorobenzene	Averaged	1.29134	0.90511	0.85814	0.86542	0.81342	0.89193
1,3-Dichlorobenzene	Averaged	1.34066	0.94617	0.84091	0.90378	0.84780	0.95121
1,4-Dichlorobenzene	Averaged	1.43678	0.94386	0.91944	0.95843	0.87490	0.95556
Dichlorodifluoromethane	Averaged	0.18721	0.31793	0.30868	0.28449	0.27456	0.25401
1,1-Dichloroethane	Averaged	0.42925	0.32979	0.32411	0.34592	0.35097	0.35530
1,2-Dichloroethane	Averaged	0.35034	0.26819	0.26737	0.28096	0.26636	0.25851
1,1-Dichloroethene	Averaged	0.22623	0.20582	0.15997	0.17384	0.17651	0.17320
cis-1,2-Dichloroethene	Averaged	0.29465	0.23234	0.22230	0.23506	0.23613	0.23860
trans-1,2-Dichloroethene	Averaged	0.24239	0.18718	0.18281	0.21395	0.21140	0.21987
1,2-Dichloropropane	Averaged	0.24909	0.20989	0.19560	0.20310	0.19853	0.20242
cis-1,3-Dichloropropene	Averaged	0.39493	0.29563	0.29214	0.32715	0.32883	0.39101
trans-1,3-Dichloropropene	Averaged	0.32357	0.23075	0.23021	0.25885	0.27188	0.32106
Ethylbenzene	Averaged	0.55473	0.38206	0.38110	0.39452	0.40080	0.41663
2-Hexanone	Averaged	0.20301	0.13503	0.12291	0.13546	0.12719	0.13068
Isopropylbenzene (Cumene)	Averaged	1.49325	1.09812	1.08041	1.14509	1.10629	1.19609
Methyl acetate	Linear	0.38799	0.21743	0.15681	0.14767	0.13854	0.10840
Methylcyclohexane	Averaged	0.28330	0.21463	0.19352	0.21271	0.20750	0.21372
Methylene Chloride	Linear	0.58482	0.36741	0.29780	0.24452	0.20798	0.18743
4-Methyl-2-pentanone (MIBK)	Linear	0.32345	0.21131	0.18974	0.20390	0.19071	0.18895

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

01/27/2014 9:52

MSV - FORM VI VOA-2

MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MV4B GC Column: Col 1 SDG No.: 5092300

Calibration Date(s): 01/10/2014 01/10/2014 Calibration Time(s): 16:50 20:36

LAB FILE ID

CAL1 = B011014CAL.B\B02.D CAL2 = B011014CAL.B\B03.D CAL3 = B011014CAL.B\B04.D

CAL4 = B011014CAL.B\B05.D CAL5 = B011014CAL.B\B06.D CAL6 = B011014CAL.B\B07.D

CAL7 = B011014CAL.B\B08.D CAL8 = B011014CAL.B\B09.D

COMPOUND	CURVE TYPE	CAL1	CAL2	CAL3	CAL4	CAL5	CAL6
Methyl-tert-butyl ether	Averaged	0.73077	0.56319	0.52445	0.53295	0.53382	0.52256
Styrene	Averaged	1.00113	0.68769	0.70450	0.75352	0.71956	0.80725
1,1,2,2-Tetrachloroethane	Averaged	0.72109	0.51904	0.49764	0.50800	0.46508	0.48340
Tetrachloroethene	Averaged	0.44064	0.31602	0.30977	0.31574	0.31833	0.34011
Toluene	Averaged	1.47377	1.09870	1.06637	1.09961	1.08135	1.13602
1,2,4-Trichlorobenzene	Linear	0.43633	0.30022	0.33556	0.40843	0.40521	0.52053
1,1,1-Trichloroethane	Averaged	0.37183	0.27336	0.30261	0.30570	0.31106	0.31867
1,1,2-Trichloroethane	Averaged	0.24367	0.18317	0.17352	0.17643	0.17065	0.17669
Trichloroethene	Averaged	0.29688	0.22167	0.20652	0.21386	0.21190	0.21988
Trichlorofluoromethane	Averaged	0.24651	0.31682	0.33251	0.31755	0.32022	0.28095
1,1,2-Trichlorotrifluoroethane	Averaged	0.21402	0.17659	0.16548	0.17739	0.18231	0.17813
Vinyl chloride	Averaged	0.18531	0.26107	0.27704	0.24651	0.25149	0.23060
m&p-Xylene	Averaged	0.68908	0.49263	0.45916	0.49735	0.47646	0.50010
o-Xylene	Averaged	0.62330	0.44101	0.45442	0.47747	0.45240	0.49088
4-Bromofluorobenzene (S)	Averaged	0.48169	0.47664	0.49342	0.48890	0.48238	0.48019
Dibromofluoromethane (S)	Averaged	0.25815	0.25343	0.25711	0.25897	0.25808	0.25546
Toluene-d8 (S)	Averaged	1.23358	1.21124	1.21858	1.22590	1.22757	1.24503

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSV - FORM VI VOA-3

MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MV4B GC Column: Col 1 SDG No.: 5092300

Calibration Date(s): 01/10/2014 01/10/2014 Calibration Time(s): 16:50 20:36

LAB FILE ID

CAL1 = B011014CAL.B\B02.D CAL2 = B011014CAL.B\B03.D CAL3 = B011014CAL.B\B04.D

CAL4 = B011014CAL.B\B05.D CAL5 = B011014CAL.B\B06.D CAL6 = B011014CAL.B\B07.D

CAL7 = B011014CAL.B\B08.D CAL8 = B011014CAL.B\B09.D

COMPOUND	CURVE TYPE	CAL7	CAL8
Acetone	Linear	0.03702	0.03353
Benzene	Averaged	0.83847	0.80802
Bromodichloromethane	Averaged	0.26553	0.26459
Bromoform	Linear	0.34138	0.37664
Bromomethane	Averaged	0.01678	0.01481
2-Butanone (MEK)	Linear	0.08196	0.07935
Carbon disulfide	Averaged	0.44507	0.36384
Carbon tetrachloride	Averaged	0.29203	0.28349
Chlorobenzene	Averaged	0.75978	0.72132
Chloroethane	Averaged		
Chloroform	Averaged	0.35849	0.34498
Chloromethane	Averaged	0.22388	0.17386
Cyclohexane	Averaged	0.27624	0.26316
1,2-Dibromo-3-chloropropane	Linear	0.09462	0.11049
Dibromochloromethane	Linear	0.26818	0.28480
1,2-Dibromoethane (EDB)	Averaged	0.23945	0.25152
1,2-Dichlorobenzene	Averaged	0.93399	0.86847
1,3-Dichlorobenzene	Averaged	0.99983	0.99768
1,4-Dichlorobenzene	Averaged	1.01508	0.98581
Dichlorodifluoromethane	Averaged	0.23464	
1,1-Dichloroethane	Averaged	0.36154	0.35151
1,2-Dichloroethane	Averaged	0.25337	0.24283
1,1-Dichloroethene	Averaged	0.16257	0.13313
cis-1,2-Dichloroethene	Averaged	0.24520	0.24206
trans-1,2-Dichloroethene	Averaged	0.21059	0.19012
1,2-Dichloropropane	Averaged	0.20658	0.20206
cis-1,3-Dichloropropene	Averaged	0.41295	0.43009
trans-1,3-Dichloropropene	Averaged	0.34799	0.36747
Ethylbenzene	Averaged	0.41293	0.38120
2-Hexanone	Averaged	0.13095	0.11855
Isopropylbenzene (Cumene)	Averaged	1.16899	1.06027
Methyl acetate	Linear	0.10966	0.10053
Methylcyclohexane	Averaged	0.21362	0.20691
Methylene Chloride	Linear	0.17404	0.15859
4-Methyl-2-pentanone (MIBK)	Linear	0.18681	0.16880

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

01/27/2014 9:53

MSV - FORM VI VOA-4

MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MV4B GC Column: Col 1 SDG No.: 5092300

Calibration Date(s): 01/10/2014 01/10/2014 Calibration Time(s): 16:50 20:36

LAB FILE ID

CAL1 = B011014CAL.B\B02.D CAL2 = B011014CAL.B\B03.D CAL3 = B011014CAL.B\B04.D

CAL4 = B011014CAL.B\B05.D CAL5 = B011014CAL.B\B06.D CAL6 = B011014CAL.B\B07.D

CAL7 = B011014CAL.B\B08.D CAL8 = B011014CAL.B\B09.D

COMPOUND	CURVE TYPE	CAL7	CAL8
Methyl-tert-butyl ether	Averaged	0.50991	0.43152
Styrene	Averaged	0.78198	0.64425
1,1,2,2-Tetrachloroethane	Averaged	0.50893	0.49264
Tetrachloroethene	Averaged	0.34595	0.34301
Toluene	Averaged	1.12360	1.08288
1,2,4-Trichlorobenzene	Linear	0.59344	0.63176
1,1,1-Trichloroethane	Averaged	0.32427	0.31662
1,1,2-Trichloroethane	Averaged	0.18478	0.18904
Trichloroethene	Averaged	0.22338	0.21588
Trichlorofluoromethane	Averaged	0.24314	
1,1,2-Trichlorotrifluoroethane	Averaged	0.16228	0.13756
Vinyl chloride	Averaged	0.23697	0.17813
m&p-Xylene	Averaged	0.45254	0.35570
o-Xylene	Averaged	0.47415	0.39746
4-Bromofluorobenzene (S)	Averaged	0.47073	0.48016
Dibromofluoromethane (S)	Averaged	0.25974	0.25497
Toluene-d8 (S)	Averaged	1.21926	1.25424

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSV - FORM VI VOA-5

MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MV4B GC Column: Col 1 SDG No.: 5092300

Calibration Date(s): 01/10/2014 01/10/2014 Calibration Time(s): 16:50 20:36

LAB FILE ID

CAL1 = B011014CAL.B\B02.D CAL2 = B011014CAL.B\B03.D CAL3 = B011014CAL.B\B04.D

CAL4 = B011014CAL.B\B05.D CAL5 = B011014CAL.B\B06.D CAL6 = B011014CAL.B\B07.D

CAL7 = B011014CAL.B\B08.D CAL8 = B011014CAL.B\B09.D

COMPOUND	CURVE TYPE	%RSD	R2	A1	A2	A3
Acetone	Linear		0.99797	0.01084	0.03381	
Benzene	Averaged	12.64049			0.87480	
Bromodichloromethane	Averaged	13.82539			0.24343	
Bromoform	Linear		0.99717	-0.03061	0.37435	
Bromomethane	Averaged	67.25302			0.06334	
2-Butanone (MEK)	Linear		0.99978	0.00490	0.07965	
Carbon disulfide	Averaged	15.54785			0.45757	
Carbon tetrachloride	Averaged	12.02161			0.25892	
Chlorobenzene	Averaged	17.64204			0.79056	
Chloroethane	Averaged	19.96457			0.11219	
Chloroform	Averaged	14.00148			0.36444	
Chloromethane	Averaged	15.67907			0.23713	
Cyclohexane	Averaged	10.00184			0.27712	
1,2-Dibromo-3-chloropropane	Linear		0.99418	-0.01136	0.10911	
Dibromochloromethane	Linear		0.99905	-0.01447	0.28386	
1,2-Dibromoethane (EDB)	Averaged	12.62929			0.23273	
1,2-Dichlorobenzene	Averaged	16.24961			0.92848	
1,3-Dichlorobenzene	Averaged	16.17566			0.97851	
1,4-Dichlorobenzene	Averaged	17.49885			1.01123	
Dichlorodifluoromethane	Averaged	17.00416			0.26593	
1,1-Dichloroethane	Averaged	9.03756			0.35605	
1,2-Dichloroethane	Averaged	12.08611			0.27349	
1,1-Dichloroethene	Averaged	16.17384			0.17641	
cis-1,2-Dichloroethene	Averaged	8.98403			0.24329	
trans-1,2-Dichloroethene	Averaged	9.57984			0.20729	
1,2-Dichloropropane	Averaged	8.16462			0.20841	
cis-1,3-Dichloropropene	Averaged	15.14023			0.35909	
trans-1,3-Dichloropropene	Averaged	18.05252			0.29397	
Ethylbenzene	Averaged	13.95269			0.41550	
2-Hexanone	Averaged	19.50096			0.13797	
Isopropylbenzene (Cumene)	Averaged	11.88711			1.16856	
Methyl acetate	Linear		0.99845	0.00605	0.10117	
Methylcyclohexane	Averaged	12.45659			0.21824	
Methylene Chloride	Linear		0.99791	0.01220	0.15956	
4-Methyl-2-pentanone (MIBK)	Linear		0.99761	0.03882	0.17104	

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

01/27/2014 9:53

MSV - FORM VI VOA-6

MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MV4B GC Column: Col 1 SDG No.: 5092300

Calibration Date(s): 01/10/2014 01/10/2014 Calibration Time(s): 16:50 20:36

LAB FILE ID

CAL1 = B011014CAL.B\B02.D CAL2 = B011014CAL.B\B03.D CAL3 = B011014CAL.B\B04.D

CAL4 = B011014CAL.B\B05.D CAL5 = B011014CAL.B\B06.D CAL6 = B011014CAL.B\B07.D

CAL7 = B011014CAL.B\B08.D CAL8 = B011014CAL.B\B09.D

COMPOUND	CURVE TYPE	%RSD	R2	A1	A2	A3
Methyl-tert-butyl ether	Averaged	15.56666			0.54365	
Styrene	Averaged	14.38320			0.76249	
1,1,2,2-Tetrachloroethane	Averaged	15.48117			0.52448	
Tetrachloroethene	Averaged	12.48787			0.34120	
Toluene	Averaged	11.75743			1.14529	
1,2,4-Trichlorobenzene	Linear		0.99877	-0.03687	0.62990	
1,1,1-Trichloroethane	Averaged	8.73714			0.31551	
1,1,2-Trichloroethane	Averaged	12.60994			0.18724	
Trichloroethene	Averaged	12.84817			0.22625	
Trichlorofluoromethane	Averaged	12.62065			0.29396	
1,1,2-Trichlorotrifluoroethane	Averaged	12.35562			0.17422	
Vinyl chloride	Averaged	14.97980			0.23339	
m&p-Xylene	Averaged	18.93787			0.49038	
o-Xylene	Averaged	13.81899			0.47639	
4-Bromofluorobenzene (S)	Averaged	1.44701			0.48176	
Dibromofluoromethane (S)	Averaged	0.84674			0.25699	
Toluene-d8 (S)	Averaged	1.16834			1.22943	

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSV - FORM VII VOA-1
MSV INITIAL CALIBRATION DATA

SAMPLE NO.
6414189ICV

Lab Name: Pace Analytical - Indiana
Calibration Date: 01/10/2014 Time: 21:40
Instrument ID: 50MV4B GC Column: Col 1
Init. Calib. Date(s): 01/10/2014 01/10/2014
Lab File ID: B011014CAL.B\B11ICV.D
Init. Calib. Time(s): 16:18 20:36
SDG No.: 5092300

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Acetone	Linear	250	247.4408	0.0100	-1.0237	20.0000
Benzene	Averaged	0.87480	0.80965	0.5000	-6.6093	20.0000
Bromodichloromethane	Averaged	0.24343	0.24615	0.2000	0.5362	20.0000
Bromoform	Linear	50	45.25411	0.1000	-9.4918	20.0000
Bromomethane	Averaged	0.06334	0.05840	0.1000	-54.5047	20.0000
2-Butanone (MEK)	Linear	250	238.6862	0.0100	-4.5255	20.0000
Carbon disulfide	Averaged	0.45757	0.47977	0.1000	-6.9519	20.0000
Carbon tetrachloride	Averaged	0.25892	0.27326	0.1000	4.3622	20.0000
Chlorobenzene	Averaged	0.79056	0.75822	0.5000	0.1104	20.0000
Chloroethane	Averaged	0.11219	0.09035	0.1000	-35.1402	20.0000
Chloroform	Averaged	0.36444	0.34872	0.2000	-5.9709	20.0000
Chloromethane	Averaged	0.23713	0.21290	0.1000	-5.7652	20.0000
Cyclohexane	Averaged	0.27712	0.32518	0.1000	-5.3780	20.0000
1,2-Dibromo-3-chloropropane	Linear	50	44.80841	0.0500	-10.3832	20.0000
Dibromochloromethane	Linear	50	45.32699	0.1000	-9.3460	20.0000
1,2-Dibromoethane (EDB)	Averaged	0.23273	0.23805	0.1000	5.1236	20.0000
1,2-Dichlorobenzene	Averaged	0.92848	0.94154	0.4000	3.6260	20.0000
1,3-Dichlorobenzene	Averaged	0.97851	0.98603	0.6000	4.4678	20.0000
1,4-Dichlorobenzene	Averaged	1.01123	0.99634	0.5000	2.2597	20.0000
Dichlorodifluoromethane	Averaged	0.26593	0.23789	0.1000	-8.1055	20.0000
1,1-Dichloroethane	Averaged	0.35605	0.34511	0.2000	-2.1193	20.0000
1,2-Dichloroethane	Averaged	0.27349	0.24834	0.1000	-6.6419	20.0000
1,1-Dichloroethene	Averaged	0.17641	0.16384	0.1000	-10.0860	20.0000
cis-1,2-Dichloroethene	Averaged	0.24329	0.22435	0.1000	-4.1437	20.0000
trans-1,2-Dichloroethene	Averaged	0.20729	0.20359	0.1000	2.1598	20.0000
1,2-Dichloropropane	Averaged	0.20841	0.19237	0.1000	-4.3948	20.0000
cis-1,3-Dichloropropene	Averaged	0.35909	0.38715	0.2000	11.5615	20.0000
trans-1,3-Dichloropropene	Averaged	0.29397	0.33109	0.1000	13.5037	20.0000
Ethylbenzene	Averaged	0.41550	0.41447	0.1000	3.7336	20.0000
2-Hexanone	Averaged	0.13797	0.13672	0.0500	3.4024	20.0000
Isopropylbenzene (Cumene)	Averaged	1.16856	1.18938	0.1000	3.8829	20.0000
Methyl acetate	Linear	50	48.89172	0.1000	-2.2165	20.0000
Methylcyclohexane	Averaged	0.21824	0.23633	0.1000	-7.0066	20.0000
Methylene Chloride	Linear	50	51.81076	0.1000	3.6215	20.0000
4-Methyl-2-pentanone (MIBK)	Linear	250	280.3137	0.0500	12.1255	20.0000
Methyl-tert-butyl ether	Averaged	0.54365	0.52978	0.1000	-2.9922	20.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

01/27/2014 9:52

MSV - FORM VII VOA-2
MSV INITIAL CALIBRATION DATA

SAMPLE NO.: 6414189ICV

Lab Name: Pace Analytical - Indiana Calibration Date: 01/10/2014 Time: 21:40

Instrument ID: 50MV4B GC Column: Col 1 Init. Calib. Date(s): 01/10/2014 01/10/2014

Lab File ID: B011014CAL.B\B11ICV.D Init. Calib. Time(s): 16:18 20:36

SDG No.: 5092300

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Styrene	Averaged	0.76249	0.81896	0.3000	12.2597	20.0000
1,1,2,2-Tetrachloroethane	Averaged	0.52448	0.51864	0.3000	2.5723	20.0000
Tetrachloroethene	Averaged	0.34120	0.33356	0.2000	1.6746	20.0000
Toluene	Averaged	1.14529	1.13272	0.4000	1.3388	20.0000
1,2,4-Trichlorobenzene	Linear	50	45.30366	0.2000	-9.3927	20.0000
1,1,1-Trichloroethane	Averaged	0.31551	0.30554	0.1000	-1.7865	20.0000
1,1,2-Trichloroethane	Averaged	0.18724	0.18624	0.1000	0.1268	20.0000
Trichloroethene	Averaged	0.22625	0.21356	0.2000	-7.1974	20.0000
Trichlorofluoromethane	Averaged	0.29396	0.27109	0.1000	-9.5009	20.0000
1,1,2-Trichlorotrifluoroethane	Averaged	0.17422	0.18367	0.1000	-7.8500	20.0000
Vinyl chloride	Averaged	0.23339	0.21483	0.1000	-7.2096	20.0000
m&p-Xylene	Averaged	0.49038	0.50381	0.1000	5.1618	20.0000
o-Xylene	Averaged	0.47639	0.48077	0.3000	7.0541	20.0000
4-Bromofluorobenzene (S)	Averaged	0.48176	0.45670	0.1000	-5.4269	20.0000
Dibromofluoromethane (S)	Averaged	0.25699	0.25498	0.1000	-1.0739	20.0000
Toluene-d8 (S)	Averaged	1.22943	1.25318	0.1000	2.7404	20.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSV - FORM VII VOA-1
MSV CONTINUING CALIBRATION DATA

SAMPLE NO.: 6425467CCV

Lab Name: Pace Analytical - Indiana
Calibration Date: 01/15/2014 Time: 11:50

Instrument ID: 50MV4B GC Column: Col 1
Init. Calib. Date(s): 01/10/2014 01/10/2014

Lab File ID: B011514.B\B01CCV.D
Init. Calib. Time(s): 16:18 20:36

SDG No.: 5092300

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Acetone	Linear	250	244.8829	0.0100	-2.0468	20.0000
Benzene	Averaged	0.87480	0.79807	0.5000	-8.7712	20.0000
Bromodichloromethane	Averaged	0.24343	0.23546	0.2000	-3.2752	20.0000
Bromoform	Linear	50	42.71909	0.1000	-14.5618	20.0000
Bromomethane	Averaged	0.06334	0.02105	0.1000	-66.7695	20.0000
2-Butanone (MEK)	Linear	250	258.2667	0.0100	3.3067	20.0000
Carbon disulfide	Averaged	0.45757	0.38446	0.1000	-15.9784	20.0000
Carbon tetrachloride	Averaged	0.25892	0.26893	0.1000	3.8663	20.0000
Chlorobenzene	Averaged	0.79056	0.77023	0.5000	-2.5716	20.0000
Chloroethane	Averaged	0.11219	0.06419	0.1000	-42.7841	20.0000
Chloroform	Averaged	0.36444	0.34172	0.2000	-6.2362	20.0000
Chloromethane	Averaged	0.23713	0.20574	0.1000	-13.2391	20.0000
Cyclohexane	Averaged	0.27712	0.26429	0.1000	-4.6307	20.0000
1,2-Dibromo-3-chloropropane	Linear	50	43.50222	0.0500	-12.9955	20.0000
Dibromochloromethane	Linear	50	44.07498	0.1000	-11.8500	20.0000
1,2-Dibromoethane (EDB)	Averaged	0.23273	0.24486	0.1000	5.2114	20.0000
1,2-Dichlorobenzene	Averaged	0.92848	0.93938	0.4000	1.1738	20.0000
1,3-Dichlorobenzene	Averaged	0.97851	0.99362	0.6000	1.5446	20.0000
1,4-Dichlorobenzene	Averaged	1.01123	1.00705	0.5000	-0.4134	20.0000
Dichlorodifluoromethane	Averaged	0.26593	0.23506	0.1000	-11.6082	20.0000
1,1-Dichloroethane	Averaged	0.35605	0.34044	0.2000	-4.3832	20.0000
1,2-Dichloroethane	Averaged	0.27349	0.26222	0.1000	-4.1219	20.0000
1,1-Dichloroethene	Averaged	0.17641	0.15302	0.1000	-13.2589	20.0000
cis-1,2-Dichloroethene	Averaged	0.24329	0.23328	0.1000	-4.1165	20.0000
trans-1,2-Dichloroethene	Averaged	0.20729	0.21243	0.1000	2.4811	20.0000
1,2-Dichloropropane	Averaged	0.20841	0.19517	0.1000	-6.3508	20.0000
cis-1,3-Dichloropropene	Averaged	0.35909	0.38689	0.2000	7.7422	20.0000
trans-1,3-Dichloropropene	Averaged	0.29397	0.31332	0.1000	6.5804	20.0000
Ethylbenzene	Averaged	0.41550	0.41170	0.1000	-0.9142	20.0000
2-Hexanone	Averaged	0.13797	0.14438	0.0500	4.6456	20.0000
Isopropylbenzene (Cumene)	Averaged	1.16856	1.19624	0.1000	2.3681	20.0000
Methyl acetate	Linear	50	49.55423	0.1000	-0.8915	20.0000
Methylcyclohexane	Averaged	0.21824	0.20692	0.1000	-5.1843	20.0000
Methylene Chloride	Linear	50	58.13778	0.1000	16.2756	20.0000
4-Methyl-2-pentanone (MIBK)	Linear	250	296.0112	0.0500	18.4045	20.0000
Methyl-tert-butyl ether	Averaged	0.54365	0.51784	0.1000	-4.7477	20.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSV - FORM VII VOA-2
MSV CONTINUING CALIBRATION DATA

SAMPLE:
6425467CCV

Lab Name: Pace Analytical - Indiana
Calibration Date: 01/15/2014 Time: 11:50
Instrument ID: 50MV4B GC Column: Col 1
Init. Calib. Date(s): 01/10/2014 01/10/2014
Lab File ID: B011514.B\B01CCV.D
Init. Calib. Time(s): 16:18 20:36
SDG No.: 5092300

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Styrene	Averaged	0.76249	0.81138	0.3000	6.4120	20.0000
1,1,2,2-Tetrachloroethane	Averaged	0.52448	0.53795	0.3000	2.5695	20.0000
Tetrachloroethene	Averaged	0.34120	0.34061	0.2000	-0.1725	20.0000
Toluene	Averaged	1.14529	1.11101	0.4000	-2.9928	20.0000
1,2,4-Trichlorobenzene	Linear	50	46.16162	0.2000	-7.6767	20.0000
1,1,1-Trichloroethane	Averaged	0.31551	0.30507	0.1000	-3.3099	20.0000
1,1,2-Trichloroethane	Averaged	0.18724	0.18081	0.1000	-3.4373	20.0000
Trichloroethene	Averaged	0.22625	0.21338	0.2000	-5.6854	20.0000
Trichlorofluoromethane	Averaged	0.29396	0.25304	0.1000	-13.9194	20.0000
1,1,2-Trichlorotrifluoroethane	Averaged	0.17422	0.16192	0.1000	-7.0594	20.0000
Vinyl chloride	Averaged	0.23339	0.20854	0.1000	-10.6453	20.0000
m&p-Xylene	Averaged	0.49038	0.50408	0.1000	2.7927	20.0000
o-Xylene	Averaged	0.47639	0.49263	0.3000	3.4104	20.0000
4-Bromofluorobenzene (S)	Averaged	0.48176	0.45883	0.1000	-4.7603	20.0000
Dibromofluoromethane (S)	Averaged	0.25699	0.25701	0.1000	0.0076	20.0000
Toluene-d8 (S)	Averaged	1.22943	1.22290	0.1000	-0.5311	20.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSV - FORM VIII VOA-1

MSV INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Pace Analytical - Indiana SDG No.: 5092300 Contract: E027037 / Allison Trans

Sample ID : 6425467CCV Init. Calib. Date: 01/10/2014 Time: 01/10/2014

Instrument ID: 50MV4B GC Column: Col 1 Date Analyzed: 01/15/2014

Lab File ID: B011514.B\B01CCV.D Time Analyzed: 11:50

		AREA CBZ	RT	AREA DCB	RT	AREA FBZ	RT
12 HOUR STD		505740	7.875	279593	9.263	618396	5.192
UPPER LIMIT		1011480	8.375	559186	9.763	1236792	5.692
LOWER LIMIT		252870	7.375	139796.5	8.763	309198	4.692
LAB SAMPLE ID	SAMPLE NO.						
1039437	1039437BLANK	486681	7.875	260214	9.269	612745	5.192
1039438	1039438LCS	498027	7.875	277699	9.269	627101	5.192
5092300001	TB-1(011414)-WK	464073	7.869	251049	9.269	592525	5.192
5092300002	MW-0630-S3(011414)	495562	7.875	260526	9.269	620949	5.192

CBZ = Chlorobenzene-D5 (IS)

DCB = 1,4-Dichlorobenzene-d4 (IS)

FBZ = Fluorobenzene (IS)

AREA UPPER LIMIT = 200% 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

* Values outside of QC Limits

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

TB-1(011414)-WK

Lab Name: Pace Analytical - Indiana Contract: E027037 / Allison Trans

Date Received: 01/14/2014 17:03 Matrix: Water SDG No.: 5092300

Date Extracted: 01/15/2014 18:44 Lab Sample ID: 5092300001

Date Analyzed: 01/15/2014 18:44 Lab File ID: B011514.B\B13.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV4B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	ND	U
71-43-2	Benzene	ND	U
75-27-4	Bromodichloromethane	ND	U
75-25-2	Bromoform	ND	U
74-83-9	Bromomethane	ND	U
78-93-3	2-Butanone (MEK)	ND	U
75-15-0	Carbon disulfide	ND	U
56-23-5	Carbon tetrachloride	ND	U
108-90-7	Chlorobenzene	ND	U
75-00-3	Chloroethane	ND	U
67-66-3	Chloroform	ND	U
74-87-3	Chloromethane	ND	U
110-82-7	Cyclohexane	ND	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	U
124-48-1	Dibromochloromethane	ND	U
106-93-4	1,2-Dibromoethane (EDB)	ND	U
95-50-1	1,2-Dichlorobenzene	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
75-71-8	Dichlorodifluoromethane	ND	U
75-34-3	1,1-Dichloroethane	ND	U
107-06-2	1,2-Dichloroethane	ND	U
75-35-4	1,1-Dichloroethene	ND	U
156-59-2	cis-1,2-Dichloroethene	ND	U
156-60-5	trans-1,2-Dichloroethene	ND	U
78-87-5	1,2-Dichloropropane	ND	U
10061-01-5	cis-1,3-Dichloropropene	ND	U
10061-02-6	trans-1,3-Dichloropropene	ND	U
100-41-4	Ethylbenzene	ND	U
591-78-6	2-Hexanone	ND	U
98-82-8	Isopropylbenzene (Cumene)	ND	U
79-20-9	Methyl acetate	ND	U
108-87-2	Methylcyclohexane	ND	U
75-09-2	Methylene Chloride	ND	U
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	U
1634-04-4	Methyl-tert-butyl ether	ND	U
100-42-5	Styrene	ND	U

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

TB-1(011414)-WK

Lab Name: Pace Analytical - Indiana Contract: E027037 / Allison Trans

Date Received: 01/14/2014 17:03 Matrix: Water SDG No.: 5092300

Date Extracted: 01/15/2014 18:44 Lab Sample ID: 5092300001

Date Analyzed: 01/15/2014 18:44 Lab File ID: B011514.B\B13.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV4B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	ND	U
127-18-4	Tetrachloroethene	ND	U
108-88-3	Toluene	ND	U
120-82-1	1,2,4-Trichlorobenzene	ND	U
71-55-6	1,1,1-Trichloroethane	ND	U
79-00-5	1,1,2-Trichloroethane	ND	U
79-01-6	Trichloroethene	ND	U
75-69-4	Trichlorofluoromethane	ND	U
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U
75-01-4	Vinyl chloride	ND	U
1330-20-7	Xylene (Total)	ND	U

Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b13.d Page 1
Report Date: 16-Jan-2014 18:14

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv4b.i\b011514.b\b13.d
Lab Smp Id: 5092300001 Client Smp ID: TB-1(011414)-WK
Inj Date : 15-JAN-2014 18:44
Operator : rsw Inst ID: 50mv4b.i
Smp Info : 5092300001
Misc Info : 61069
Comment :
Method : \\192.168.50.6\chem\50mv4b.i\b011514.b\-b8260_a_b.m
Meth Date : 16-Jan-2014 11:48 rwrede Quant Type: ISTD
Cal Date : 10-JAN-2014 20:36 Cal File: b09.d
Als bottle: 28
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
$ 35 Dibromofluoromethane (S)	113	4.427	4.433	(0.853)	142975	46.9468	46.9
* 44 Fluorobenzene	96	5.192	5.192	(1.000)	592525	50.0000	
$ 55 Toluene-d8	98	6.774	6.774	(0.861)	593688	52.0283	52.0
56 Toluene	91	6.833	6.833	(0.868)	3113	0.29285	0.293
* 65 Chlorobenzene-d5	117	7.868	7.874	(1.000)	464073	50.0000	
$ 74 4-Bromofluorobenzene	95	8.598	8.603	(1.093)	212946	47.6232	47.6
* 88 1,4-Dichlorobenzene-d4	152	9.268	9.274	(1.000)	251049	50.0000	

Reference 23

Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b13.d

Page 2

Date : 15-JAN-2014 18:44

Client ID: TB-1(011414)-WK

Instrument: 50mv4b.i

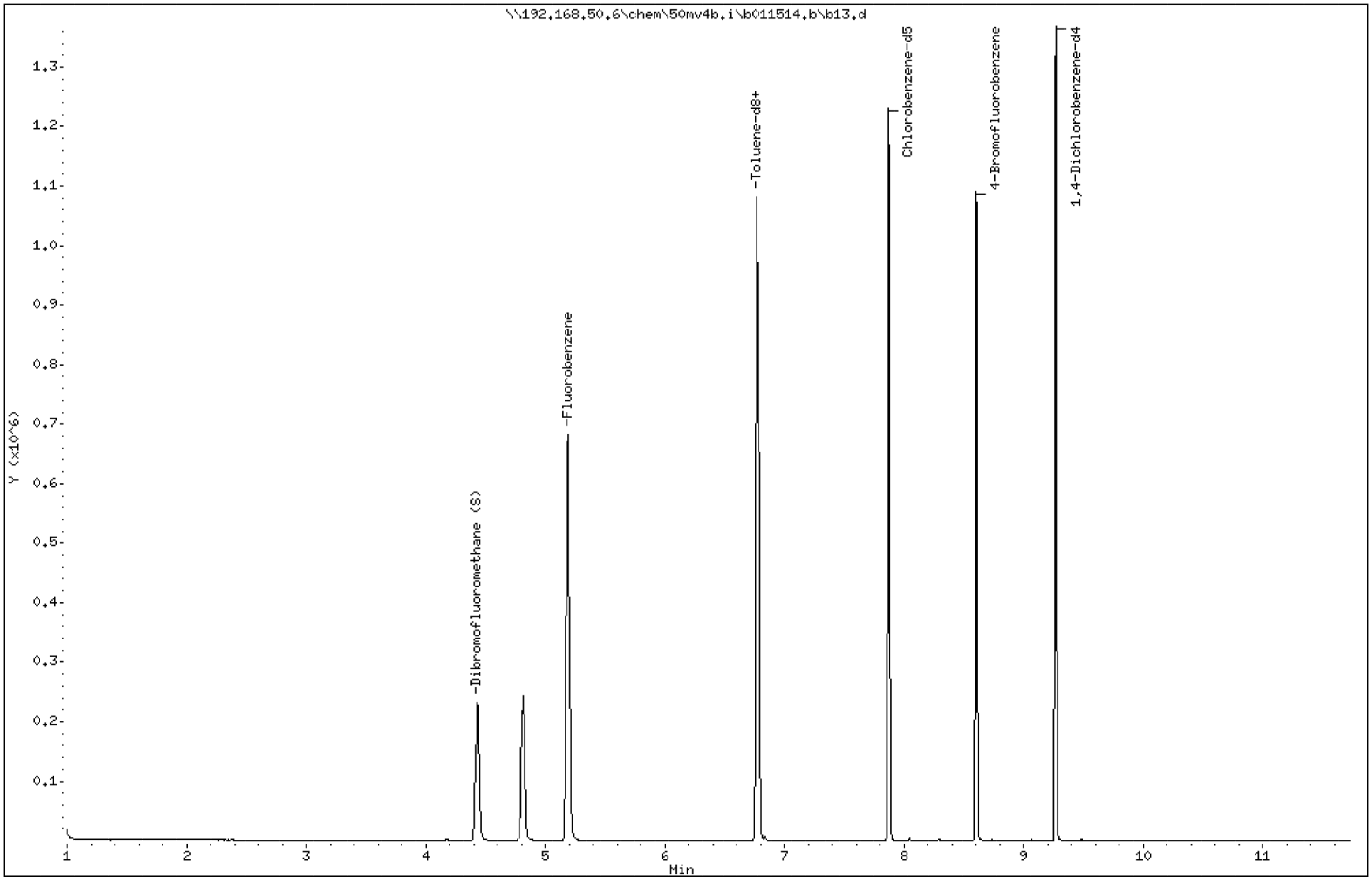
Sample Info: 5092300001

Purge Volume: 5.0

Operator: rsw

Column phase: DB-624

Column diameter: 0.18



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Date : 15-JAN-2014 18:44

Client ID: TB-1(011414)-WK

Instrument: 50mv4b.i

Sample Info: 5092300001

Purge Volume: 5.0

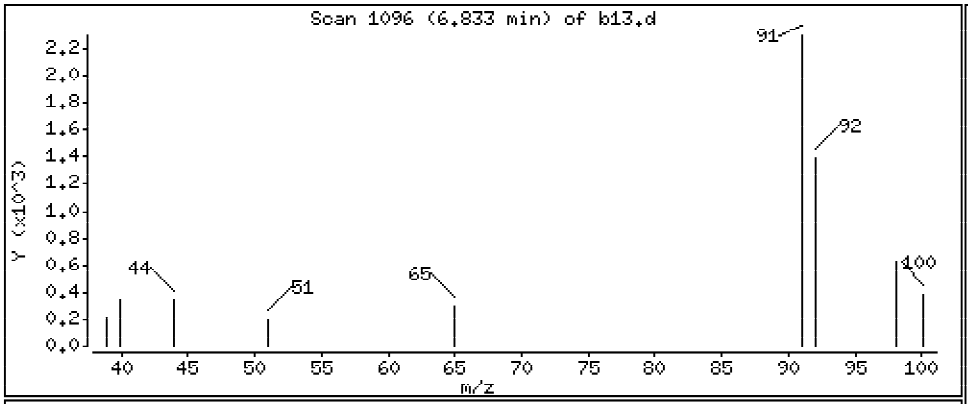
Operator: rsw

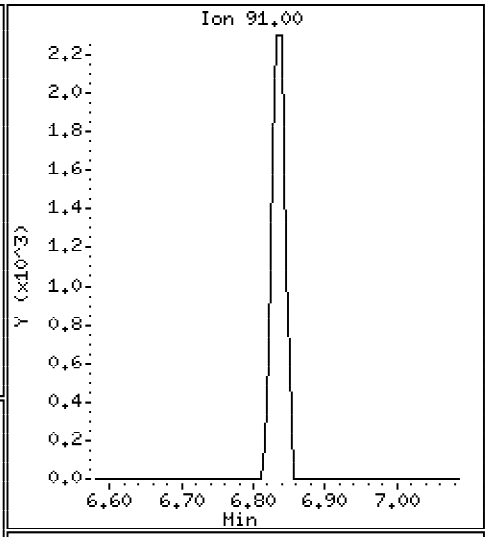
Column phase: DB-624

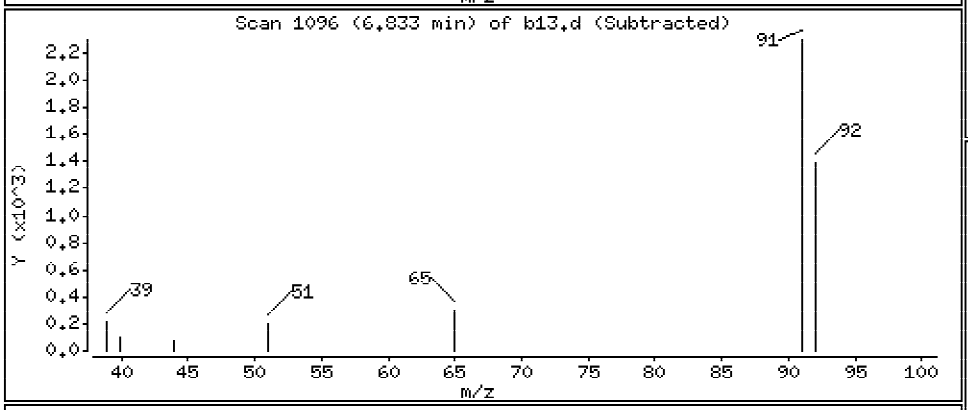
Column diameter: 0.18

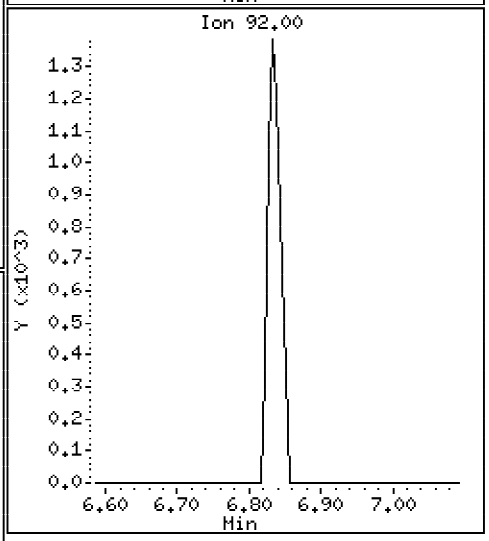
56 Toluene

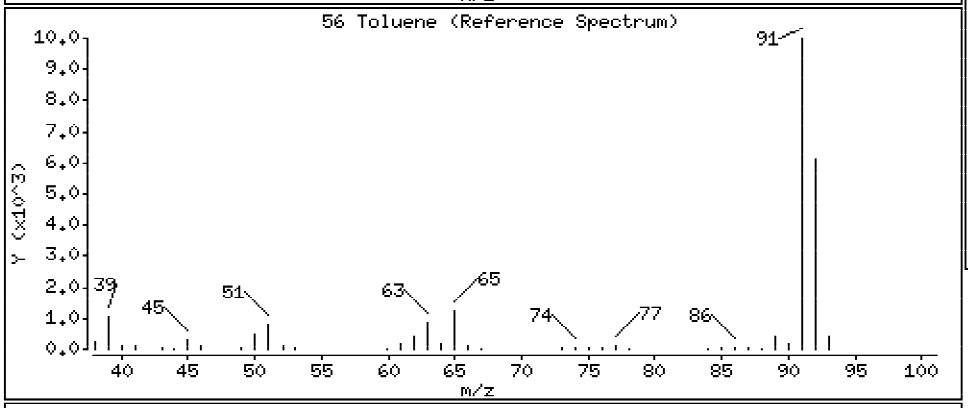
Concentration: 0.293 ppb

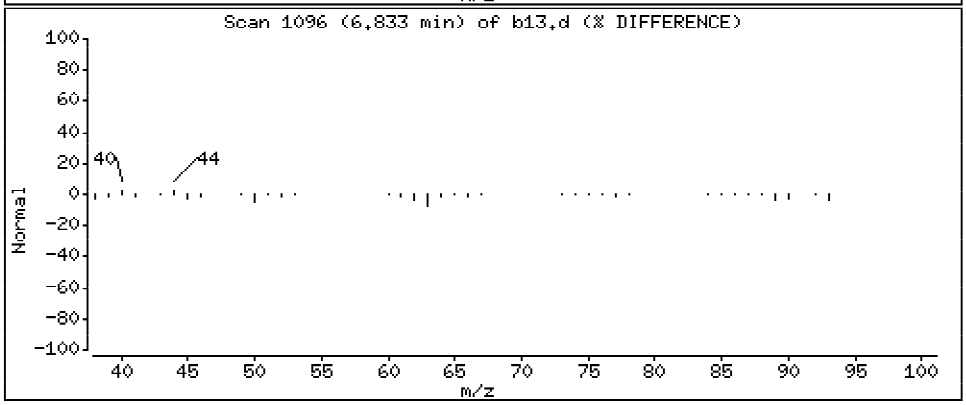












MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

MW-0630-S3(011414)

Lab Name: Pace Analytical - Indiana Contract: E027037 / Allison Trans

Date Received: 01/14/2014 17:03 Matrix: Water SDG No.: 5092300

Date Extracted: 01/15/2014 19:18 Lab Sample ID: 5092300002

Date Analyzed: 01/15/2014 19:18 Lab File ID: B011514.B\B14.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV4B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	ND	U
71-43-2	Benzene	ND	U
75-27-4	Bromodichloromethane	ND	U
75-25-2	Bromoform	ND	U
74-83-9	Bromomethane	ND	U
78-93-3	2-Butanone (MEK)	ND	U
75-15-0	Carbon disulfide	ND	U
56-23-5	Carbon tetrachloride	ND	U
108-90-7	Chlorobenzene	ND	U
75-00-3	Chloroethane	ND	U
67-66-3	Chloroform	ND	U
74-87-3	Chloromethane	ND	U
110-82-7	Cyclohexane	ND	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	U
124-48-1	Dibromochloromethane	ND	U
106-93-4	1,2-Dibromoethane (EDB)	ND	U
95-50-1	1,2-Dichlorobenzene	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
75-71-8	Dichlorodifluoromethane	ND	U
75-34-3	1,1-Dichloroethane	ND	U
107-06-2	1,2-Dichloroethane	ND	U
75-35-4	1,1-Dichloroethene	ND	U
156-59-2	cis-1,2-Dichloroethene	6.0	
156-60-5	trans-1,2-Dichloroethene	ND	U
78-87-5	1,2-Dichloropropane	ND	U
10061-01-5	cis-1,3-Dichloropropene	ND	U
10061-02-6	trans-1,3-Dichloropropene	ND	U
100-41-4	Ethylbenzene	ND	U
591-78-6	2-Hexanone	ND	U
98-82-8	Isopropylbenzene (Cumene)	ND	U
79-20-9	Methyl acetate	ND	U
108-87-2	Methylcyclohexane	ND	U
75-09-2	Methylene Chloride	ND	U
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	U
1634-04-4	Methyl-tert-butyl ether	ND	U
100-42-5	Styrene	ND	U

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

MW-0630-S3(011414)

Lab Name: Pace Analytical - Indiana Contract: E027037 / Allison Trans

Date Received: 01/14/2014 17:03 Matrix: Water SDG No.: 5092300

Date Extracted: 01/15/2014 19:18 Lab Sample ID: 5092300002

Date Analyzed: 01/15/2014 19:18 Lab File ID: B011514.B\B14.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV4B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	ND	U
127-18-4	Tetrachloroethene	ND	U
108-88-3	Toluene	ND	U
120-82-1	1,2,4-Trichlorobenzene	ND	U
71-55-6	1,1,1-Trichloroethane	ND	U
79-00-5	1,1,2-Trichloroethane	ND	U
79-01-6	Trichloroethene	ND	U
75-69-4	Trichlorofluoromethane	ND	U
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U
75-01-4	Vinyl chloride	ND	U
1330-20-7	Xylene (Total)	ND	U

Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b14.d Page 1
Report Date: 16-Jan-2014 18:14

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv4b.i\b011514.b\b14.d
Lab Smp Id: 5092300002 Client Smp ID: MW-0630-S3(011414)
Inj Date : 15-JAN-2014 19:18
Operator : rsw Inst ID: 50mv4b.i
Smp Info : 5092300002
Misc Info : 61069
Comment :
Method : \\192.168.50.6\chem\50mv4b.i\b011514.b\-b8260_a_b.m
Meth Date : 16-Jan-2014 11:48 rwrede Quant Type: ISTD
Cal Date : 10-JAN-2014 20:36 Cal File: b09.d
Als bottle: 30
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
	22 1,2-Dichloroethene (trans)	96	2.627	2.627	(0.506)	1534	0.59589	0.596
	27 1,2-Dichloroethene (cis)	96	3.780	3.780	(0.728)	18279	6.04979	6.05
$	35 Dibromofluoromethane (S)	113	4.433	4.433	(0.854)	150904	47.2822	47.3
*	44 Fluorobenzene	96	5.192	5.192	(1.000)	620949	50.0000	
$	55 Toluene-d8	98	6.774	6.774	(0.860)	622036	51.0488	51.0
	56 Toluene	91	6.833	6.833	(0.868)	2756	0.24279	0.243
*	65 Chlorobenzene-d5	117	7.874	7.874	(1.000)	495562	50.0000	
$	74 4-Bromofluorobenzene	95	8.603	8.603	(1.093)	223733	46.8563	46.8
	79 n-Propylbenzene	91	8.756	8.756	(0.945)	1306	0.10850	0.108(Q)
	81 1,3,5-Trimethylbenzene	105	8.856	8.856	(0.956)	2066	0.23933	0.239
	84 1,2,4-Trimethylbenzene	105	9.074	9.074	(0.979)	6663	0.75590	0.756
*	88 1,4-Dichlorobenzene-d4	152	9.268	9.274	(1.000)	260526	50.0000	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Reference 23

Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b14.d

Date : 15-JAN-2014 19:18

Client ID: MW-0630-S3(011414)

Instrument: 50mv4b.i

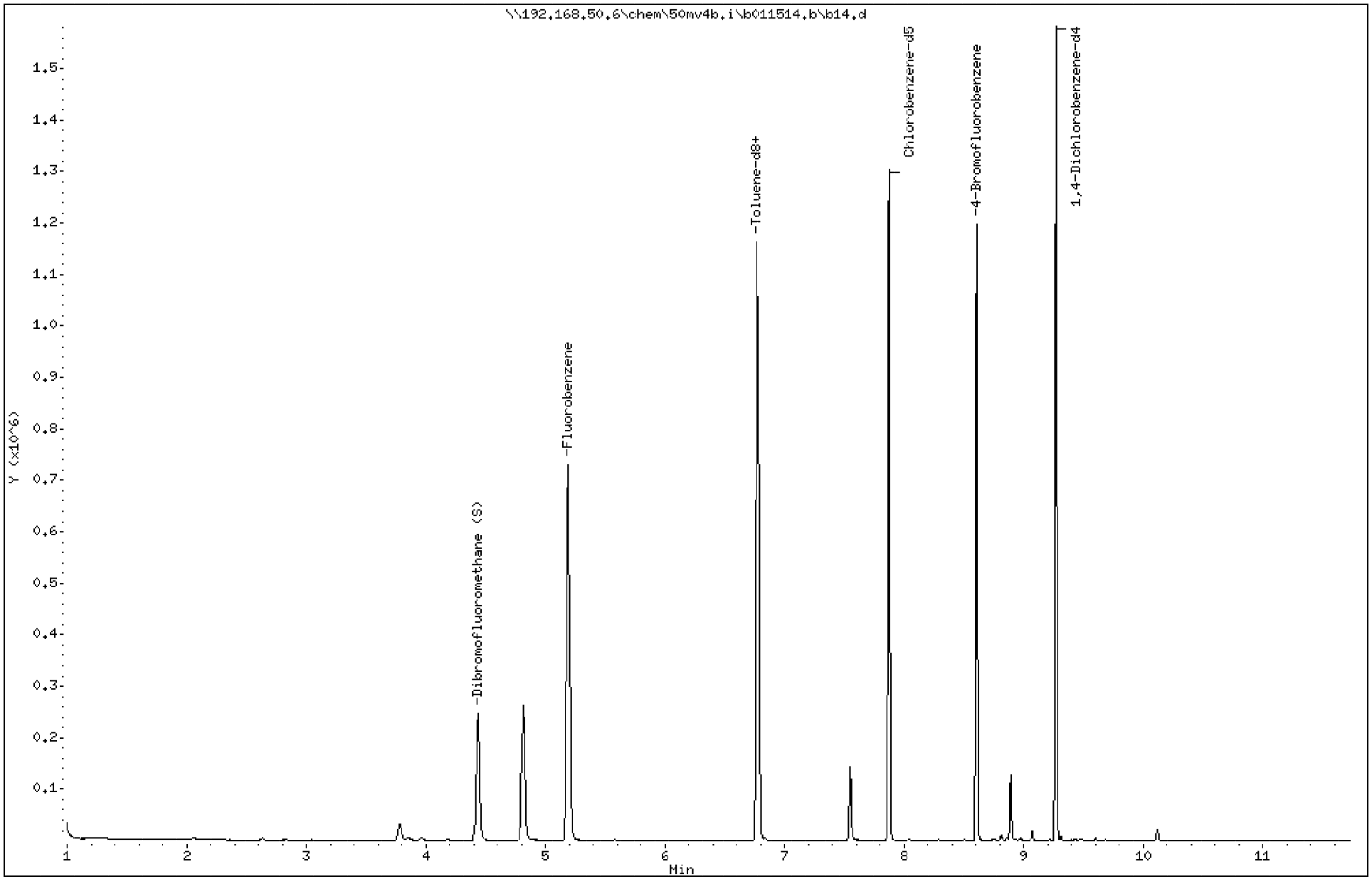
Sample Info: 5092300002

Purge Volume: 5.0

Operator: rsw

Column phase: DB-624

Column diameter: 0.18



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Date : 15-JAN-2014 19:18

Client ID: MW-0630-S3(011414)

Instrument: 50mv4b.i

Sample Info: 5092300002

Purge Volume: 5.0

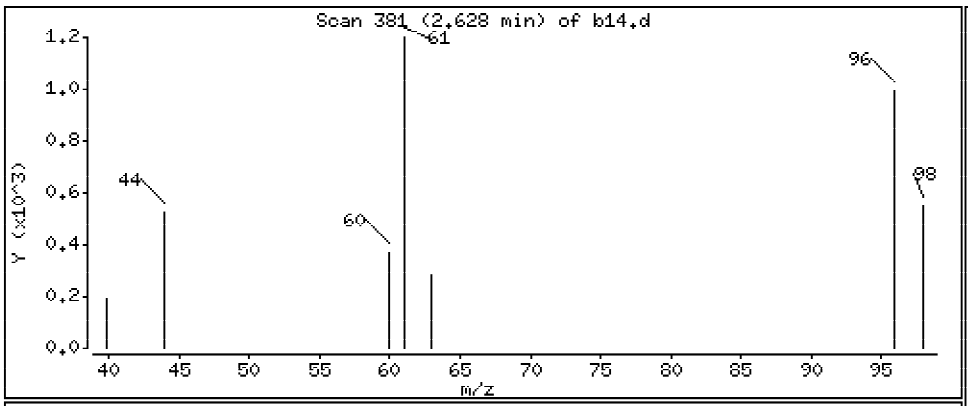
Operator: rsw

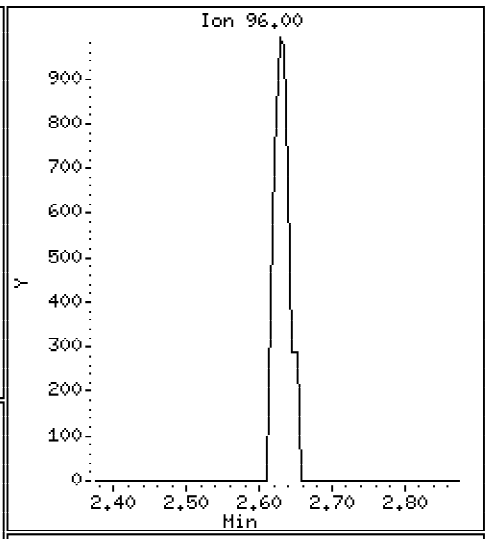
Column phase: DB-624

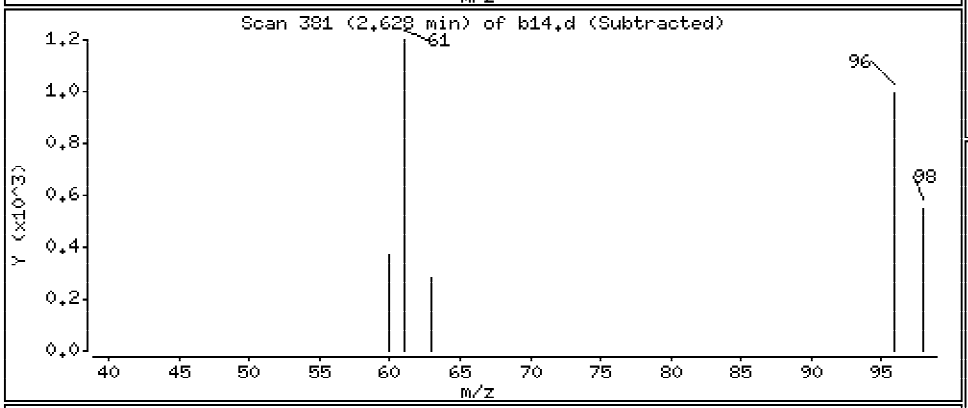
Column diameter: 0.18

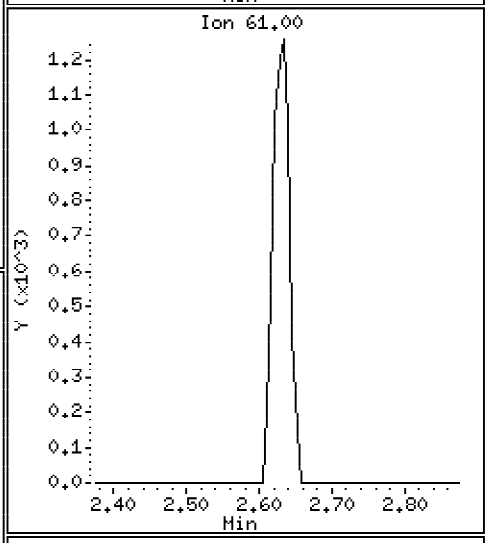
22 1,2-Dichloroethene (trans)

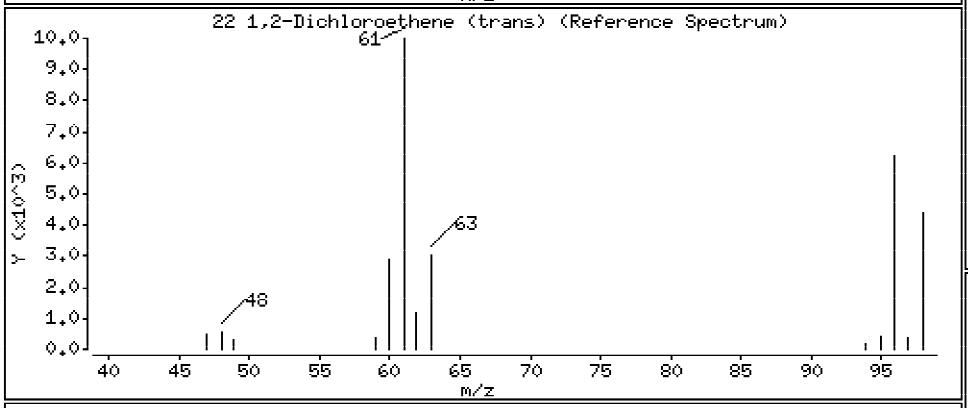
Concentration: 0.596 ppb

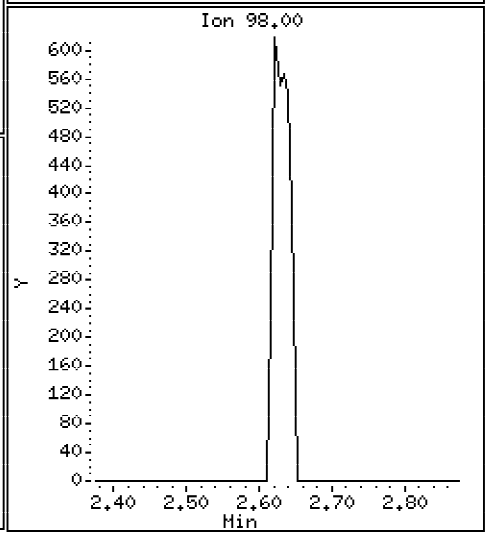


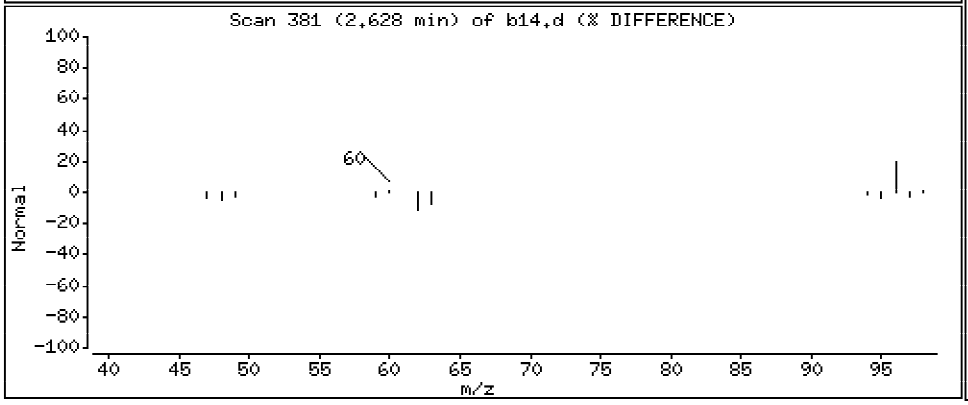












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Page 4

Date : 15-JAN-2014 19:18

Client ID: MW-0630-S3(011414)

Instrument: 50mv4b.i

Sample Info: 5092300002

Purge Volume: 5.0

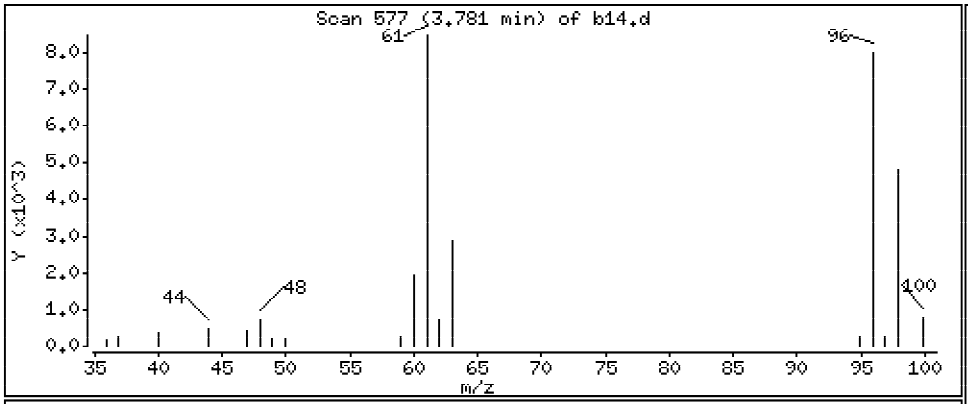
Operator: rsw

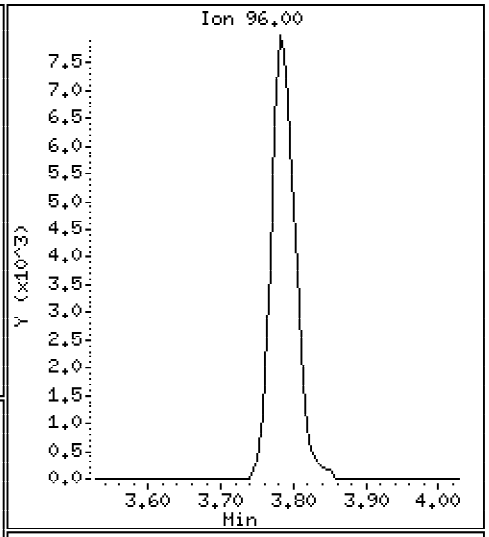
Column phase: DB-624

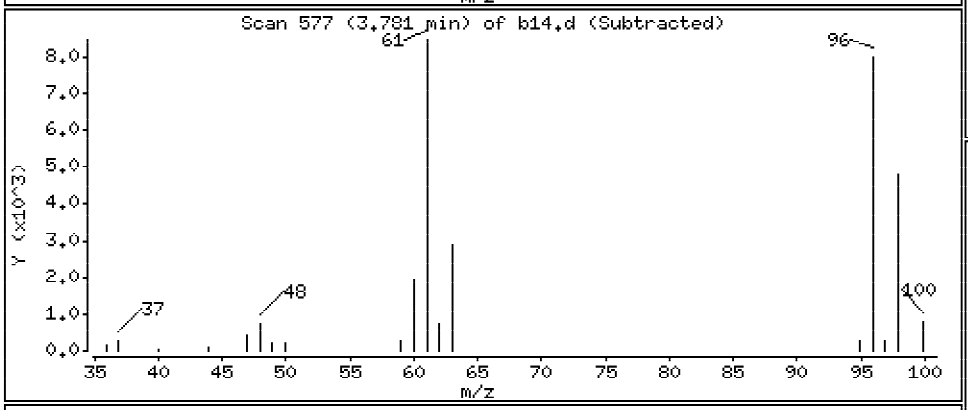
Column diameter: 0.18

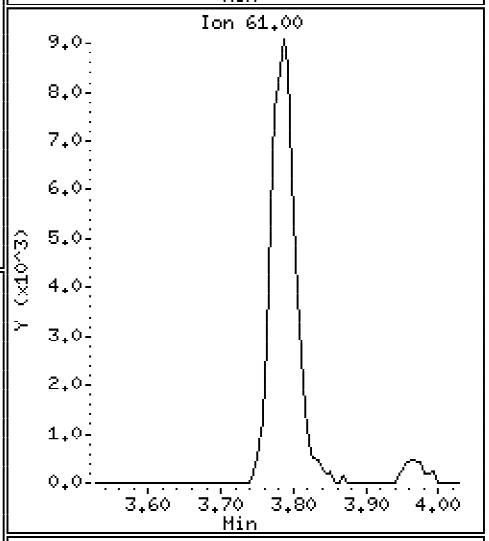
27 1,2-Dichloroethene (cis)

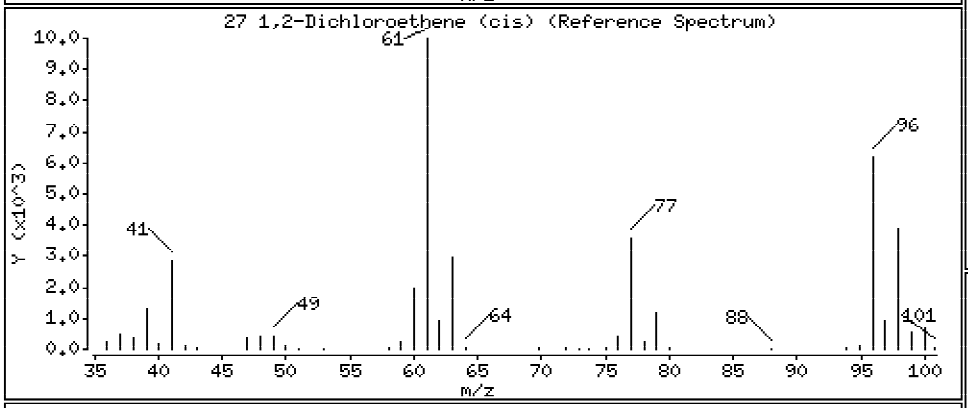
Concentration: 6.05 ppb

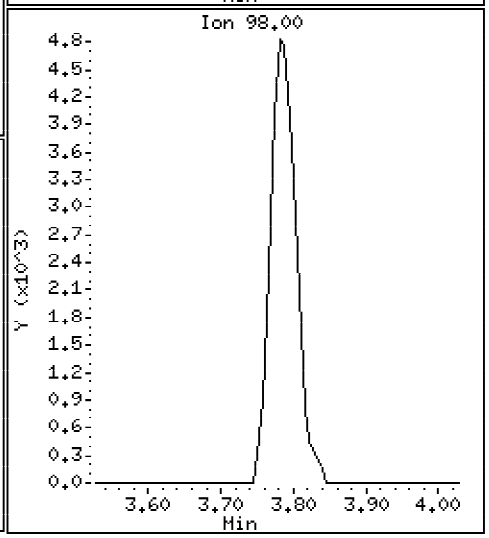


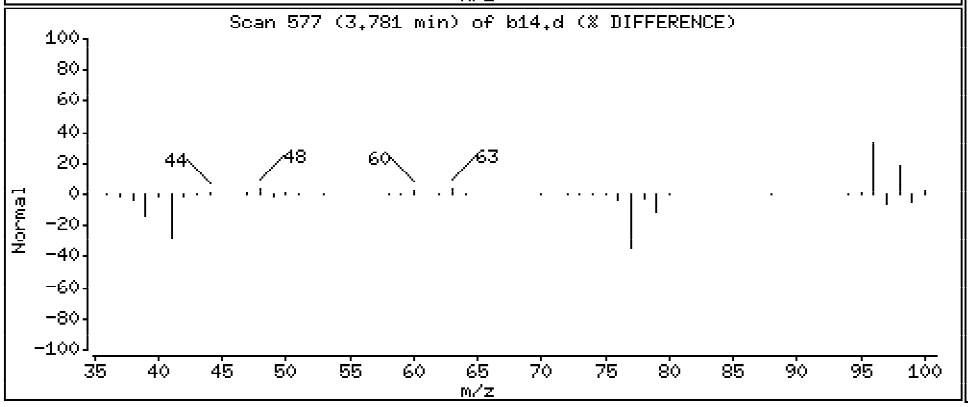












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Date : 15-JAN-2014 19:18

Client ID: MW-0630-S3(011414)

Instrument: 50mv4b.i

Sample Info: 5092300002

Purge Volume: 5.0

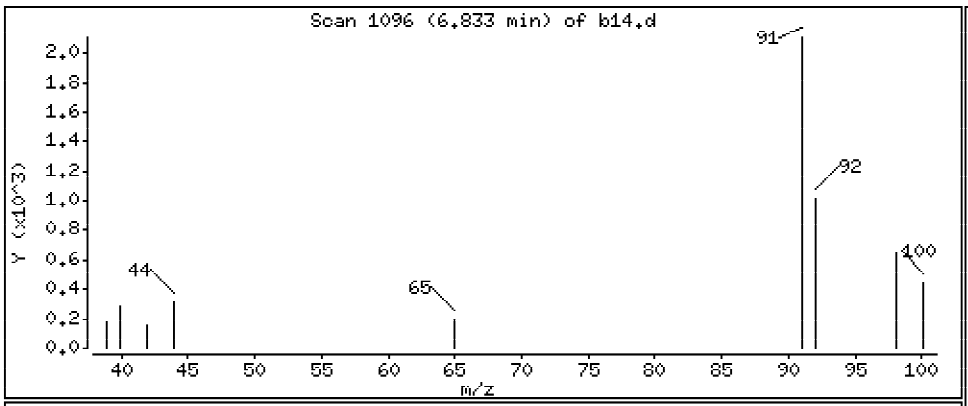
Operator: rsw

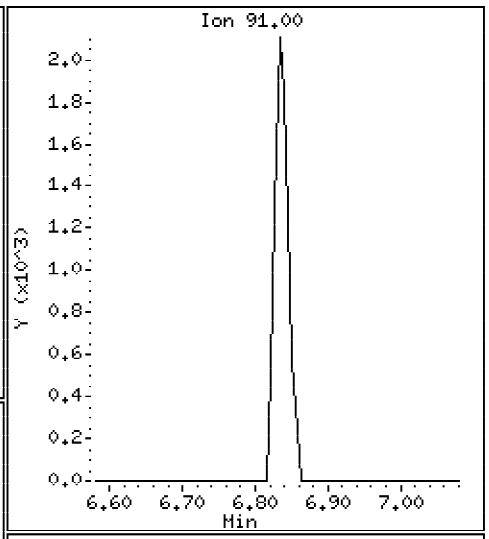
Column phase: DB-624

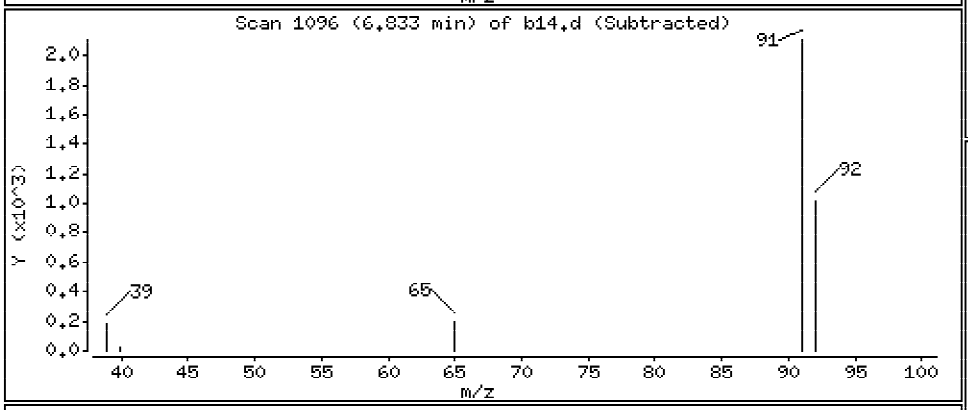
Column diameter: 0.18

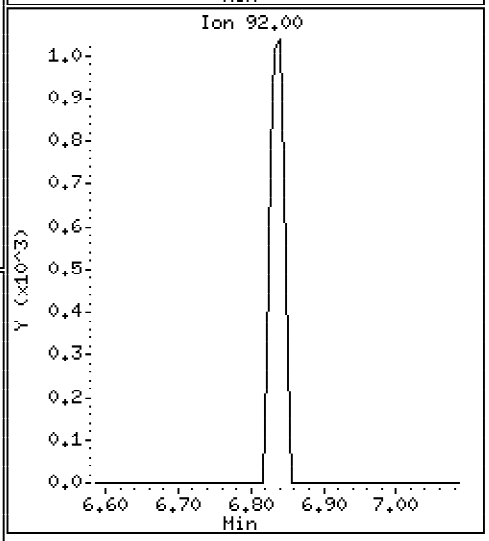
56 Toluene

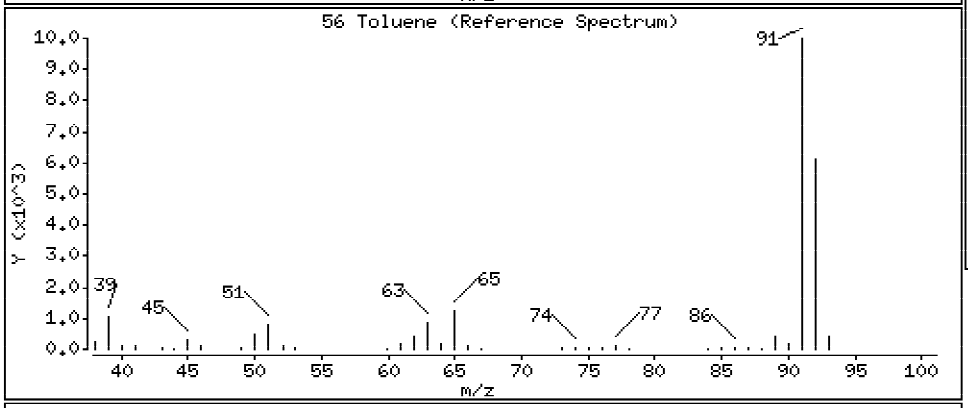
Concentration: 0.243 ppb

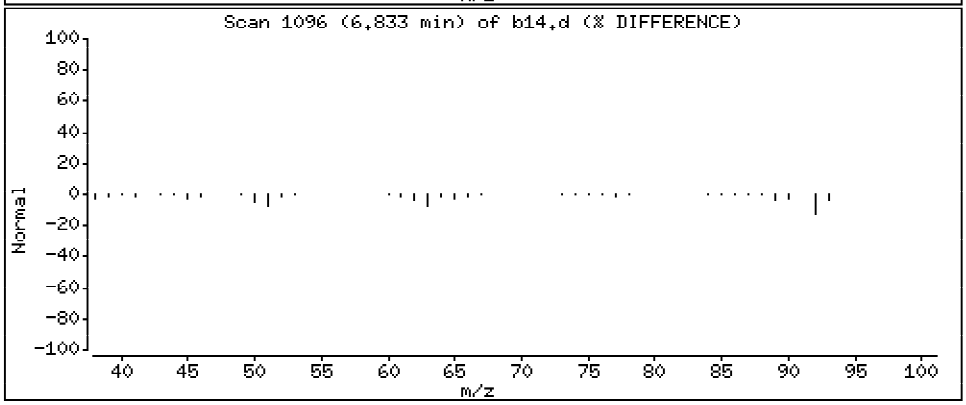












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Date : 15-JAN-2014 19:18

Client ID: MW-0630-S3(011414)

Instrument: 50mv4b.i

Sample Info: 5092300002

Purge Volume: 5.0

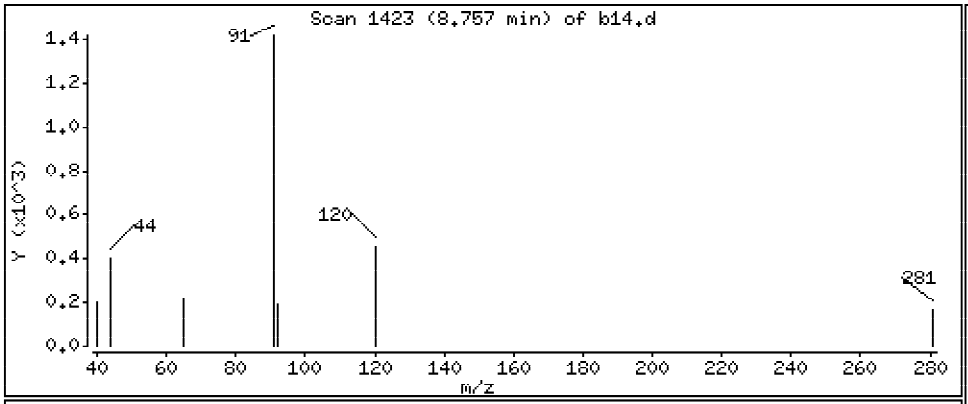
Operator: rsw

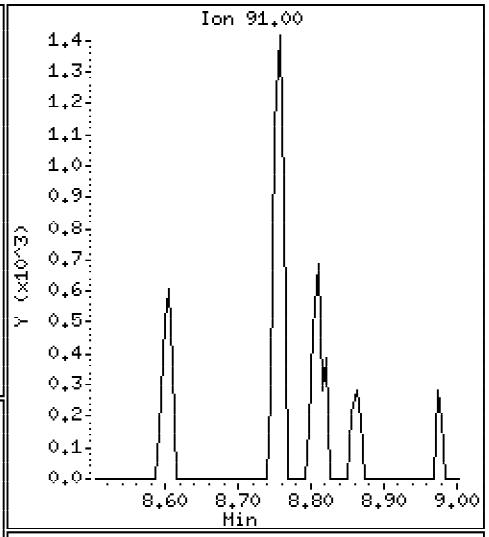
Column phase: DB-624

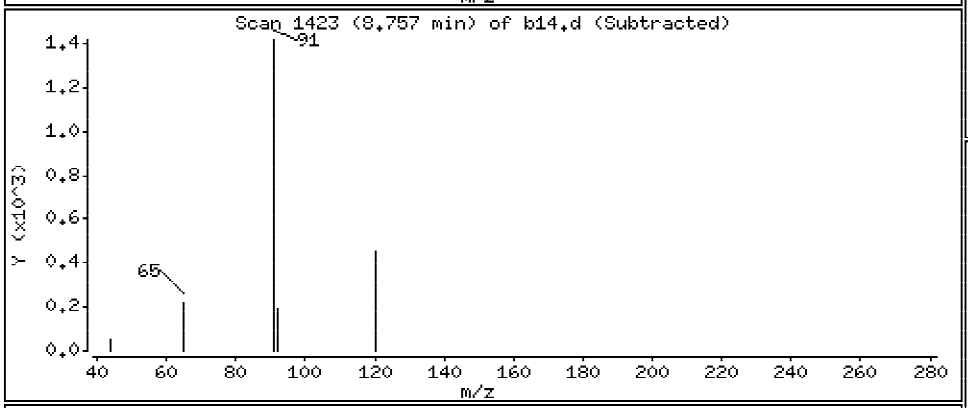
Column diameter: 0.18

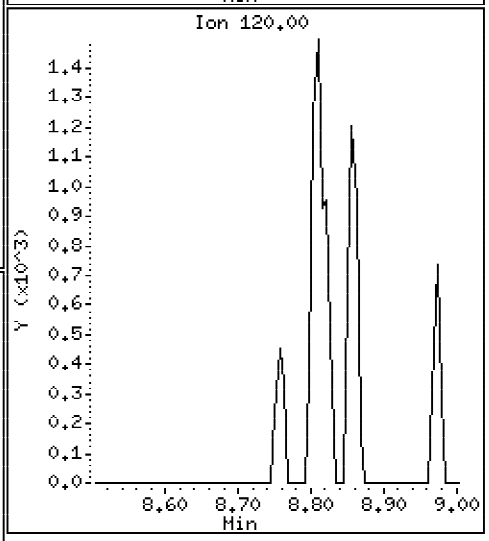
79 n-Propylbenzene

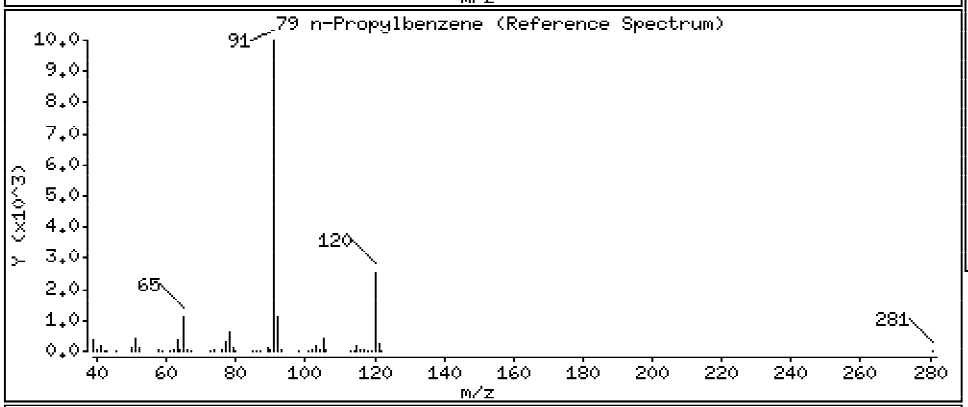
Concentration: 0.108 ppb

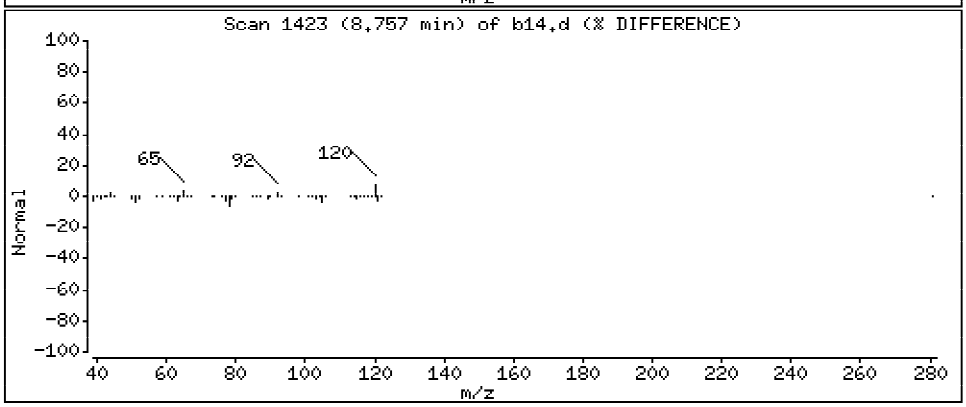












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Date : 15-JAN-2014 19:18

Client ID: MW-0630-S3(011414)

Instrument: 50mv4b.i

Sample Info: 5092300002

Purge Volume: 5.0

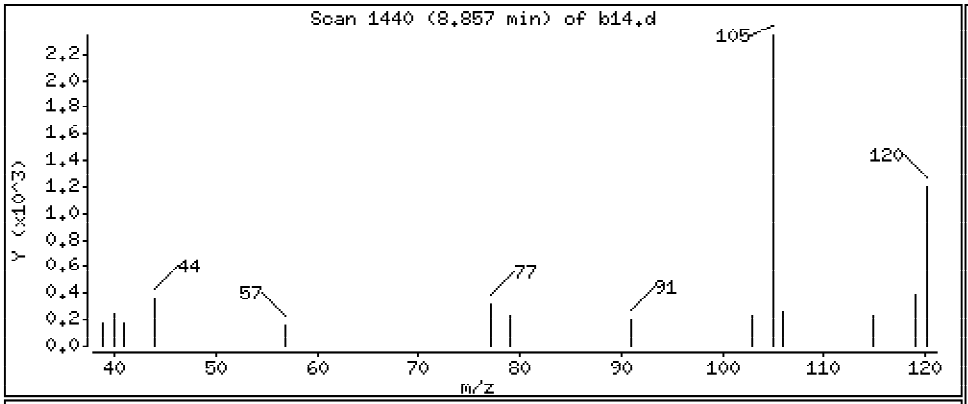
Operator: rsw

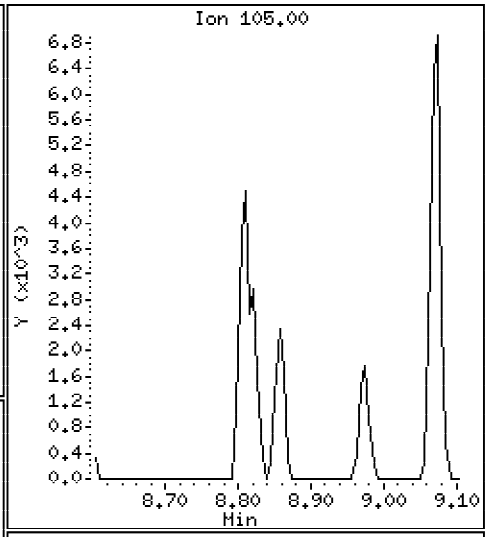
Column phase: DB-624

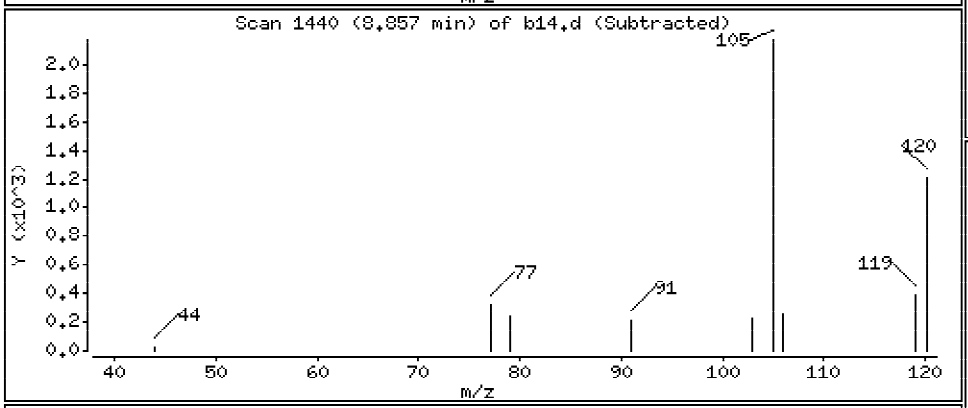
Column diameter: 0.18

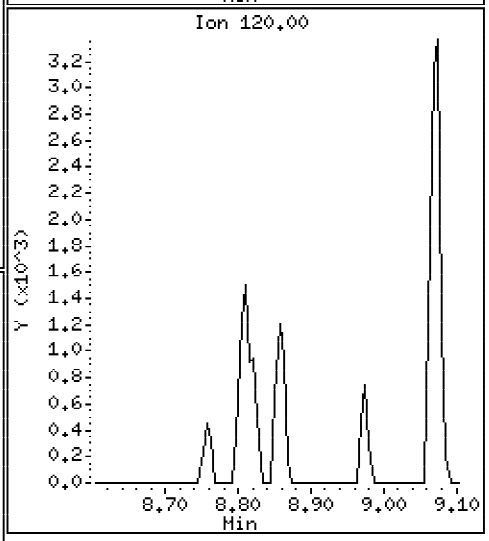
81 1,3,5-Trimethylbenzene

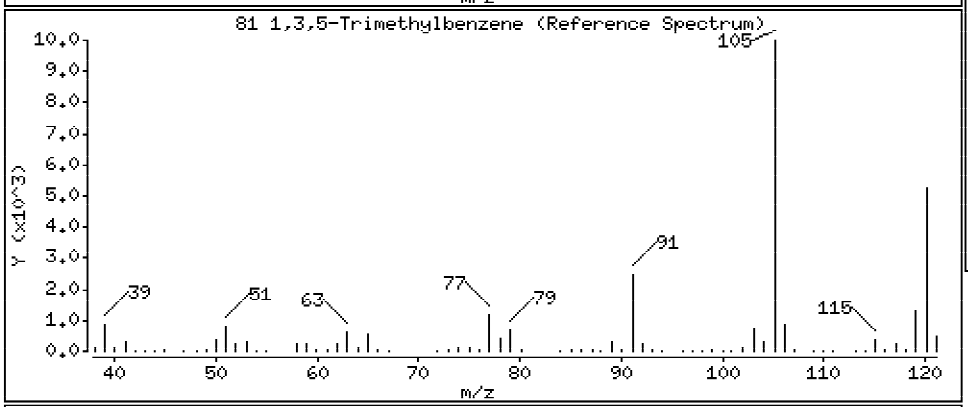
Concentration: 0.239 ppb

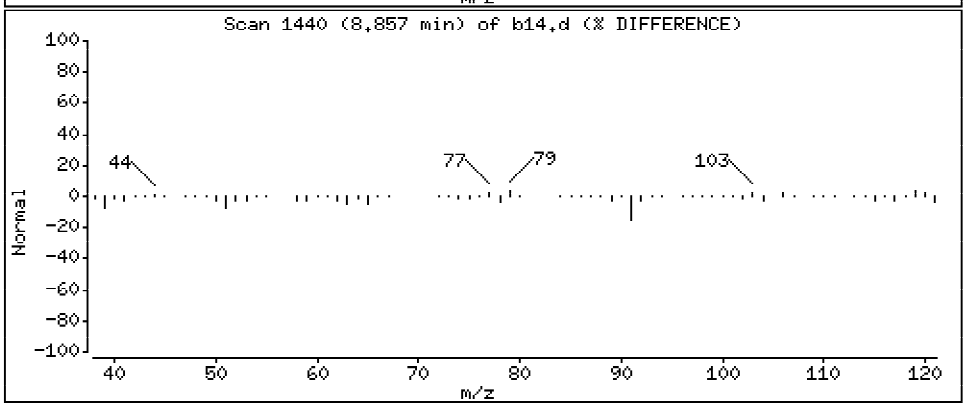












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b14.d Page 8

Date : 15-JAN-2014 19:18

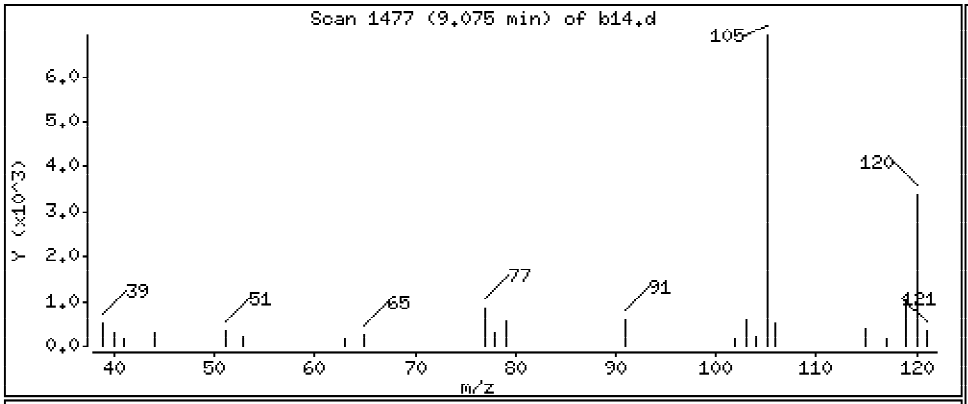
Client ID: MW-0630-S3(011414) Instrument: 50mv4b.i

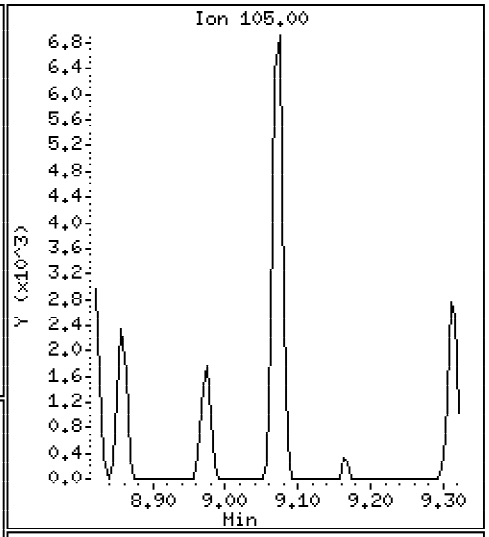
Sample Info: 5092300002

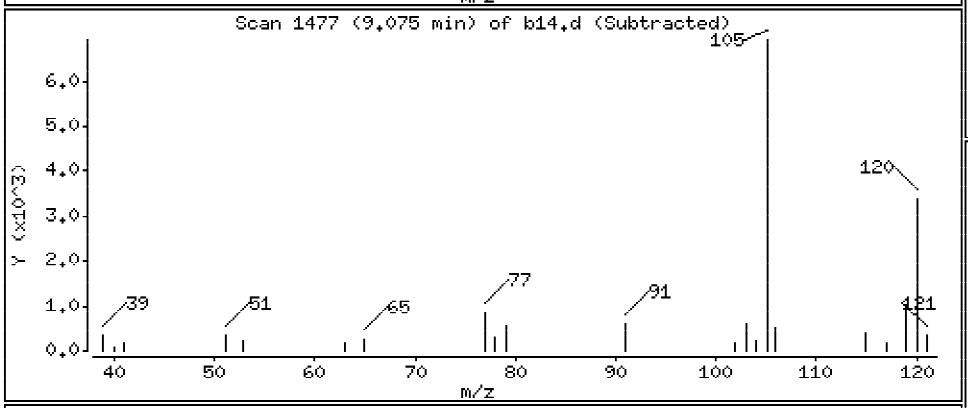
Purge Volume: 5.0 Operator: rsw

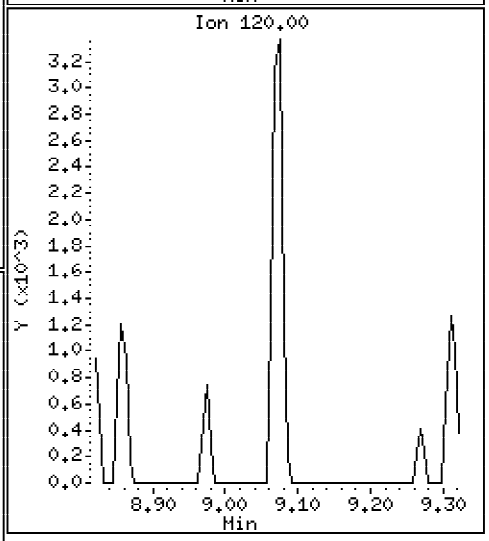
Column phase: DB-624 Column diameter: 0.18

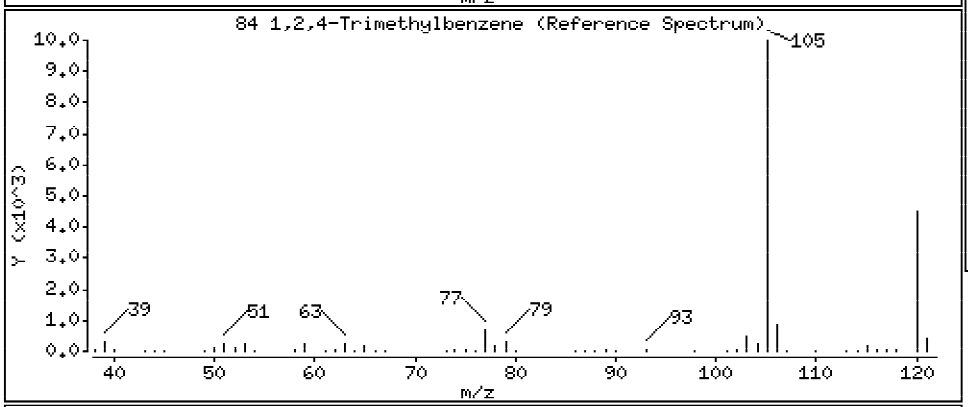
84 1,2,4-Trimethylbenzene Concentration: 0.756 ppb

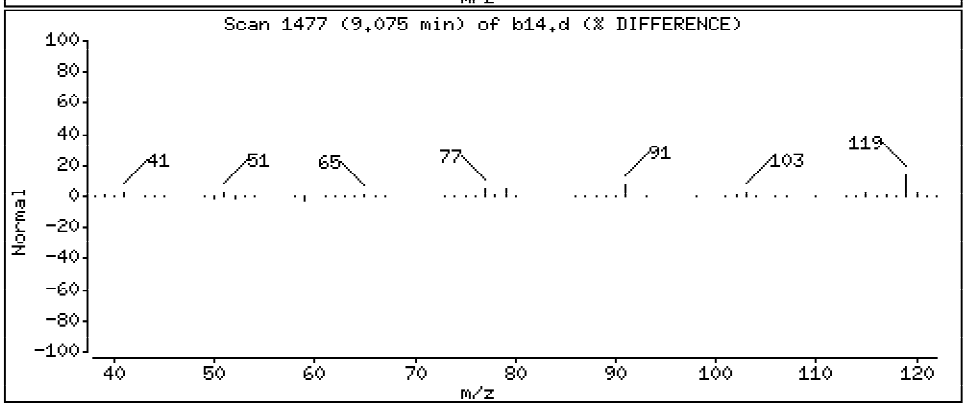












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b02.d Page 1
Report Date: 13-Jan-2014 16:23

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b02.d
Lab Smp Id: 8260-CAL1 Client Smp ID: 8260-CAL1
Inj Date : 10-JAN-2014 16:50
Operator : rsw Inst ID: 50mv4b.i
Smp Info : 8260-cal1,59981:0
Misc Info : 60992
Comment :
Method : \\192.168.50.6\chem\50mv4b.i\b011014cal.b\-b8260_a_b.m
Meth Date : 13-Jan-2014 14:15 50mv4b.i Quant Type: ISTD
Cal Date : 09-JAN-2014 20:58 Cal File: b09.d
Als bottle: 6 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)
1	Dichlorodifluoromethane	85	1.063	1.063	(0.205)	1069	0.50000	0.352(M)
2	Chloromethane	50	1.169	1.169	(0.225)	1157	0.50000	0.419(M)
3	Vinyl Chloride	62	1.227	1.228	(0.237)	1078	0.50000	0.397(M)
4	Bromomethane	94	1.416	1.410	(0.273)	786	0.50000	1.07(M)
5	Chloroethane	64	1.480	1.475	(0.286)	541	0.50000	0.414(M)
6	Trichlorofluoromethane	101	1.639	1.633	(0.316)	1434	0.50000	0.419(M)
7	1,2-dichlorotrifluoroethane	67	1.845	1.839	(0.356)	1475	0.50000	0.694(M)
8	Diethyl ether	74	1.839	1.833	(0.355)	711	0.50000	0.630(QM)
9	Acrolein	56	1.927	1.927	(0.372)	2322	10.0000	8.80
10	1,1,2trichlorotrifluoroethane	101	1.998	1.992	(0.385)	1245	0.50000	0.614
11	1,1-Dichloroethene	96	1.992	1.986	(0.384)	1316	0.50000	0.641(M)
12	Acetone	43	2.045	2.045	(0.394)	4028	2.50000	(M)
13	Iodomethane	142	2.110	2.098	(0.407)	814	1.00000	6.66(M)
14	Carbon Disulfide	76	2.151	2.145	(0.415)	7125	1.00000	1.34(M)
16	allyl chloride	41	2.274	2.269	(0.439)	4202	1.00000	
17	Methyl Acetate	43	2.310	2.304	(0.445)	2257	0.50000	(M)
18	Methylene Chloride	84	2.380	2.369	(0.459)	3402	0.50000	(M)
19	tert-Butyl Alcohol	59	2.516	2.616	(0.485)	238	1.00000	1.13(QM)
20	Acrylonitrile	53	2.610	2.604	(0.503)	12689	10.0000	
21	Methyl-tert-butyl ether	73	2.633	2.633	(0.508)	8502	1.00000	1.34

22 1,2-Dichloroethene (trans)	96	2.622	2.616 (0.506)	1410	0.50000	0.585(M)
23 n-Hexane	57	2.904	2.886 (0.560)	2077	0.50000	0.686(M)
24 1,1-Dichloroethane	63	3.057	3.045 (0.589)	2497	0.50000	0.603(M)

Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b02.d Page 2
Report Date: 13-Jan-2014 16:23

			QUANT SIG					AMOUNTS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb)	ON-COL (ppb)
	25	Vinyl Acetate	43	3.145	3.133	(0.606)	6372	2.00000	1.53(M)
	27	1,2-Dichloroethene (cis)	96	3.774	3.769	(0.728)	1714	0.50000	0.606
	28	2,2-Dichloropropane	77	3.751	3.751	(0.723)	1716	0.50000	0.553(M)
	29	2-Butanone	43	3.845	3.833	(0.741)	4667	2.50000	1.96(M)
	32	Bromochloromethane	49	4.098	4.086	(0.790)	1156	0.50000	0.629(M)
	33	Tetrahydrofuran	42	4.168	4.157	(0.804)	3836	0.50000	1.77
	34	Chloroform	83	4.227	4.221	(0.815)	2841	0.50000	0.670
$	35	Dibromofluoromethane (S)	113	4.427	4.421	(0.854)	150170	50.0000	50.2
	36	1,1,1-Trichloroethane	97	4.421	4.410	(0.853)	2163	0.50000	0.589(M)
	37	Cyclohexane	56	4.474	4.463	(0.863)	1993	0.50000	0.618
	38	Carbon Tetrachloride	117	4.610	4.604	(0.889)	1672	0.50000	0.555(M)
	39	1,1-Dichloropropene	75	4.621	4.616	(0.891)	2205	0.50000	0.640(M)
	40	Benzene	78	4.857	4.851	(0.936)	6650	0.50000	0.653(M)
	41	1,2-Dichloroethane	62	4.898	4.892	(0.944)	2038	0.50000	0.640(M)
	42	2,2,4-Trimethylpentane	57	4.974	4.968	(0.959)	3753	0.50000	0.646(Q)
*	44	Fluorobenzene	96	5.186	5.180	(1.000)	581714	50.0000	
	45	Trichloroethene	95	5.580	5.574	(1.076)	1727	0.50000	0.656
	46	Methylcyclohexane	55	5.757	5.751	(1.110)	1648	0.50000	0.649(M)
	47	1,2-Dichloropropane	63	5.804	5.798	(1.119)	1449	0.50000	0.598(M)
	48	Dibromomethane	93	5.921	5.915	(1.142)	860	0.50000	0.586(M)
	50	1,4-Dioxane	88	5.980	5.974	(1.153)	198	10.0000	7.10(QM)
	51	Bromodichloromethane	83	6.104	6.092	(1.177)	1773	0.50000	0.626(M)
	52	2-Chloroethyl vinyl ether	63	6.421	6.421	(0.816)	2089	1.00000	1.33(M)
	53	cis-1,3-Dichloropropene	75	6.539	6.533	(0.831)	1987	0.50000	0.550(M)
	54	4-Methyl-2-Pentanone	43	6.709	6.704	(0.853)	8137	2.50000	
$	55	Toluene-d8	98	6.774	6.768	(0.861)	620654	50.0000	50.2
	56	Toluene	91	6.833	6.833	(0.868)	7415	0.50000	0.643
	57	trans-1,3-Dichloropropene	75	7.057	7.057	(0.897)	1628	0.50000	0.550(M)
	58	Ethyl Methacrylate	69	7.162	7.157	(0.910)	1046	0.50000	0.636(M)
	59	1,1,2-Trichloroethane	83	7.198	7.198	(0.915)	1226	0.50000	0.651(M)
	60	Tetrachloroethene	166	7.286	7.286	(0.926)	2217	0.50000	0.646
	61	1,3-Dichloropropane	76	7.321	7.321	(0.930)	2677	0.50000	0.696(M)
	62	2-Hexanone	43	7.409	7.409	(0.942)	5107	2.50000	3.68(M)
	63	Dibromochloromethane	129	7.480	7.480	(0.951)	1279	0.50000	3.00
	64	1,2-Dibromoethane	107	7.551	7.551	(0.960)	1476	0.50000	0.630
*	65	Chlorobenzene-d5	117	7.868	7.868	(1.000)	503131	50.0000	
	66	Chlorobenzene	112	7.892	7.892	(1.003)	5701	0.50000	0.717(Q)
	67	1,1,1,2-Tetrachloroethane	131	7.951	7.951	(1.010)	1362	0.50000	0.566(Q)
	68	Ethylbenzene	106	7.968	7.968	(1.013)	2791	0.50000	0.668(Q)
	69	m&p-Xylene	106	8.045	8.045	(1.022)	6934	1.00000	1.40
	70	o-Xylene	106	8.292	8.292	(1.054)	3136	0.50000	0.654
	71	Styrene	104	8.298	8.298	(1.055)	5037	0.50000	0.656
	72	Bromoform	173	8.409	8.409	(0.907)	694	0.50000	4.42(M)
	73	Isopropylbenzene	105	8.515	8.515	(1.082)	7513	0.50000	0.639
$	74	4-Bromofluorobenzene	95	8.603	8.604	(1.093)	242355	50.0000	50.0
	75	Bromobenzene	77	8.686	8.686	(1.104)	3244	0.50000	0.724
	76	1,1,2,2-Tetrachloroethane	83	8.698	8.698	(0.938)	2003	0.50000	0.687(Q)
	77	1,2,3-Trichloropropane	110	8.715	8.715	(0.940)	650	0.50000	0.702(QM)
	78	trans-1,4-Dichloro-2-butene	53	8.727	8.727	(1.109)	272	0.50000	0.506(QM)
	79	n-Propylbenzene	91	8.756	8.756	(0.945)	8496	0.50000	0.662
	80	2-Chlorotoluene	91	8.803	8.804	(0.950)	5699	0.50000	0.717

81	1,3,5-Trimethylbenzene	105	8.856	8.856 (0.956)	6101	0.50000	0.663
82	4-Chlorotoluene	126	8.862	8.868 (0.956)	2096	0.50000	0.718
83	tert-Butylbenzene	119	9.045	9.045 (0.976)	6155	0.50000	0.625

Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b02.d Page 3
Report Date: 13-Jan-2014 16:23

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)
84	1,2,4-Trimethylbenzene	105	9.068	9.074	(0.978)	6340	0.50000	0.674
85	sec-Butylbenzene	105	9.168	9.168	(0.989)	6747	0.50000	0.634
86	1,3-Dichlorobenzene	146	9.233	9.233	(0.996)	3724	0.50000	0.685(Q)
87	p-Isopropyltoluene	119	9.250	9.256	(0.998)	5658	0.50000	0.630
* 88	1,4-Dichlorobenzene-d4	152	9.268	9.268	(1.000)	277774	50.0000	
89	1,4-Dichlorobenzene	146	9.280	9.286	(1.001)	3991	0.50000	0.710(Q)
90	n-Butylbenzene	91	9.486	9.486	(1.023)	4143	0.50000	0.597
91	1,2-Dichlorobenzene	146	9.498	9.498	(1.025)	3587	0.50000	0.695(Q)
92	1,2-Dibromo-3-chloropropane	155	9.939	9.939	(1.072)	167	0.50000	5.48(M)
93	1,2,4-Trichlorobenzene	180	10.415	10.421	(1.124)	1212	0.50000	3.27(M)
94	Hexachlorobutadiene	225	10.515	10.521	(1.135)	855	0.50000	0.584(M)
95	Naphthalene	128	10.568	10.568	(1.140)	2958	0.50000	3.42
96	1,2,3-Trichlorobenzene	180	10.709	10.715	(1.155)	1154	0.50000	3.40(M)
97	2,methyl-naphthalene	142	11.256	11.256	(1.214)	263	0.50000	14.8(M)
149	1-Methylnaphthalene	142	11.368	11.374	(2.192)	259	0.50000	6.00(M)

QC Flag Legend

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

Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b02.d

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Date : 10-JAN-2014 16:50

Client ID: 8260-CAL1

Instrument: 50mv4b.i

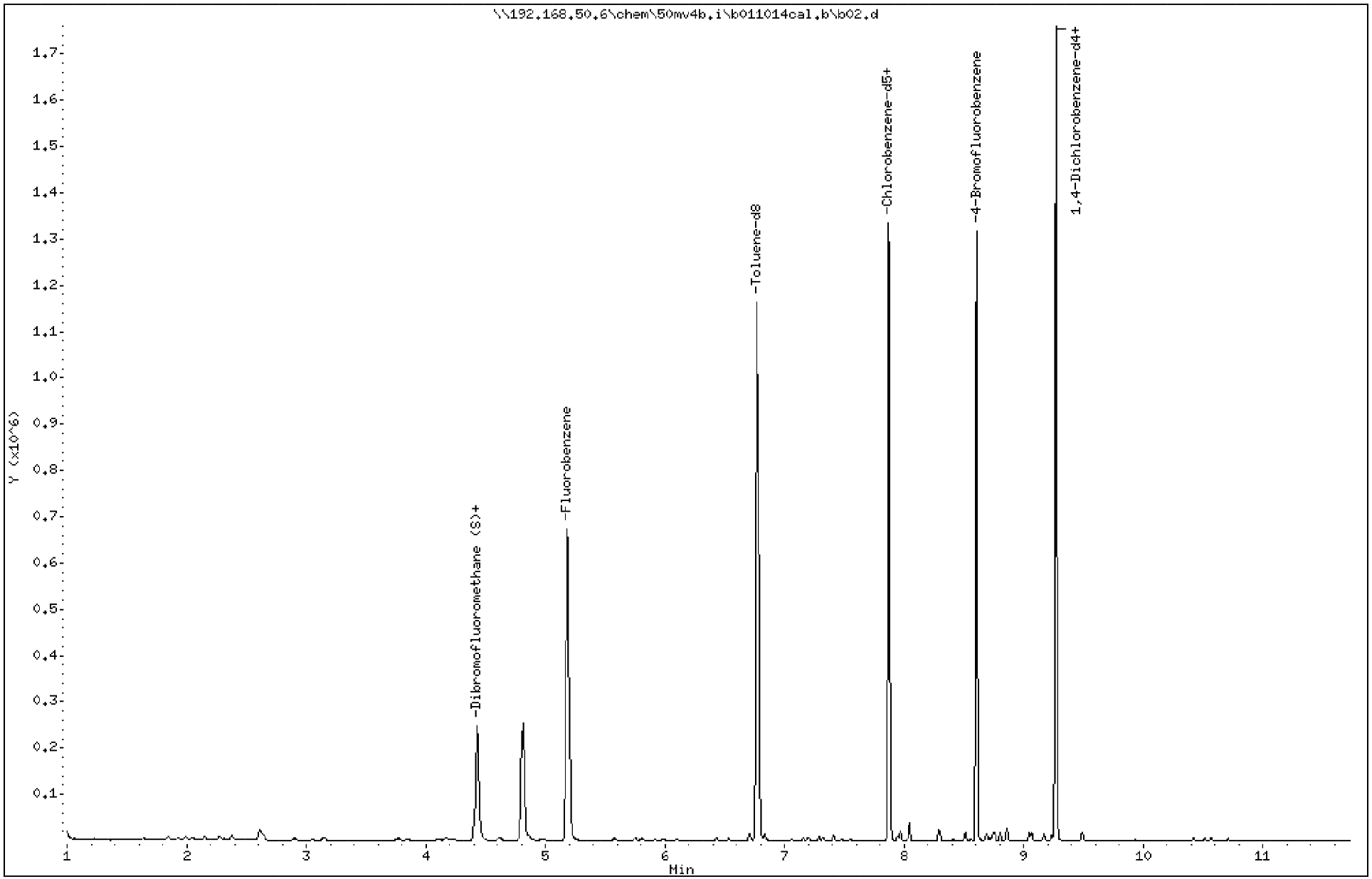
Sample Info: 8260-CAL1,59981:0

Purge Volume: 5.0

Operator: rsw

Column phase: DB-624

Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b03.d Page 1
Report Date: 13-Jan-2014 16:23

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b03.d
Lab Smp Id: 8260-CAL2 Client Smp ID: 8260-CAL2
Inj Date : 10-JAN-2014 17:22
Operator : rsw Inst ID: 50mv4b.i
Smp Info : 8260-cal2,59982:0
Misc Info : 60992
Comment :
Method : \\192.168.50.6\chem\50mv4b.i\b011014cal.b\-b8260_a_b.m
Meth Date : 13-Jan-2014 14:15 50mv4b.i Quant Type: ISTD
Cal Date : 09-JAN-2014 20:58 Cal File: b09.d
Als bottle: 8 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)
1	Dichlorodifluoromethane	85	1.063	1.063	(0.205)	3752	1.00000	1.20(M)
2	Chloromethane	50	1.169	1.169	(0.225)	3159	1.00000	1.13(M)
3	Vinyl Chloride	62	1.227	1.228	(0.237)	3081	1.00000	1.12(M)
4	Bromomethane	94	1.416	1.410	(0.273)	1124	1.00000	1.50(M)
5	Chloroethane	64	1.480	1.475	(0.285)	1484	1.00000	1.12(M)
6	Trichlorofluoromethane	101	1.639	1.633	(0.316)	3739	1.00000	1.08
7	1,2-dichlorotrifluoroethane	67	1.839	1.839	(0.355)	2241	1.00000	1.04(M)
8	Diethyl ether	74	1.839	1.833	(0.355)	1046	1.00000	0.914
9	Acrolein	56	1.927	1.927	(0.372)	6326	20.0000	23.6
10	1,1,2trichlorotrifluoroethane	101	1.998	1.992	(0.385)	2084	1.00000	1.01
11	1,1-Dichloroethene	96	1.992	1.986	(0.384)	2429	1.00000	1.17(M)
12	Acetone	43	2.045	2.045	(0.394)	4182	5.00000	(M)
13	Iodomethane	142	2.104	2.098	(0.406)	1069	2.00000	6.77(M)
14	Carbon Disulfide	76	2.151	2.145	(0.415)	10894	2.00000	2.02
16	allyl chloride	41	2.274	2.269	(0.439)	6469	2.00000	
17	Methyl Acetate	43	2.304	2.304	(0.444)	2566	1.00000	(M)
18	Methylene Chloride	84	2.374	2.369	(0.458)	4336	1.00000	(M)
19	tert-Butyl Alcohol	59	2.521	2.616	(0.486)	392	2.00000	1.84(QM)
20	Acrylonitrile	53	2.610	2.604	(0.503)	18173	20.0000	6.57
21	Methyl-tert-butyl ether	73	2.633	2.633	(0.508)	13293	2.00000	2.07

22 1,2-Dichloroethene (trans)	96	2.621	2.616 (0.506)	2209	1.00000	0.903
23 n-Hexane	57	2.892	2.886 (0.558)	3010	1.00000	0.980(M)
24 1,1-Dichloroethane	63	3.051	3.045 (0.588)	3892	1.00000	0.926(M)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)
	25 Vinyl Acetate	43	3.139	3.133	(0.605)	18432	4.00000	4.36
	27 1,2-Dichloroethene (cis)	96	3.774	3.769	(0.728)	2742	1.00000	0.955
	28 2,2-Dichloropropane	77	3.763	3.751	(0.726)	2801	1.00000	0.890(M)
	29 2-Butanone	43	3.833	3.833	(0.739)	6011	5.00000	3.32(M)
	32 Bromochloromethane	49	4.086	4.086	(0.788)	1892	1.00000	1.02
	33 Tetrahydrofuran	42	4.162	4.157	(0.803)	3749	1.00000	1.71
	34 Chloroform	83	4.227	4.221	(0.815)	4154	1.00000	0.966
$	35 Dibromofluoromethane (S)	113	4.421	4.421	(0.853)	149544	50.0000	49.3
	36 1,1,1-Trichloroethane	97	4.410	4.410	(0.850)	3226	1.00000	0.866
	37 Cyclohexane	56	4.462	4.463	(0.861)	3139	1.00000	0.960
	38 Carbon Tetrachloride	117	4.615	4.604	(0.890)	2437	1.00000	0.798(M)
	39 1,1-Dichloropropene	75	4.621	4.616	(0.891)	3203	1.00000	0.916
	40 Benzene	78	4.857	4.851	(0.936)	10400	1.00000	1.01
	41 1,2-Dichloroethane	62	4.892	4.892	(0.943)	3165	1.00000	0.981(M)
	42 2,2,4-Trimethylpentane	57	4.974	4.968	(0.959)	5773	1.00000	0.980
*	44 Fluorobenzene	96	5.186	5.180	(1.000)	590075	50.0000	
	45 Trichloroethene	95	5.574	5.574	(1.075)	2616	1.00000	0.980
	46 Methylcyclohexane	55	5.751	5.751	(1.109)	2533	1.00000	0.983(M)
	47 1,2-Dichloropropane	63	5.804	5.798	(1.119)	2477	1.00000	1.01(M)
	48 Dibromomethane	93	5.915	5.915	(1.141)	1423	1.00000	0.956
	49 Methyl methacrylate	69	5.980	5.980	(1.153)	1459	1.00000	0.962(M)
	50 1,4-Dioxane	88	5.968	5.974	(1.151)	592	20.0000	20.9(QM)
	51 Bromodichloromethane	83	6.098	6.092	(1.176)	2419	1.00000	0.842(M)
	52 2-Chloroethyl vinyl ether	63	6.427	6.421	(0.817)	2707	2.00000	1.68(M)
	53 cis-1,3-Dichloropropene	75	6.533	6.533	(0.830)	3044	1.00000	0.823(M)
	54 4-Methyl-2-Pentanone	43	6.703	6.704	(0.852)	10879	5.00000	
$	55 Toluene-d8	98	6.774	6.768	(0.861)	623589	50.0000	49.3
	56 Toluene	91	6.833	6.833	(0.868)	11313	1.00000	0.959
	57 trans-1,3-Dichloropropene	75	7.056	7.057	(0.897)	2376	1.00000	0.785(M)
	58 Ethyl Methacrylate	69	7.156	7.157	(0.910)	2629	1.00000	0.885(M)
	59 1,1,2-Trichloroethane	83	7.198	7.198	(0.915)	1886	1.00000	0.978
	60 Tetrachloroethene	166	7.286	7.286	(0.926)	3254	1.00000	0.926
	61 1,3-Dichloropropane	76	7.321	7.321	(0.930)	3773	1.00000	0.959
	62 2-Hexanone	43	7.409	7.409	(0.942)	6952	5.00000	4.89(M)
	63 Dibromochloromethane	129	7.480	7.480	(0.951)	1719	1.00000	3.14
	64 1,2-Dibromoethane	107	7.550	7.551	(0.960)	2177	1.00000	0.908
*	65 Chlorobenzene-d5	117	7.868	7.868	(1.000)	514836	50.0000	
	66 Chlorobenzene	112	7.886	7.892	(1.002)	7720	1.00000	0.948
	67 1,1,1,2-Tetrachloroethane	131	7.950	7.951	(1.010)	2043	1.00000	0.829(Q)
	68 Ethylbenzene	106	7.968	7.968	(1.013)	3934	1.00000	0.920
	69 m&p-Xylene	106	8.045	8.045	(1.022)	10145	2.00000	2.01
	70 o-Xylene	106	8.286	8.292	(1.053)	4541	1.00000	0.926
	71 Styrene	104	8.298	8.298	(1.055)	7081	1.00000	0.902
	72 Bromoform	173	8.409	8.409	(0.907)	932	1.00000	4.53(M)
	73 Isopropylbenzene	105	8.515	8.515	(1.082)	11307	1.00000	0.940
$	74 4-Bromofluorobenzene	95	8.597	8.604	(1.093)	245389	50.0000	49.5
	75 Bromobenzene	77	8.686	8.686	(1.104)	4468	1.00000	0.975
	76 1,1,2,2-Tetrachloroethane	83	8.697	8.698	(0.938)	2920	1.00000	0.990
	77 1,2,3-Trichloropropane	110	8.715	8.715	(0.940)	956	1.00000	1.02(QM)
	78 trans-1,4-Dichloro-2-butene	53	8.727	8.727	(1.109)	416	1.00000	0.757(QM)
	79 n-Propylbenzene	91	8.756	8.756	(0.945)	12426	1.00000	0.956

80	2-Chlorotoluene	91	8.797	8.804 (0.949)	8105	1.00000	1.01
81	1,3,5-Trimethylbenzene	105	8.856	8.856 (0.956)	9121	1.00000	0.978
82	4-Chlorotoluene	126	8.862	8.868 (0.956)	2611	1.00000	0.883

Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b03.d Page 3
Report Date: 13-Jan-2014 16:23

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
83	tert-Butylbenzene	119	9.039	9.045	(0.975)	9081	1.00000	0.911
84	1,2,4-Trimethylbenzene	105	9.068	9.074	(0.978)	9114	1.00000	0.958
85	sec-Butylbenzene	105	9.168	9.168	(0.989)	9839	1.00000	0.914
86	1,3-Dichlorobenzene	146	9.227	9.233	(0.996)	5323	1.00000	0.967
87	p-Isopropyltoluene	119	9.250	9.256	(0.998)	8164	1.00000	0.897
* 88	1,4-Dichlorobenzene-d4	152	9.268	9.268	(1.000)	281291	50.0000	
89	1,4-Dichlorobenzene	146	9.280	9.286	(1.001)	5310	1.00000	0.933
90	n-Butylbenzene	91	9.480	9.486	(1.023)	5704	1.00000	0.811
91	1,2-Dichlorobenzene	146	9.492	9.498	(1.024)	5092	1.00000	0.975
92	1,2-Dibromo-3-chloropropane	155	9.933	9.939	(1.072)	235	1.00000	5.59(QM)
93	1,2,4-Trichlorobenzene	180	10.415	10.421	(1.124)	1689	1.00000	3.40(M)
94	Hexachlorobutadiene	225	10.509	10.521	(1.134)	1137	1.00000	0.768(M)
95	Naphthalene	128	10.562	10.568	(1.140)	3440	1.00000	3.47
96	1,2,3-Trichlorobenzene	180	10.703	10.715	(1.155)	1638	1.00000	3.55(M)
97	2,methyl-naphthalene	142	11.244	11.256	(1.213)	224	1.00000	14.8(QM)
149	1-Methylnaphthalene	142	11.362	11.374	(2.191)	170	1.00000	5.97(M)

QC Flag Legend

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

Reference 23

Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b03.d

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Date : 10-JAN-2014 17:22

Client ID: 8260-CAL2

Instrument: 50mv4b.i

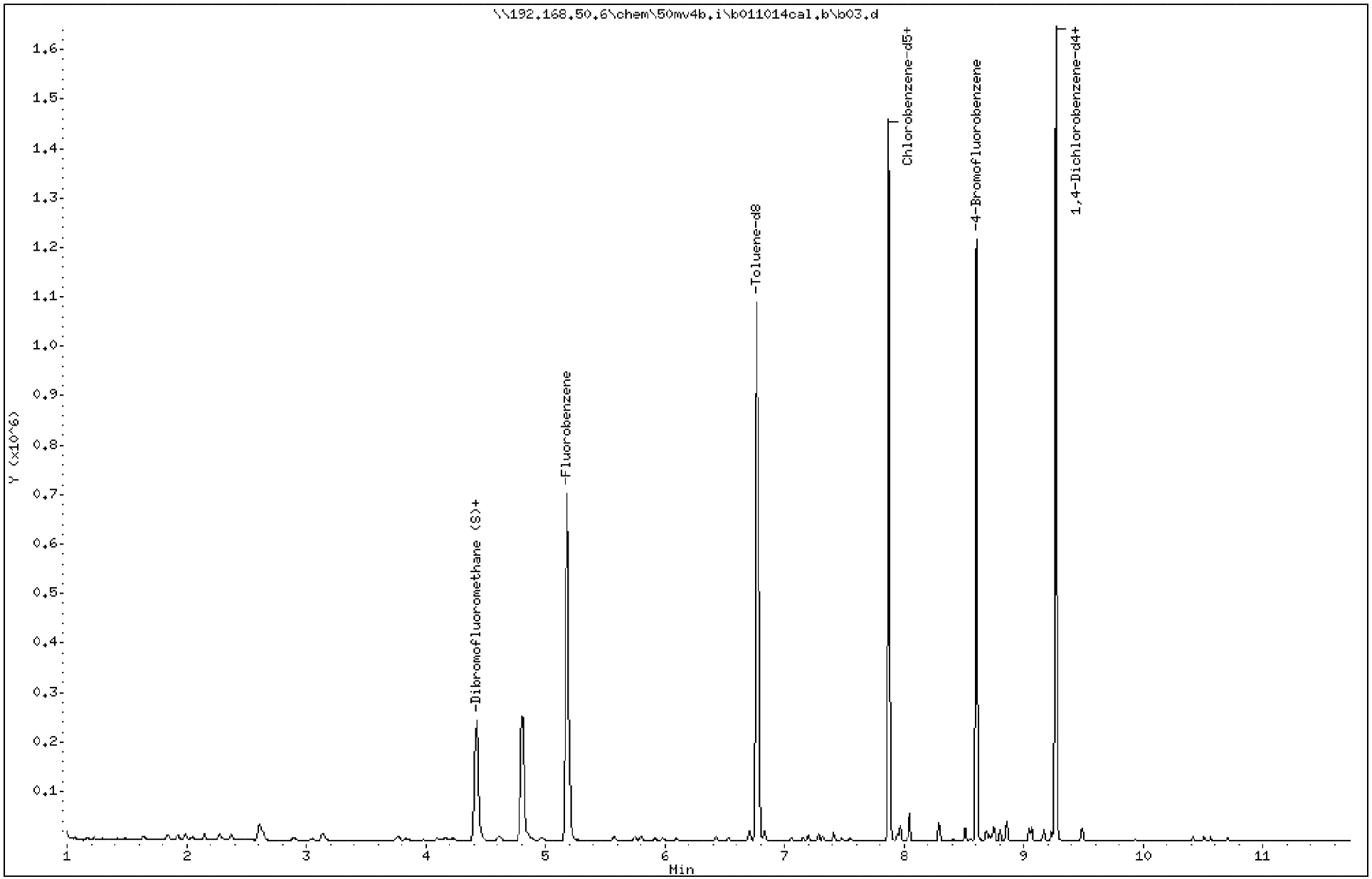
Sample Info: 8260-CAL2,59982:0

Purge Volume: 5.0

Operator: rsw

Column phase: DB-624

Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b04.d Page 1
Report Date: 13-Jan-2014 16:23

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b04.d
Lab Smp Id: 8260-CAL3 Client Smp ID: 8260-CAL3
Inj Date : 10-JAN-2014 17:54
Operator : rsw Inst ID: 50mv4b.i
Smp Info : 8260-cal3,59983:0
Misc Info : 60992
Comment :
Method : \\192.168.50.6\chem\50mv4b.i\b011014cal.b\-b8260_a_b.m
Meth Date : 13-Jan-2014 14:15 50mv4b.i Quant Type: ISTD
Cal Date : 09-JAN-2014 20:58 Cal File: b09.d
Als bottle: 10 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)
1 Dichlorodifluoromethane	85	1.063	1.063	(0.205)	7122	2.00000	2.32(M)
2 Chloromethane	50	1.163	1.169	(0.224)	6499	2.00000	2.38
3 Vinyl Chloride	62	1.227	1.228	(0.237)	6392	2.00000	2.37
4 Bromomethane	94	1.416	1.410	(0.273)	1875	2.00000	2.56
5 Chloroethane	64	1.480	1.475	(0.286)	3089	2.00000	2.39(M)
6 Trichlorofluoromethane	101	1.639	1.633	(0.316)	7672	2.00000	2.26
7 1,2-dichlorotrifluoroethane	67	1.839	1.839	(0.355)	3967	2.00000	1.88
8 Diethyl ether	74	1.833	1.833	(0.354)	2185	2.00000	1.95(Q)
9 Acrolein	56	1.927	1.927	(0.372)	11535	40.0000	44.1
10 1,1,2trichlorotrifluoroethane	101	1.992	1.992	(0.384)	3818	2.00000	1.90
11 1,1-Dichloroethene	96	1.992	1.986	(0.384)	3691	2.00000	1.81(Q)
12 Acetone	43	2.045	2.045	(0.394)	6944	10.0000	1.77
13 Iodomethane	142	2.104	2.098	(0.406)	2185	4.00000	7.31(M)
14 Carbon Disulfide	76	2.151	2.145	(0.415)	19124	4.00000	3.62
15 Acetonitrile	39	2.274	2.269	(0.439)	6993	2.00000	2.13
16 allyl chloride	41	2.269	2.269	(0.437)	10407	4.00000	
17 Methyl Acetate	43	2.310	2.304	(0.445)	3618	2.00000	0.109(M)
18 Methylene Chloride	84	2.374	2.369	(0.458)	6871	2.00000	(M)
19 tert-Butyl Alcohol	59	2.516	2.616	(0.485)	866	4.00000	4.15(M)
20 Acrylonitrile	53	2.604	2.604	(0.502)	32034	40.0000	26.9

21 Methyl-tert-butyl ether	73	2.633	2.633 (0.508)	24201	4.00000	3.86
22 1,2-Dichloroethene (trans)	96	2.616	2.616 (0.504)	4218	2.00000	1.76
23 n-Hexane	57	2.892	2.886 (0.558)	5462	2.00000	1.82(M)

Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b04.d Page 2
Report Date: 13-Jan-2014 16:23

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)
	24 1,1-Dichloroethane	63	3.045	3.045	(0.587)	7478	2.00000	1.82(M)
	25 Vinyl Acetate	43	3.133	3.133	(0.604)	36709	8.00000	8.88
	26 chloroprene	53	3.145	3.145	(0.606)	6379	2.00000	1.96
	27 1,2-Dichloroethene (cis)	96	3.768	3.769	(0.727)	5129	2.00000	1.83
	28 2,2-Dichloropropane	77	3.757	3.751	(0.724)	5576	2.00000	1.81
	29 2-Butanone	43	3.839	3.833	(0.740)	9985	10.0000	7.79(M)
	31 Methacrylonitrile	41	4.110	4.110	(0.792)	2365	2.00000	1.60
	32 Bromochloromethane	49	4.092	4.086	(0.789)	3448	2.00000	1.89
	33 Tetrahydrofuran	42	4.163	4.157	(0.803)	4056	2.00000	1.89
	34 Chloroform	83	4.227	4.221	(0.815)	7529	2.00000	1.79
$	35 Dibromofluoromethane (S)	113	4.421	4.421	(0.853)	148305	50.0000	50.0
	36 1,1,1-Trichloroethane	97	4.410	4.410	(0.850)	6982	2.00000	1.92
	37 Cyclohexane	56	4.463	4.463	(0.861)	5802	2.00000	1.81
	38 Carbon Tetrachloride	117	4.610	4.604	(0.889)	5227	2.00000	1.75
	39 1,1-Dichloropropene	75	4.621	4.616	(0.891)	6058	2.00000	1.77
	40 Benzene	78	4.851	4.851	(0.935)	18816	2.00000	1.86
	41 1,2-Dichloroethane	62	4.892	4.892	(0.943)	6169	2.00000	1.96(M)
	42 2,2,4-Trimethylpentane	57	4.968	4.968	(0.958)	10858	2.00000	1.88
*	44 Fluorobenzene	96	5.186	5.180	(1.000)	576818	50.0000	
	45 Trichloroethene	95	5.574	5.574	(1.075)	4765	2.00000	1.82
	46 Methylcyclohexane	55	5.751	5.751	(1.109)	4465	2.00000	1.77
	47 1,2-Dichloropropane	63	5.804	5.798	(1.119)	4513	2.00000	1.88(M)
	48 Dibromomethane	93	5.921	5.915	(1.142)	2769	2.00000	1.90
	49 Methyl methacrylate	69	5.980	5.980	(1.153)	2865	2.00000	1.93
	50 1,4-Dioxane	88	5.980	5.974	(1.153)	872	40.0000	31.5(QM)
	51 Bromodichloromethane	83	6.098	6.092	(1.176)	4920	2.00000	1.75(M)
	52 2-Chloroethyl vinyl ether	63	6.427	6.421	(0.817)	5647	4.00000	3.61
	53 cis-1,3-Dichloropropene	75	6.533	6.533	(0.830)	5849	2.00000	1.63
	54 4-Methyl-2-Pentanone	43	6.709	6.704	(0.853)	10994	10.0000	
$	55 Toluene-d8	98	6.768	6.768	(0.860)	609933	50.0000	49.6
	56 Toluene	91	6.833	6.833	(0.868)	21350	2.00000	1.86
	57 trans-1,3-Dichloropropene	75	7.056	7.057	(0.897)	4609	2.00000	1.57
	58 Ethyl Methacrylate	69	7.156	7.157	(0.910)	4799	2.00000	1.66(M)
	59 1,1,2-Trichloroethane	83	7.198	7.198	(0.915)	3474	2.00000	1.85
	60 Tetrachloroethene	166	7.286	7.286	(0.926)	6202	2.00000	1.82
	61 1,3-Dichloropropane	76	7.321	7.321	(0.930)	6900	2.00000	1.80
	62 2-Hexanone	43	7.409	7.409	(0.942)	12304	10.0000	8.91
	63 Dibromochloromethane	129	7.480	7.480	(0.951)	3201	2.00000	3.68
	64 1,2-Dibromoethane	107	7.551	7.551	(0.960)	3998	2.00000	1.72
*	65 Chlorobenzene-d5	117	7.868	7.868	(1.000)	500529	50.0000	
	66 Chlorobenzene	112	7.886	7.892	(1.002)	14452	2.00000	1.83(Q)
	67 1,1,1,2-Tetrachloroethane	131	7.945	7.951	(1.010)	3961	2.00000	1.65
	68 Ethylbenzene	106	7.968	7.968	(1.013)	7630	2.00000	1.83
	69 m&p-Xylene	106	8.045	8.045	(1.022)	18386	4.00000	3.74
	70 o-Xylene	106	8.286	8.292	(1.053)	9098	2.00000	1.91
	71 Styrene	104	8.298	8.298	(1.055)	14105	2.00000	1.85
	72 Bromoform	173	8.403	8.409	(0.907)	1887	2.00000	4.99(M)
	73 Isopropylbenzene	105	8.509	8.515	(1.081)	21631	2.00000	1.85
$	74 4-Bromofluorobenzene	95	8.598	8.604	(1.093)	246971	50.0000	51.2
	75 Bromobenzene	77	8.686	8.686	(1.104)	8278	2.00000	1.86
	76 1,1,2,2-Tetrachloroethane	83	8.692	8.698	(0.938)	5545	2.00000	1.90

77	1,2,3-Trichloropropane	110	8.715	8.715 (0.940)	1825	2.00000	1.97(Q)
78	trans-1,4-Dichloro-2-butene	53	8.727	8.727 (1.109)	846	2.00000	1.58(QM)
79	n-Propylbenzene	91	8.750	8.756 (0.944)	23358	2.00000	1.81

Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b04.d Page 3
Report Date: 13-Jan-2014 16:23

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)
80	2-Chlorotoluene	91	8.798	8.804	(0.949)	14571	2.00000	1.83
81	1,3,5-Trimethylbenzene	105	8.856	8.856	(0.956)	17473	2.00000	1.89
82	4-Chlorotoluene	126	8.862	8.868	(0.956)	5921	2.00000	2.02(Q)
83	tert-Butylbenzene	119	9.039	9.045	(0.975)	18042	2.00000	1.83
84	1,2,4-Trimethylbenzene	105	9.068	9.074	(0.978)	17495	2.00000	1.86
85	sec-Butylbenzene	105	9.168	9.168	(0.989)	19189	2.00000	1.80
86	1,3-Dichlorobenzene	146	9.227	9.233	(0.996)	9370	2.00000	1.72
87	p-Isopropyltoluene	119	9.250	9.256	(0.998)	16017	2.00000	1.78
* 88	1,4-Dichlorobenzene-d4	152	9.268	9.268	(1.000)	278567	50.0000	
89	1,4-Dichlorobenzene	146	9.280	9.286	(1.001)	10245	2.00000	1.82(Q)
90	n-Butylbenzene	91	9.480	9.486	(1.023)	12148	2.00000	1.74
91	1,2-Dichlorobenzene	146	9.492	9.498	(1.024)	9562	2.00000	1.85
92	1,2-Dibromo-3-chloropropane	155	9.933	9.939	(1.072)	434	2.00000	5.92(QM)
93	1,2,4-Trichlorobenzene	180	10.415	10.421	(1.124)	3739	2.00000	3.99(M)
94	Hexachlorobutadiene	225	10.509	10.521	(1.134)	2371	2.00000	1.62
95	Naphthalene	128	10.562	10.568	(1.140)	7185	2.00000	3.91
96	1,2,3-Trichlorobenzene	180	10.703	10.715	(1.155)	3476	2.00000	4.13(M)
149	1-Methylnaphthalene	142	11.356	11.374	(2.190)	203	2.00000	5.98(M)

QC Flag Legend

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

Reference 23

Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b04.d

Page 4

Date : 10-JAN-2014 17:54

Client ID: 8260-CAL3

Instrument: 50mv4b.i

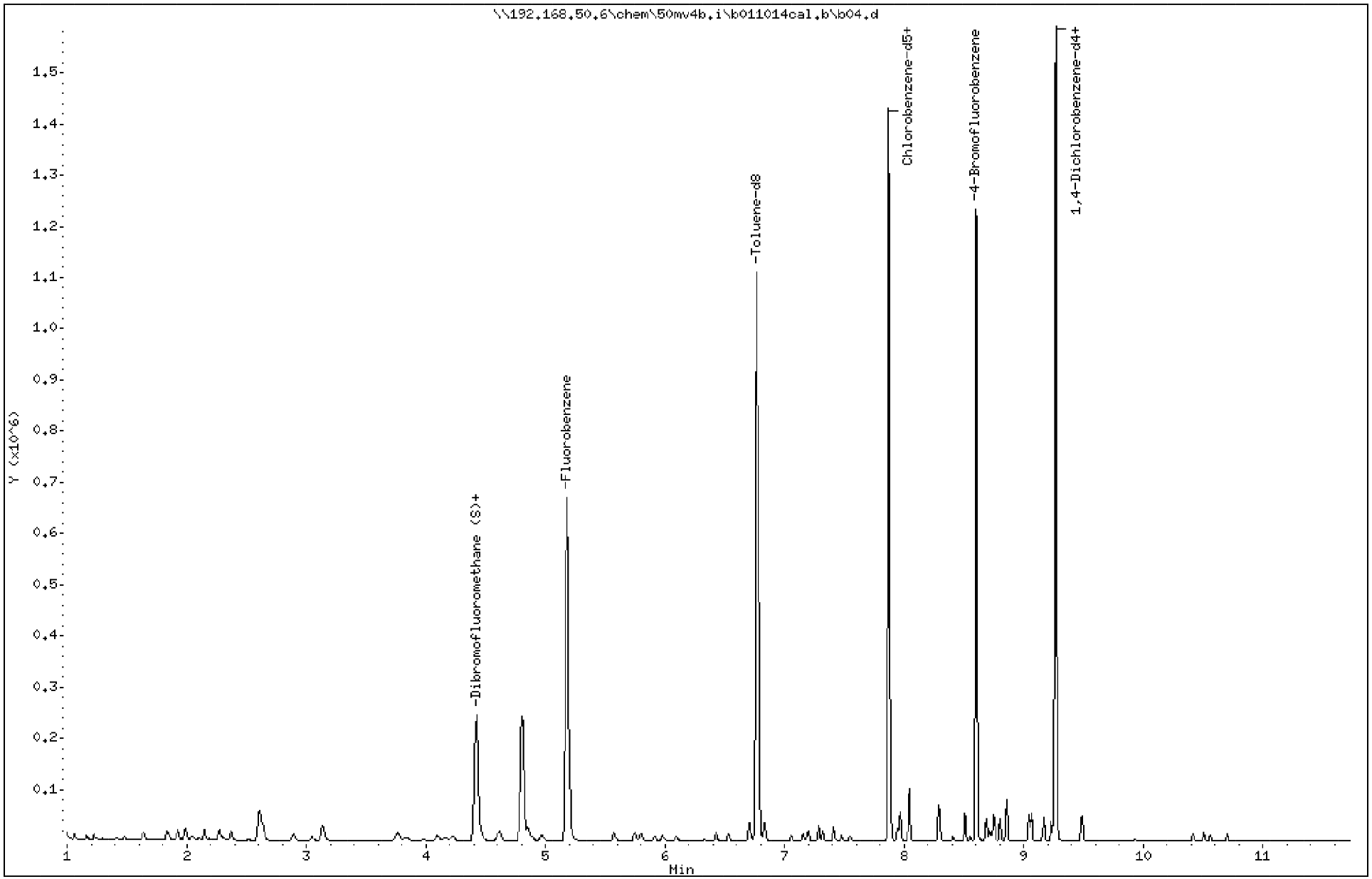
Sample Info: 8260-CAL3,59983:0

Purge Volume: 5.0

Operator: rsw

Column phase: DB-624

Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b05.d Page 1
Report Date: 13-Jan-2014 16:23

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b05.d
Lab Smp Id: 8260-CAL4 Client Smp ID: 8260-CAL4
Inj Date : 10-JAN-2014 18:27
Operator : rsw Inst ID: 50mv4b.i
Smp Info : 8260-cal4,59984:.
Misc Info : 60992
Comment :
Method : \\192.168.50.6\chem\50mv4b.i\b011014cal.b\-b8260_a_b.m
Meth Date : 13-Jan-2014 14:15 50mv4b.i Quant Type: ISTD
Cal Date : 09-JAN-2014 20:58 Cal File: b09.d
Als bottle: 12 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
1 Dichlorodifluoromethane	85	1.063	1.063	(0.205)	16547	5.00000	5.35
2 Chloromethane	50	1.169	1.169	(0.225)	15430	5.00000	5.59
3 Vinyl Chloride	62	1.228	1.228	(0.237)	14338	5.00000	5.28
4 Bromomethane	94	1.416	1.410	(0.273)	4178	5.00000	5.67
5 Chloroethane	64	1.480	1.475	(0.286)	7060	5.00000	5.41
6 Trichlorofluoromethane	101	1.639	1.633	(0.316)	18470	5.00000	5.40
7 1,2-dichlorotrifluoroethane	67	1.845	1.839	(0.356)	10536	5.00000	4.96
8 Diethyl ether	74	1.839	1.833	(0.355)	5800	5.00000	5.14
9 Acrolein	56	1.927	1.927	(0.372)	26928	100.000	102
10 1,1,2trichlorotrifluoroethane	101	1.998	1.992	(0.385)	10318	5.00000	5.09
11 1,1-Dichloroethene	96	1.992	1.986	(0.384)	10111	5.00000	4.93
12 Acetone	43	2.045	2.045	(0.394)	14925	25.0000	21.9
13 Iodomethane	142	2.104	2.098	(0.406)	7133	10.0000	9.62
14 Carbon Disulfide	76	2.151	2.145	(0.415)	50733	10.0000	9.53
15 Acetonitrile	39	2.275	2.269	(0.439)	17425	5.00000	5.26
16 allyl chloride	41	2.275	2.269	(0.439)	27551	10.0000	3.49
17 Methyl Acetate	43	2.304	2.304	(0.444)	8589	5.00000	4.31
18 Methylene Chloride	84	2.375	2.369	(0.458)	14222	5.00000	3.84
19 tert-Butyl Alcohol	59	2.522	2.616	(0.486)	2171	10.0000	10.3(M)
20 Acrylonitrile	53	2.610	2.604	(0.503)	83768	100.000	99.5

21 Methyl-tert-butyl ether	73	2.639	2.633 (0.509)	61997	10.0000	9.80
22 1,2-Dichloroethene (trans)	96	2.622	2.616 (0.506)	12444	5.00000	5.16
23 n-Hexane	57	2.898	2.886 (0.559)	14340	5.00000	4.73

Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b05.d Page 2
Report Date: 13-Jan-2014 16:23

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)
	24 1,1-Dichloroethane	63	3.051	3.045	(0.588)	20120	5.00000	4.86
	25 Vinyl Acetate	43	3.139	3.133	(0.605)	93108	20.0000	22.3
	26 chloroprene	53	3.151	3.145	(0.608)	17376	5.00000	5.28
	27 1,2-Dichloroethene (cis)	96	3.774	3.769	(0.728)	13672	5.00000	4.83
	28 2,2-Dichloropropane	77	3.757	3.751	(0.724)	15410	5.00000	4.97
	29 2-Butanone	43	3.839	3.833	(0.740)	24766	25.0000	23.6
	30 Propionitrile	54	3.921	3.910	(0.756)	1359	5.00000	4.30(Q)
	31 Methacrylonitrile	41	4.116	4.110	(0.794)	6166	5.00000	4.13(Q)
	32 Bromochloromethane	49	4.092	4.086	(0.789)	8834	5.00000	4.81
	33 Tetrahydrofuran	42	4.174	4.157	(0.805)	6091	5.00000	2.81
	34 Chloroform	83	4.227	4.221	(0.815)	19865	5.00000	4.68
$	35 Dibromofluoromethane (S)	113	4.421	4.421	(0.853)	150629	50.0000	50.4
	36 1,1,1-Trichloroethane	97	4.416	4.410	(0.851)	17781	5.00000	4.84
	37 Cyclohexane	56	4.469	4.463	(0.862)	15726	5.00000	4.88
	38 Carbon Tetrachloride	117	4.610	4.604	(0.889)	14327	5.00000	4.76
	39 1,1-Dichloropropene	75	4.621	4.616	(0.891)	17137	5.00000	4.97
	40 Benzene	78	4.857	4.851	(0.936)	48898	5.00000	4.80
	41 1,2-Dichloroethane	62	4.892	4.892	(0.943)	16342	5.00000	5.14
	42 2,2,4-Trimethylpentane	57	4.974	4.968	(0.959)	27466	5.00000	4.73
*	44 Fluorobenzene	96	5.186	5.180	(1.000)	581640	50.0000	
	45 Trichloroethene	95	5.574	5.574	(1.075)	12439	5.00000	4.73
	46 Methylcyclohexane	55	5.757	5.751	(1.110)	12372	5.00000	4.87
	47 1,2-Dichloropropane	63	5.804	5.798	(1.119)	11813	5.00000	4.87
	48 Dibromomethane	93	5.915	5.915	(1.141)	7336	5.00000	5.00
	49 Methyl methacrylate	69	5.980	5.980	(1.153)	7365	5.00000	4.92
	50 1,4-Dioxane	88	5.974	5.974	(1.152)	3070	100.000	110
	51 Bromodichloromethane	83	6.098	6.092	(1.176)	12836	5.00000	4.53
	52 2-Chloroethyl vinyl ether	63	6.427	6.421	(0.817)	14650	10.0000	9.30
	53 cis-1,3-Dichloropropene	75	6.533	6.533	(0.830)	16486	5.00000	4.56
	54 4-Methyl-2-Pentanone	43	6.710	6.704	(0.853)	51376	25.0000	18.4
$	55 Toluene-d8	98	6.774	6.768	(0.861)	617762	50.0000	49.8
	56 Toluene	91	6.833	6.833	(0.868)	55412	5.00000	4.80
	57 trans-1,3-Dichloropropene	75	7.057	7.057	(0.897)	13044	5.00000	4.40
	58 Ethyl Methacrylate	69	7.157	7.157	(0.910)	14019	5.00000	4.82(M)
	59 1,1,2-Trichloroethane	83	7.198	7.198	(0.915)	8891	5.00000	4.71
	60 Tetrachloroethene	166	7.286	7.286	(0.926)	15911	5.00000	4.63
	61 1,3-Dichloropropane	76	7.321	7.321	(0.930)	18460	5.00000	4.80
	62 2-Hexanone	43	7.409	7.409	(0.942)	34132	25.0000	24.5
	63 Dibromochloromethane	129	7.480	7.480	(0.951)	9479	5.00000	5.86
	64 1,2-Dibromoethane	107	7.551	7.551	(0.960)	11397	5.00000	4.86
*	65 Chlorobenzene-d5	117	7.868	7.868	(1.000)	503926	50.0000	
	66 Chlorobenzene	112	7.892	7.892	(1.003)	38213	5.00000	4.80
	67 1,1,1,2-Tetrachloroethane	131	7.951	7.951	(1.010)	11085	5.00000	4.60
	68 Ethylbenzene	106	7.968	7.968	(1.013)	19881	5.00000	4.75
	69 m&p-Xylene	106	8.045	8.045	(1.022)	50126	10.0000	10.1
	70 o-Xylene	106	8.292	8.292	(1.054)	24061	5.00000	5.01
	71 Styrene	104	8.298	8.298	(1.055)	37972	5.00000	4.94
	72 Bromoform	173	8.404	8.409	(0.907)	5694	5.00000	6.75
	73 Isopropylbenzene	105	8.515	8.515	(1.082)	57704	5.00000	4.90
$	74 4-Bromofluorobenzene	95	8.604	8.604	(1.093)	246368	50.0000	50.7
	75 Bromobenzene	77	8.686	8.686	(1.104)	21651	5.00000	4.83

76	1,1,2,2-Tetrachloroethane	83	8.698	8.698 (0.938)	14490	5.00000	4.84
77	1,2,3-Trichloropropane	110	8.715	8.715 (0.940)	4444	5.00000	4.68
78	trans-1,4-Dichloro-2-butene	53	8.727	8.727 (1.109)	2601	5.00000	4.84(Q)

Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b05.d Page 3
Report Date: 13-Jan-2014 16:23

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)
79	n-Propylbenzene	91	8.756	8.756	(0.945)	62596	5.00000	4.75
80	2-Chlorotoluene	91	8.798	8.804	(0.949)	38263	5.00000	4.69
81	1,3,5-Trimethylbenzene	105	8.856	8.856	(0.956)	45384	5.00000	4.80
82	4-Chlorotoluene	126	8.862	8.868	(0.956)	14290	5.00000	4.76(Q)
83	tert-Butylbenzene	119	9.045	9.045	(0.976)	48926	5.00000	4.84
84	1,2,4-Trimethylbenzene	105	9.068	9.074	(0.978)	46090	5.00000	4.78
85	sec-Butylbenzene	105	9.168	9.168	(0.989)	52245	5.00000	4.78
86	1,3-Dichlorobenzene	146	9.227	9.233	(0.996)	25779	5.00000	4.62
87	p-Isopropyltoluene	119	9.251	9.256	(0.998)	44691	5.00000	4.84
* 88	1,4-Dichlorobenzene-d4	152	9.268	9.268	(1.000)	285236	50.0000	
89	1,4-Dichlorobenzene	146	9.280	9.286	(1.001)	27338	5.00000	4.74
90	n-Butylbenzene	91	9.480	9.486	(1.023)	33136	5.00000	4.65
91	1,2-Dichlorobenzene	146	9.492	9.498	(1.024)	24685	5.00000	4.66
92	1,2-Dibromo-3-chloropropane	155	9.933	9.939	(1.072)	1500	5.00000	7.62
93	1,2,4-Trichlorobenzene	180	10.415	10.421	(1.124)	11650	5.00000	6.17
94	Hexachlorobutadiene	225	10.509	10.521	(1.134)	7236	5.00000	4.82
95	Naphthalene	128	10.562	10.568	(1.140)	24103	5.00000	5.83
96	1,2,3-Trichlorobenzene	180	10.703	10.715	(1.155)	10843	5.00000	6.35
97	2,methyl-naphthalene	142	11.245	11.256	(1.213)	1364	5.00000	15.1(QM)
149	1-Methylnaphthalene	142	11.362	11.374	(2.191)	2443	5.00000	6.66(M)

QC Flag Legend

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

Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b05.d

Date : 10-JAN-2014 18:27

Client ID: 8260-CAL4

Instrument: 50mv4b.i

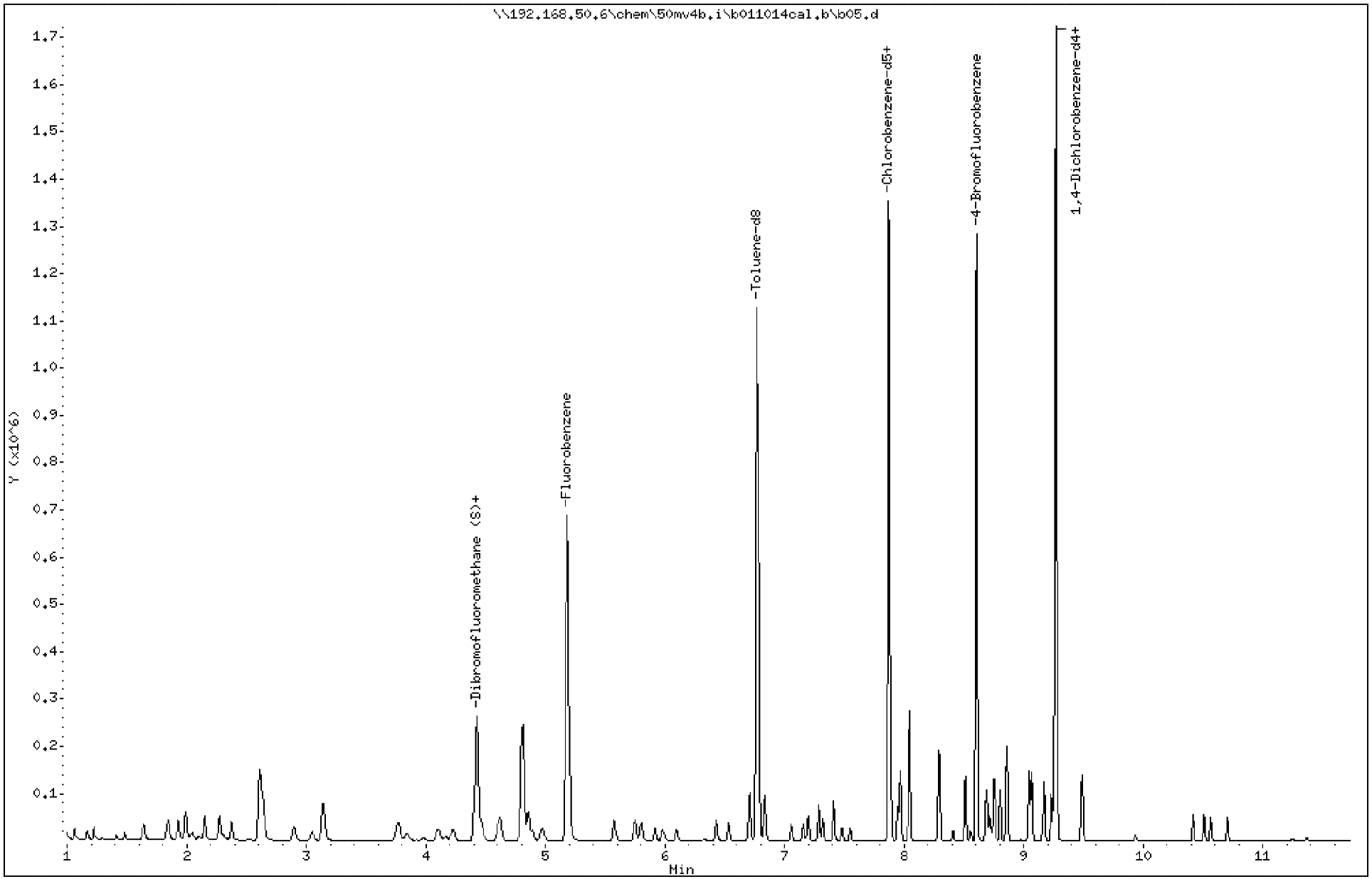
Sample Info: 8260-CAL4,59984:.

Purge Volume: 5.0

Operator: rsw

Column phase: DB-624

Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b06.d Page 1
Report Date: 13-Jan-2014 16:23

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b06.d
Lab Smp Id: 8260-CAL5 Client Smp ID: 8260-CAL5
Inj Date : 10-JAN-2014 18:59
Operator : rsw Inst ID: 50mv4b.i
Smp Info : 8260-cal5,59985:0
Misc Info : 60992
Comment :
Method : \\192.168.50.6\chem\50mv4b.i\b011014cal.b\-b8260_a_b.m
Meth Date : 13-Jan-2014 14:15 50mv4b.i Quant Type: ISTD
Cal Date : 09-JAN-2014 20:58 Cal File: b09.d
Als bottle: 14 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
1	Dichlorodifluoromethane	85	1.063	1.063	(0.205)	32344	10.0000	10.3
2	Chloromethane	50	1.163	1.169	(0.224)	29954	10.0000	10.7
3	Vinyl Chloride	62	1.227	1.228	(0.237)	29626	10.0000	10.8
4	Bromomethane	94	1.416	1.410	(0.273)	8044	10.0000	10.8
5	Chloroethane	64	1.480	1.475	(0.285)	14468	10.0000	10.9
6	Trichlorofluoromethane	101	1.639	1.633	(0.316)	37723	10.0000	10.9
7	1,2-dichlorotrifluoroethane	67	1.845	1.839	(0.356)	21556	10.0000	10.0
8	Diethyl ether	74	1.839	1.833	(0.355)	11934	10.0000	10.4
9	Acrolein	56	1.927	1.927	(0.372)	58340	200.000	218
10	1,1,2trichlorotrifluoroethane	101	1.998	1.992	(0.385)	21477	10.0000	10.5
11	1,1-Dichloroethene	96	1.992	1.986	(0.384)	20793	10.0000	10.0
12	Acetone	43	2.045	2.045	(0.394)	25278	50.0000	47.4
13	Iodomethane	142	2.104	2.098	(0.406)	19020	20.0000	15.1
14	Carbon Disulfide	76	2.151	2.145	(0.415)	107546	20.0000	20.0
15	Acetonitrile	39	2.274	2.269	(0.439)	36764	10.0000	11.0
16	allyl chloride	41	2.274	2.269	(0.439)	55222	20.0000	16.6
17	Methyl Acetate	43	2.304	2.304	(0.444)	16321	10.0000	10.7
18	Methylene Chloride	84	2.374	2.369	(0.458)	24501	10.0000	9.21
19	tert-Butyl Alcohol	59	2.515	2.616	(0.485)	3832	20.0000	18.0
20	Acrylonitrile	53	2.610	2.604	(0.503)	163078	200.000	209

21 Methyl-tert-butyl ether	73	2.633	2.633 (0.508)	125772	20.0000	19.6
22 1,2-Dichloroethene (trans)	96	2.621	2.616 (0.506)	24904	10.0000	10.2
23 n-Hexane	57	2.898	2.886 (0.559)	28026	10.0000	9.14

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)
	24 1,1-Dichloroethane	63	3.051	3.045	(0.588)	41345	10.0000	9.86
	25 Vinyl Acetate	43	3.139	3.133	(0.605)	191199	40.0000	45.3
	26 chloroprene	53	3.151	3.145	(0.608)	34855	10.0000	10.5
	27 1,2-Dichloroethene (cis)	96	3.774	3.769	(0.728)	27817	10.0000	9.70
	28 2,2-Dichloropropane	77	3.762	3.751	(0.726)	30842	10.0000	9.82
	29 2-Butanone	43	3.839	3.833	(0.740)	48473	50.0000	48.6
	30 Propionitrile	54	3.927	3.910	(0.757)	2943	10.0000	9.21(Q)
	31 Methacrylonitrile	41	4.110	4.110	(0.792)	18013	10.0000	11.9(Q)
	32 Bromochloromethane	49	4.092	4.086	(0.789)	18807	10.0000	10.1
	33 Tetrahydrofuran	42	4.168	4.157	(0.804)	8717	10.0000	3.97
	34 Chloroform	83	4.227	4.221	(0.815)	41286	10.0000	9.62
$	35 Dibromofluoromethane (S)	113	4.421	4.421	(0.853)	152016	50.0000	50.2
	36 1,1,1-Trichloroethane	97	4.415	4.410	(0.851)	36644	10.0000	9.86
	37 Cyclohexane	56	4.462	4.463	(0.861)	31697	10.0000	9.71
	38 Carbon Tetrachloride	117	4.609	4.604	(0.889)	29841	10.0000	9.78
	39 1,1-Dichloropropene	75	4.621	4.616	(0.891)	34022	10.0000	9.75
	40 Benzene	78	4.857	4.851	(0.936)	98356	10.0000	9.54
	41 1,2-Dichloroethane	62	4.898	4.892	(0.944)	31378	10.0000	9.74
	42 2,2,4-Trimethylpentane	57	4.974	4.968	(0.959)	54809	10.0000	9.32
	43 Isobutyl alcohol	43	4.974	4.968	(0.959)	9324	10.0000	9.58
*	44 Fluorobenzene	96	5.186	5.180	(1.000)	589018	50.0000	
	45 Trichloroethene	95	5.574	5.574	(1.075)	24963	10.0000	9.37
	46 Methylcyclohexane	55	5.751	5.751	(1.109)	24444	10.0000	9.51
	47 1,2-Dichloropropane	63	5.804	5.798	(1.119)	23387	10.0000	9.52
	48 Dibromomethane	93	5.915	5.915	(1.141)	14381	10.0000	9.68
	49 Methyl methacrylate	69	5.986	5.980	(1.154)	14928	10.0000	9.86
	50 1,4-Dioxane	88	5.974	5.974	(1.152)	5895	200.000	209
	51 Bromodichloromethane	83	6.098	6.092	(1.176)	26628	10.0000	9.28
	52 2-Chloroethyl vinyl ether	63	6.427	6.421	(0.817)	20853	20.0000	18.3
	53 cis-1,3-Dichloropropene	75	6.533	6.533	(0.830)	33199	10.0000	9.16
	54 4-Methyl-2-Pentanone	43	6.709	6.704	(0.853)	96271	50.0000	44.4
$	55 Toluene-d8	98	6.774	6.768	(0.861)	619604	50.0000	49.9
	56 Toluene	91	6.833	6.833	(0.868)	109174	10.0000	9.44
	57 trans-1,3-Dichloropropene	75	7.056	7.057	(0.897)	27449	10.0000	9.25
	58 Ethyl Methacrylate	69	7.156	7.157	(0.910)	26556	10.0000	9.12
	59 1,1,2-Trichloroethane	83	7.198	7.198	(0.915)	17229	10.0000	9.11
	60 Tetrachloroethene	166	7.286	7.286	(0.926)	32139	10.0000	9.33
	61 1,3-Dichloropropane	76	7.321	7.321	(0.930)	34916	10.0000	9.05
	62 2-Hexanone	43	7.409	7.409	(0.942)	64204	50.0000	46.1
	63 Dibromochloromethane	129	7.480	7.480	(0.951)	18785	10.0000	9.10
	64 1,2-Dibromoethane	107	7.550	7.551	(0.960)	21640	10.0000	9.21
*	65 Chlorobenzene-d5	117	7.868	7.868	(1.000)	504805	50.0000	
	66 Chlorobenzene	112	7.892	7.892	(1.003)	73005	10.0000	9.15
	67 1,1,1,2-Tetrachloroethane	131	7.950	7.951	(1.010)	22263	10.0000	9.22
	68 Ethylbenzene	106	7.968	7.968	(1.013)	40465	10.0000	9.65
	69 m&p-Xylene	106	8.045	8.045	(1.022)	96208	20.0000	19.4
	70 o-Xylene	106	8.286	8.292	(1.053)	45675	10.0000	9.50
	71 Styrene	104	8.297	8.298	(1.055)	72648	10.0000	9.44
	72 Bromoform	173	8.409	8.409	(0.907)	11546	10.0000	9.51
	73 Isopropylbenzene	105	8.515	8.515	(1.082)	111692	10.0000	9.47
$	74 4-Bromofluorobenzene	95	8.603	8.604	(1.093)	243509	50.0000	50.1

75	Bromobenzene	77	8.686	8.686 (1.104)	39824	10.0000	8.86
76	1,1,2,2-Tetrachloroethane	83	8.697	8.698 (0.938)	26445	10.0000	8.87
77	1,2,3-Trichloropropane	110	8.715	8.715 (0.940)	8203	10.0000	8.66

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)
78	trans-1,4-Dichloro-2-butene	53	8.727	8.727	(1.109)	4903	10.0000	9.10
79	n-Propylbenzene	91	8.756	8.756	(0.945)	122620	10.0000	9.33
80	2-Chlorotoluene	91	8.803	8.804	(0.950)	72269	10.0000	8.88
81	1,3,5-Trimethylbenzene	105	8.856	8.856	(0.956)	88974	10.0000	9.44
82	4-Chlorotoluene	126	8.862	8.868	(0.956)	27577	10.0000	9.23
83	tert-Butylbenzene	119	9.044	9.045	(0.976)	93577	10.0000	9.29
84	1,2,4-Trimethylbenzene	105	9.068	9.074	(0.978)	88928	10.0000	9.24
85	sec-Butylbenzene	105	9.168	9.168	(0.989)	100278	10.0000	9.21
86	1,3-Dichlorobenzene	146	9.233	9.233	(0.996)	48207	10.0000	8.66
87	p-Isopropyltoluene	119	9.250	9.256	(0.998)	84672	10.0000	9.21
* 88	1,4-Dichlorobenzene-d4	152	9.268	9.268	(1.000)	284306	50.0000	
89	1,4-Dichlorobenzene	146	9.280	9.286	(1.001)	49748	10.0000	8.65
90	n-Butylbenzene	91	9.480	9.486	(1.023)	67389	10.0000	9.48
91	1,2-Dichlorobenzene	146	9.492	9.498	(1.024)	46252	10.0000	8.76
92	1,2-Dibromo-3-chloropropane	155	9.939	9.939	(1.072)	3051	10.0000	10.1
93	1,2,4-Trichlorobenzene	180	10.415	10.421	(1.124)	23041	10.0000	9.36
94	Hexachlorobutadiene	225	10.515	10.521	(1.135)	13402	10.0000	8.95
95	Naphthalene	128	10.562	10.568	(1.140)	52972	10.0000	9.15
96	1,2,3-Trichlorobenzene	180	10.703	10.715	(1.155)	21276	10.0000	9.55
97	2-Methylnaphthalene	142	11.244	11.256	(1.213)	5709	10.0000	16.2
149	1-Methylnaphthalene	142	11.362	11.374	(2.191)	8707	10.0000	8.54

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Reference 23

Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b06.d

Page 4

Date : 10-JAN-2014 18:59

Client ID: 8260-CAL5

Instrument: 50mv4b.i

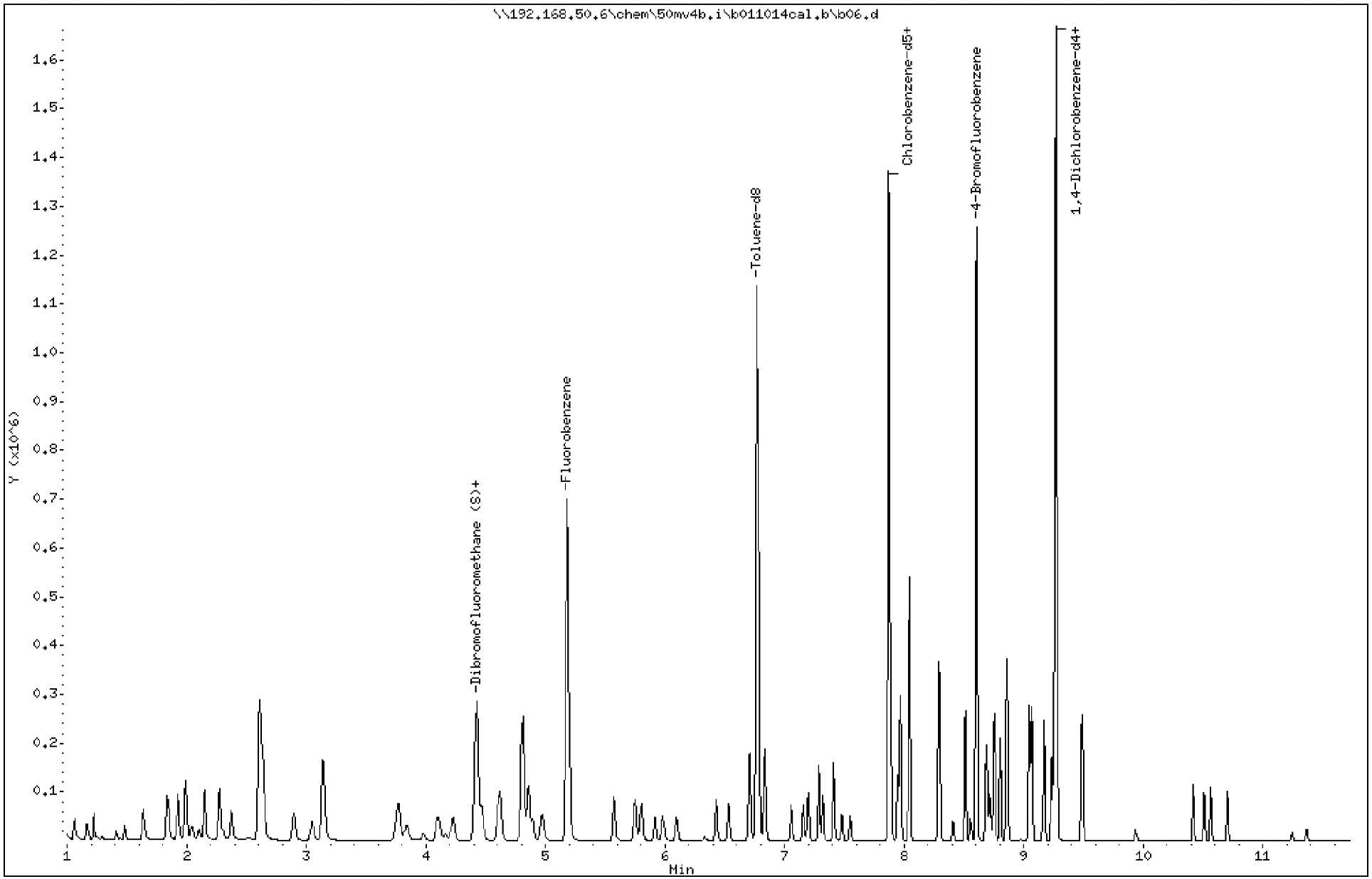
Sample Info: 8260-CAL5,59985:0

Purge Volume: 5.0

Operator: rsw

Column phase: DB-624

Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b07.d Page 1
Report Date: 13-Jan-2014 16:23

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b07.d
Lab Smp Id: 8260-CAL6 Client Smp ID: 8260-CAL6
Inj Date : 10-JAN-2014 19:31
Operator : rsw Inst ID: 50mv4b.i
Smp Info : 8260-cal6,59986:0
Misc Info : 60992
Comment :
Method : \\192.168.50.6\chem\50mv4b.i\b011014cal.b\-b8260_a_b.m
Meth Date : 13-Jan-2014 14:15 50mv4b.i Quant Type: ISTD
Cal Date : 09-JAN-2014 20:58 Cal File: b09.d
Als bottle: 16 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)
1	Dichlorodifluoromethane	85	1.063	1.063	(0.205)	159399	50.0000	47.8
2	Chloromethane	50	1.163	1.169	(0.224)	145277	50.0000	48.8
3	Vinyl Chloride	62	1.228	1.228	(0.236)	144703	50.0000	49.4
4	Bromomethane	94	1.410	1.410	(0.272)	14701	50.0000	18.5
5	Chloroethane	64	1.475	1.475	(0.284)	47877	50.0000	34.0
6	Trichlorofluoromethane	101	1.639	1.633	(0.316)	176302	50.0000	47.8
7	1,2-dichlorotrifluoroethane	67	1.845	1.839	(0.355)	109558	50.0000	47.8
8	Diethyl ether	74	1.839	1.833	(0.354)	61631	50.0000	50.6
9	Acrolein	56	1.933	1.927	(0.372)	257424	1000.00	904
10	1,1,2trichlorotrifluoroethane	101	1.998	1.992	(0.385)	111783	50.0000	51.1
11	1,1-Dichloroethene	96	1.992	1.986	(0.384)	108688	50.0000	49.1
12	Acetone	43	2.051	2.045	(0.395)	115400	250.000	256
13	Iodomethane	142	2.104	2.098	(0.405)	178565	100.000	83.8
14	Carbon Disulfide	76	2.151	2.145	(0.414)	590705	100.000	103
15	Acetonitrile	39	2.275	2.269	(0.438)	185533	50.0000	51.9
16	allyl chloride	41	2.275	2.269	(0.438)	282879	100.000	117
17	Methyl Acetate	43	2.310	2.304	(0.445)	68026	50.0000	50.6
18	Methylene Chloride	84	2.380	2.369	(0.459)	117614	50.0000	54.9
19	tert-Butyl Alcohol	59	2.533	2.616	(0.488)	20556	100.000	90.6
20	Acrylonitrile	53	2.616	2.604	(0.504)	834019	1000.00	1070

21 Methyl-tert-butyl ether	73	2.639	2.633 (0.508)	655836	100.000	96.1
22 1,2-Dichloroethene (trans)	96	2.622	2.616 (0.505)	137973	50.0000	53.0
23 n-Hexane	57	2.898	2.886 (0.558)	157271	50.0000	48.1

Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b07.d Page 2
Report Date: 13-Jan-2014 16:23

		QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)
	24 1,1-Dichloroethane	63	3.057	3.045	(0.589)	222957	50.0000	49.9
	25 Vinyl Acetate	43	3.145	3.133	(0.606)	936534	200.000	208
	26 chloroprene	53	3.157	3.145	(0.608)	183716	50.0000	51.8
	27 1,2-Dichloroethene (cis)	96	3.780	3.769	(0.728)	149723	50.0000	49.0
	28 2,2-Dichloropropane	77	3.769	3.751	(0.726)	173543	50.0000	51.9
	29 2-Butanone	43	3.845	3.833	(0.741)	250353	250.000	247
	30 Propionitrile	54	3.927	3.910	(0.756)	17842	50.0000	52.4(Q)
	31 Methacrylonitrile	41	4.121	4.110	(0.794)	85634	50.0000	53.2
	32 Bromochloromethane	49	4.098	4.086	(0.789)	96366	50.0000	48.6
	33 Tetrahydrofuran	42	4.169	4.157	(0.803)	33153	50.0000	14.2
	34 Chloroform	83	4.233	4.221	(0.815)	221759	50.0000	48.5
$	35 Dibromofluoromethane (S)	113	4.427	4.421	(0.853)	160304	50.0000	49.7
	36 1,1,1-Trichloroethane	97	4.421	4.410	(0.852)	199971	50.0000	50.5
	37 Cyclohexane	56	4.469	4.463	(0.861)	174504	50.0000	50.2
	38 Carbon Tetrachloride	117	4.616	4.604	(0.889)	173047	50.0000	53.2
	39 1,1-Dichloropropene	75	4.627	4.616	(0.891)	186486	50.0000	50.2
	40 Benzene	78	4.863	4.851	(0.937)	524822	50.0000	47.8
	41 1,2-Dichloroethane	62	4.898	4.892	(0.943)	162222	50.0000	47.3
	42 2,2,4-Trimethylpentane	57	4.980	4.968	(0.959)	304631	50.0000	48.6
	43 Isobutyl alcohol	43	4.980	4.968	(0.959)	51941	50.0000	50.1
*	44 Fluorobenzene	96	5.192	5.180	(1.000)	627519	50.0000	
	45 Trichloroethene	95	5.580	5.574	(1.075)	137978	50.0000	48.6
	46 Methylcyclohexane	55	5.757	5.751	(1.109)	134112	50.0000	49.0
	47 1,2-Dichloropropane	63	5.804	5.798	(1.118)	127025	50.0000	48.6
	48 Dibromomethane	93	5.921	5.915	(1.140)	75321	50.0000	47.6
	49 Methyl methacrylate	69	5.986	5.980	(1.153)	78666	50.0000	48.8
	50 1,4-Dioxane	88	5.980	5.974	(1.152)	32240	1000.00	1070
	51 Bromodichloromethane	83	6.098	6.092	(1.174)	155387	50.0000	50.9
	52 2-Chloroethyl vinyl ether	63	6.427	6.421	(0.816)	160942	100.000	99.0
	53 cis-1,3-Dichloropropene	75	6.539	6.533	(0.830)	203228	50.0000	54.4
	54 4-Methyl-2-Pentanone	43	6.710	6.704	(0.852)	491046	250.000	265
$	55 Toluene-d8	98	6.774	6.768	(0.860)	647108	50.0000	50.6
	56 Toluene	91	6.833	6.833	(0.868)	590446	50.0000	49.6
	57 trans-1,3-Dichloropropene	75	7.057	7.057	(0.896)	166872	50.0000	54.6
	58 Ethyl Methacrylate	69	7.162	7.157	(0.910)	148468	50.0000	49.5
	59 1,1,2-Trichloroethane	83	7.198	7.198	(0.914)	91833	50.0000	47.2
	60 Tetrachloroethene	166	7.286	7.286	(0.925)	176773	50.0000	49.8
	61 1,3-Dichloropropane	76	7.321	7.321	(0.930)	188531	50.0000	47.5
	62 2-Hexanone	43	7.410	7.409	(0.941)	339610	250.000	237
	63 Dibromochloromethane	129	7.486	7.480	(0.951)	127964	50.0000	45.9
	64 1,2-Dibromoethane	107	7.551	7.551	(0.959)	117426	50.0000	48.5
*	65 Chlorobenzene-d5	117	7.874	7.868	(1.000)	519751	50.0000	
	66 Chlorobenzene	112	7.892	7.892	(1.002)	393595	50.0000	47.9
	67 1,1,1,2-Tetrachloroethane	131	7.951	7.951	(1.010)	135843	50.0000	54.6
	68 Ethylbenzene	106	7.968	7.968	(1.012)	216546	50.0000	50.1
	69 m&p-Xylene	106	8.045	8.045	(1.022)	519858	100.000	102
	70 o-Xylene	106	8.292	8.292	(1.053)	255133	50.0000	51.5
	71 Styrene	104	8.298	8.298	(1.054)	419568	50.0000	52.9
	72 Bromoform	173	8.409	8.409	(0.907)	82606	50.0000	41.5
	73 Isopropylbenzene	105	8.515	8.515	(1.081)	621667	50.0000	51.2
$	74 4-Bromofluorobenzene	95	8.604	8.604	(1.093)	249581	50.0000	49.8

75	Bromobenzene	77	8.686	8.686 (1.103)	218912	50.0000	47.3
76	1,1,2,2-Tetrachloroethane	83	8.698	8.698 (0.938)	142650	50.0000	46.1
77	1,2,3-Trichloropropane	110	8.715	8.715 (0.940)	43173	50.0000	43.9(Q)

Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b07.d Page 3
Report Date: 13-Jan-2014 16:23

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)
78	trans-1,4-Dichloro-2-butene	53	8.727	8.727	(1.108)	30217	50.0000	54.5
79	n-Propylbenzene	91	8.756	8.756	(0.945)	688624	50.0000	50.5
80	2-Chlorotoluene	91	8.804	8.804	(0.950)	400609	50.0000	47.4
81	1,3,5-Trimethylbenzene	105	8.856	8.856	(0.956)	504537	50.0000	51.6
82	4-Chlorotoluene	126	8.868	8.868	(0.957)	153914	50.0000	49.6
83	tert-Butylbenzene	119	9.045	9.045	(0.976)	539203	50.0000	51.6
84	1,2,4-Trimethylbenzene	105	9.068	9.074	(0.978)	489015	50.0000	49.0
85	sec-Butylbenzene	105	9.168	9.168	(0.989)	577725	50.0000	51.1
86	1,3-Dichlorobenzene	146	9.233	9.233	(0.996)	280700	50.0000	48.6
87	p-Isopropyltoluene	119	9.251	9.256	(0.998)	493608	50.0000	51.7
* 88	1,4-Dichlorobenzene-d4	152	9.268	9.268	(1.000)	295097	50.0000	
89	1,4-Dichlorobenzene	146	9.286	9.286	(1.002)	281982	50.0000	47.2
90	n-Butylbenzene	91	9.486	9.486	(1.023)	399758	50.0000	54.2
91	1,2-Dichlorobenzene	146	9.490	9.490	(1.025)	263206	50.0000	48.0
92	1,2-Dibromo-3-chloropropane	155	9.939	9.939	(1.072)	22055	50.0000	39.4
93	1,2,4-Trichlorobenzene	180	10.421	10.421	(1.124)	153608	50.0000	44.2
94	Hexachlorobutadiene	225	10.515	10.521	(1.135)	79950	50.0000	51.4
95	Naphthalene	128	10.568	10.568	(1.140)	363127	50.0000	43.2
96	1,2,3-Trichlorobenzene	180	10.709	10.715	(1.155)	137906	50.0000	43.6
97	2-Methylnaphthalene	142	11.250	11.256	(1.214)	101172	50.0000	39.2
149	1-Methylnaphthalene	142	11.368	11.374	(2.189)	110951	50.0000	37.2

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b07.d

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Date : 10-JAN-2014 19:31

Client ID: 8260-CAL6

Instrument: 50mv4b.i

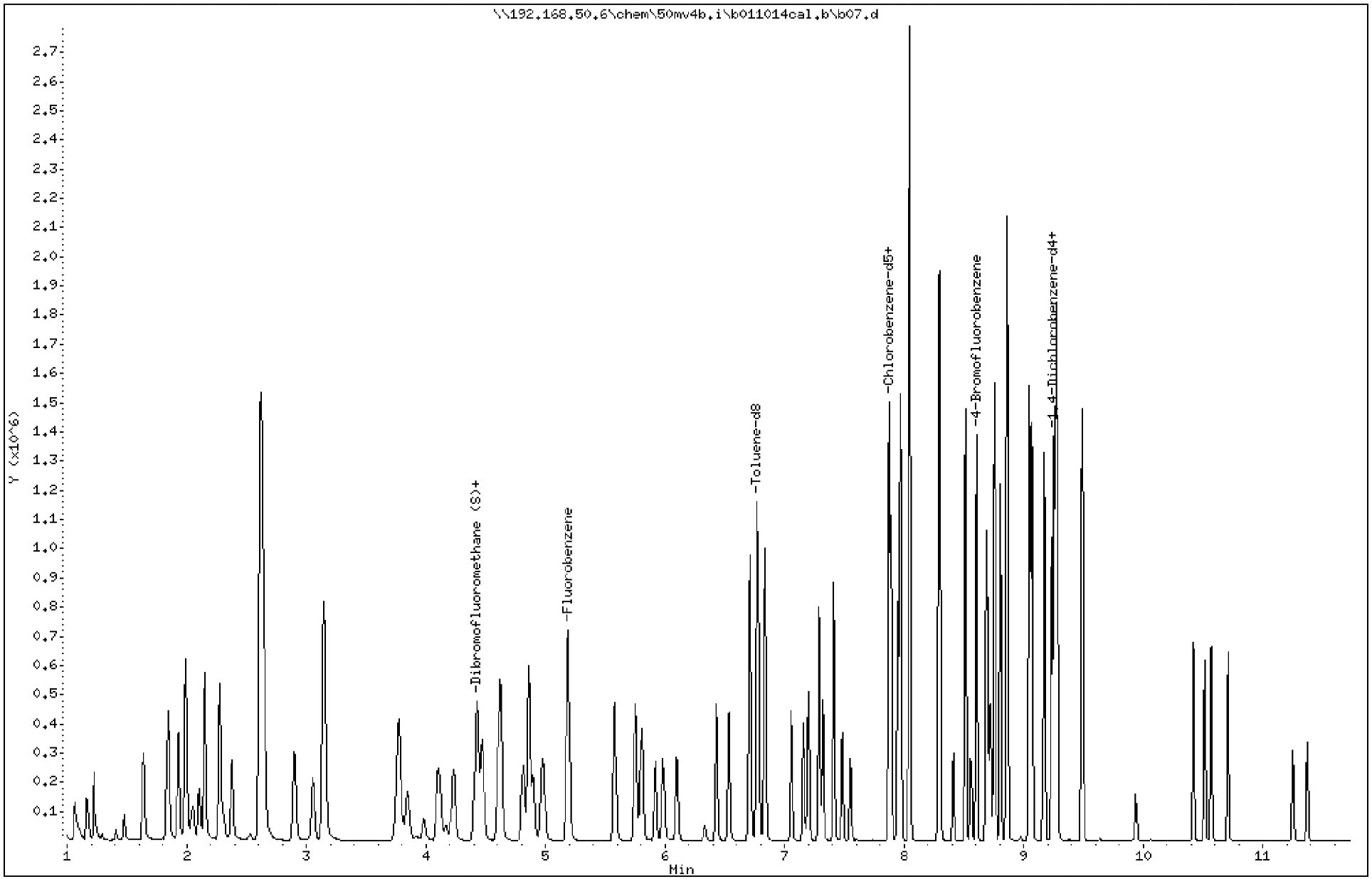
Sample Info: 8260-CAL6,59986:0

Purge Volume: 5.0

Operator: rsw

Column phase: DB-624

Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b08.d Page 1
Report Date: 13-Jan-2014 16:23

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b08.d
Lab Smp Id: 8260-CAL7 Client Smp ID: 8260-CAL7
Inj Date : 10-JAN-2014 20:03
Operator : rsw Inst ID: 50mv4b.i
Smp Info : 8260-cal7,59987:0
Misc Info : 60992
Comment :
Method : \\192.168.50.6\chem\50mv4b.i\b011014cal.b\-b8260_a_b.m
Meth Date : 13-Jan-2014 14:15 50mv4b.i Quant Type: ISTD
Cal Date : 09-JAN-2014 20:58 Cal File: b09.d
Als bottle: 18 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)
1	Dichlorodifluoromethane	85	1.063	1.063	(0.205)	447465	150.000	132
2	Chloromethane	50	1.169	1.169	(0.225)	426971	150.000	142
3	Vinyl Chloride	62	1.228	1.228	(0.237)	451937	150.000	152
4	Bromomethane	94	1.410	1.410	(0.272)	32007	150.000	39.7
5	Chloroethane	64	1.463	1.475	(0.282)	44252	150.000	31.0
6	Trichlorofluoromethane	101	1.628	1.633	(0.314)	463707	150.000	124
7	1,2-dichlorotrifluoroethane	67	1.839	1.839	(0.355)	318829	150.000	137
8	Diethyl ether	74	1.839	1.833	(0.355)	177030	150.000	144
9	Acrolein	56	1.933	1.927	(0.373)	708851	3000.00	2460
10	1,1,2trichlorotrifluoroethane	101	1.992	1.992	(0.384)	309490	150.000	140
11	1,1-Dichloroethene	96	1.986	1.986	(0.383)	310041	150.000	138
12	Acetone	43	2.051	2.045	(0.396)	352999	750.000	805
13	Iodomethane	142	2.098	2.098	(0.405)	708040	300.000	310
14	Carbon Disulfide	76	2.145	2.145	(0.414)	1697648	300.000	292
15	Acetonitrile	39	2.269	2.269	(0.438)	509705	150.000	141
16	allyl chloride	41	2.269	2.269	(0.438)	795148	300.000	343
17	Methyl Acetate	43	2.310	2.304	(0.445)	209131	150.000	160
18	Methylene Chloride	84	2.375	2.369	(0.458)	331912	150.000	160
19	tert-Butyl Alcohol	59	2.539	2.616	(0.490)	60889	300.000	265
20	Acrylonitrile	53	2.622	2.604	(0.506)	2318297	3000.00	2980

21 Methyl-tert-butyl ether	73	2.639	2.633 (0.509)	1944939	300.000	281
22 1,2-Dichloroethene (trans)	96	2.616	2.616 (0.504)	401619	150.000	152
23 n-Hexane	57	2.892	2.886 (0.558)	486622	150.000	147

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			QUANT SIG					AMOUNTS CAL-AMT	AMOUNTS ON-COL
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ppb)	(ppb)
	24	1,1-Dichloroethane	63	3.051	3.045	(0.588)	689507	150.000	152
	25	Vinyl Acetate	43	3.145	3.133	(0.606)	2701957	600.000	593
	26	chloroprene	53	3.151	3.145	(0.608)	539176	150.000	150
	27	1,2-Dichloroethene (cis)	96	3.774	3.769	(0.728)	467625	150.000	151
	28	2,2-Dichloropropane	77	3.757	3.751	(0.724)	538908	150.000	159
	29	2-Butanone	43	3.845	3.833	(0.741)	781533	750.000	769
	30	Propionitrile	54	3.927	3.910	(0.757)	56427	150.000	164
	31	Methacrylonitrile	41	4.121	4.110	(0.795)	264326	150.000	162
	32	Bromochloromethane	49	4.092	4.086	(0.789)	284724	150.000	142
	33	Tetrahydrofuran	42	4.174	4.157	(0.805)	101861	150.000	43.0
	34	Chloroform	83	4.227	4.221	(0.815)	683689	150.000	148
$	35	Dibromofluoromethane (S)	113	4.421	4.421	(0.853)	165124	50.0000	50.5
	36	1,1,1-Trichloroethane	97	4.416	4.410	(0.851)	618430	150.000	154
	37	Cyclohexane	56	4.469	4.463	(0.862)	526029	150.000	150
	38	Carbon Tetrachloride	117	4.610	4.604	(0.889)	556936	150.000	169
	39	1,1-Dichloropropene	75	4.621	4.616	(0.891)	565150	150.000	150
	40	Benzene	78	4.857	4.851	(0.936)	1599086	150.000	144
	41	1,2-Dichloroethane	62	4.898	4.892	(0.944)	483215	150.000	139
	42	2,2,4-Trimethylpentane	57	4.974	4.968	(0.959)	937676	150.000	148
	43	Isobutyl alcohol	43	4.974	4.968	(0.959)	160545	150.000	153
*	44	Fluorobenzene	96	5.186	5.180	(1.000)	635717	50.0000	
	45	Trichloroethene	95	5.574	5.574	(1.075)	426015	150.000	148
	46	Methylcyclohexane	55	5.751	5.751	(1.109)	407397	150.000	147
	47	1,2-Dichloropropane	63	5.804	5.798	(1.119)	393984	150.000	149
	48	Dibromomethane	93	5.915	5.915	(1.141)	241683	150.000	151
	49	Methyl methacrylate	69	5.986	5.980	(1.154)	262551	150.000	161
	50	1,4-Dioxane	88	5.986	5.974	(1.154)	104784	3000.00	3440
	51	Bromodichloromethane	83	6.098	6.092	(1.176)	506407	150.000	164
	52	2-Chloroethyl vinyl ether	63	6.427	6.421	(0.816)	515102	300.000	312
	53	cis-1,3-Dichloropropene	75	6.533	6.533	(0.830)	653170	150.000	172
	54	4-Methyl-2-Pentanone	43	6.710	6.704	(0.852)	1477371	750.000	808
$	55	Toluene-d8	98	6.774	6.768	(0.860)	642041	50.0000	49.6
	56	Toluene	91	6.833	6.833	(0.868)	1777213	150.000	147
	57	trans-1,3-Dichloropropene	75	7.057	7.057	(0.896)	550421	150.000	178
	58	Ethyl Methacrylate	69	7.162	7.157	(0.910)	486211	150.000	160
	59	1,1,2-Trichloroethane	83	7.198	7.198	(0.914)	292263	150.000	148
	60	Tetrachloroethene	166	7.286	7.286	(0.925)	547192	150.000	152
	61	1,3-Dichloropropane	76	7.321	7.321	(0.930)	580688	150.000	144
	62	2-Hexanone	43	7.410	7.409	(0.941)	1035647	750.000	712
	63	Dibromochloromethane	129	7.486	7.480	(0.951)	424177	150.000	144
	64	1,2-Dibromoethane	107	7.551	7.551	(0.959)	378739	150.000	154
*	65	Chlorobenzene-d5	117	7.874	7.868	(1.000)	527238	50.0000	
	66	Chlorobenzene	112	7.892	7.892	(1.002)	1201748	150.000	144
	67	1,1,1,2-Tetrachloroethane	131	7.951	7.951	(1.010)	428724	150.000	170
	68	Ethylbenzene	106	7.968	7.968	(1.012)	653130	150.000	149
	69	m&p-Xylene	106	8.045	8.045	(1.022)	1431584	300.000	277
	70	o-Xylene	106	8.292	8.292	(1.053)	749964	150.000	149
	71	Styrene	104	8.298	8.298	(1.054)	1236862	150.000	154
	72	Bromoform	173	8.409	8.409	(0.907)	300139	150.000	141
	73	Isopropylbenzene	105	8.515	8.515	(1.081)	1849003	150.000	150
$	74	4-Bromofluorobenzene	95	8.604	8.604	(1.093)	248188	50.0000	48.8

75	Bromobenzene	77	8.686	8.686 (1.103)	664873	150.000	142
76	1,1,2,2-Tetrachloroethane	83	8.698	8.698 (0.938)	447451	150.000	146
77	1,2,3-Trichloropropane	110	8.715	8.715 (0.940)	139454	150.000	143

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	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)
78	trans-1,4-Dichloro-2-butene	53	8.727	8.727	(1.108)	102131	150.000	181
79	n-Propylbenzene	91	8.756	8.756	(0.945)	2051654	150.000	152
80	2-Chlorotoluene	91	8.804	8.804	(0.950)	1205151	150.000	144
81	1,3,5-Trimethylbenzene	105	8.856	8.856	(0.956)	1438073	150.000	148
82	4-Chlorotoluene	126	8.868	8.868	(0.957)	452276	150.000	147
83	tert-Butylbenzene	119	9.045	9.045	(0.976)	1643147	150.000	158
84	1,2,4-Trimethylbenzene	105	9.074	9.074	(0.979)	1480171	150.000	149
85	sec-Butylbenzene	105	9.168	9.168	(0.989)	1759073	150.000	157
86	1,3-Dichlorobenzene	146	9.233	9.233	(0.996)	879051	150.000	153
87	p-Isopropyltoluene	119	9.251	9.256	(0.998)	1508255	150.000	159
* 88	1,4-Dichlorobenzene-d4	152	9.268	9.268	(1.000)	293066	50.0000	
89	1,4-Dichlorobenzene	146	9.280	9.286	(1.001)	892460	150.000	150
90	n-Butylbenzene	91	9.480	9.486	(1.023)	1245888	150.000	170
91	1,2-Dichlorobenzene	146	9.492	9.498	(1.024)	821158	150.000	151
92	1,2-Dibromo-3-chloropropane	155	9.939	9.939	(1.072)	83187	150.000	135
93	1,2,4-Trichlorobenzene	180	10.415	10.421	(1.124)	521747	150.000	144
94	Hexachlorobutadiene	225	10.515	10.521	(1.135)	261190	150.000	169
95	Naphthalene	128	10.562	10.568	(1.140)	1290870	150.000	147
96	1,2,3-Trichlorobenzene	180	10.709	10.715	(1.155)	474284	150.000	144
97	2-Methylnaphthalene	142	11.250	11.256	(1.214)	500007	150.000	136
149	1-Methylnaphthalene	142	11.368	11.374	(2.192)	488935	150.000	142

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Date : 10-JAN-2014 20:03

Client ID: 8260-CAL7

Instrument: 50mv4b.i

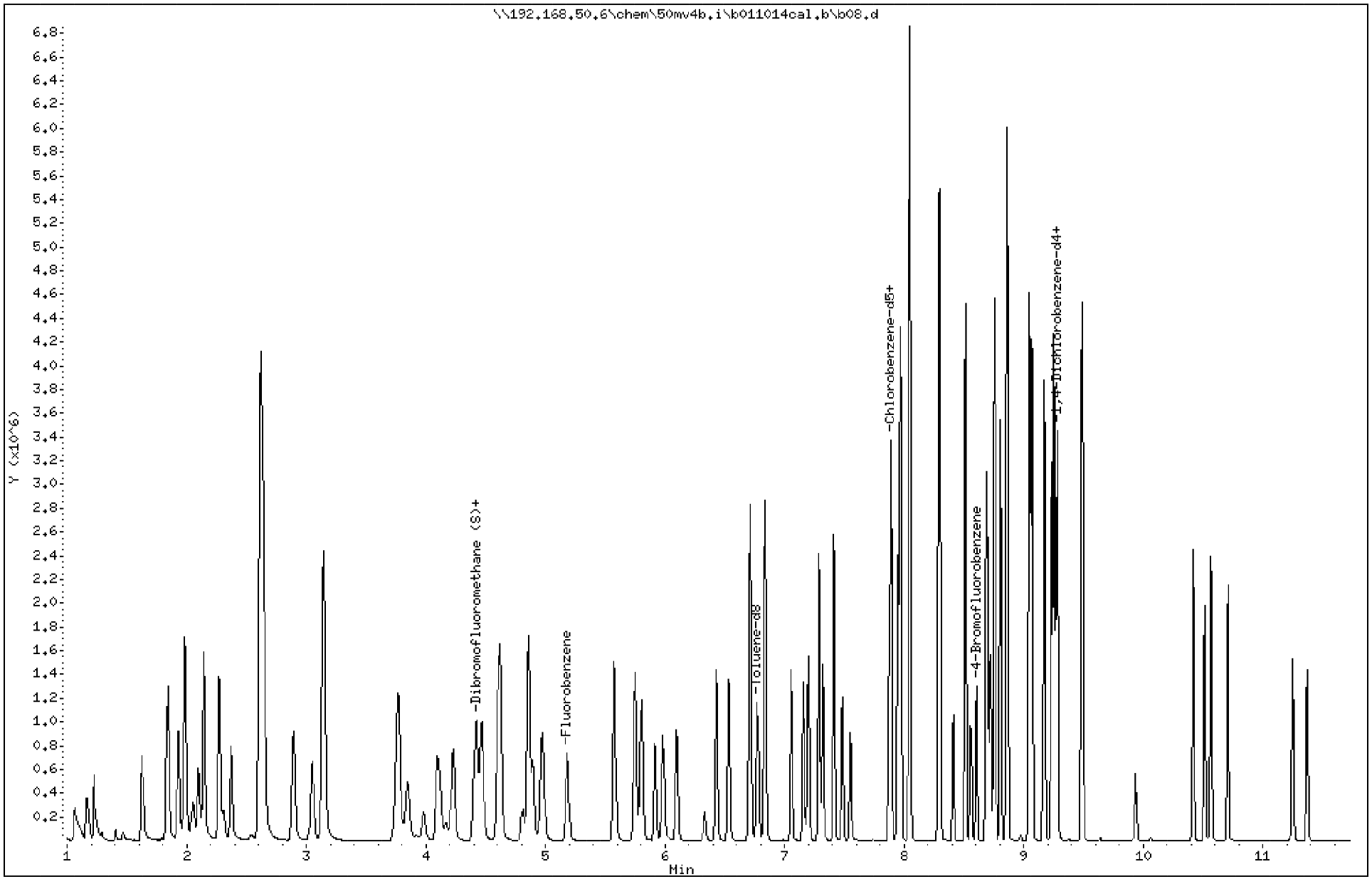
Sample Info: 8260-CAL7,59987:0

Purge Volume: 5.0

Operator: rsw

Column phase: DB-624

Column diameter: 0.18



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Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b09.d
Lab Smp Id: 8260-CAL8 Client Smp ID: 8260-CAL8
Inj Date : 10-JAN-2014 20:36
Operator : rsw Inst ID: 50mv4b.i
Smp Info : 8260-cal8,59988:0
Misc Info : 60992
Comment :
Method : \\192.168.50.6\chem\50mv4b.i\b011014cal.b\-b8260_a_b.m
Meth Date : 13-Jan-2014 14:15 50mv4b.i Quant Type: ISTD
Cal Date : 09-JAN-2014 20:58 Cal File: b09.d
Als bottle: 20 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)
1	Dichlorodifluoromethane	85	1.057	1.063	(0.204)	531908	300.000	146
2	Chloromethane	50	1.163	1.169	(0.224)	712429	300.000	220
3	Vinyl Chloride	62	1.227	1.228	(0.237)	729951	300.000	229
4	Bromomethane	94	1.404	1.410	(0.271)	60669	300.000	70.1
5	Chloroethane	64	1.463	1.475	(0.282)	49220	300.000	32.1
6	Trichlorofluoromethane	101	1.616	1.633	(0.312)	586834	300.000	146
7	1,2-dichlorotrifluoroethane	67	1.839	1.839	(0.355)	574656	300.000	230
8	Diethyl ether	74	1.839	1.833	(0.355)	320693	300.000	242
9	Acrolein	56	1.933	1.927	(0.373)	1104828	6000.00	3570
10	1,1,2trichlorotrifluoroethane	101	1.980	1.992	(0.382)	563699	300.000	237
11	1,1-Dichloroethene	96	1.980	1.986	(0.382)	545549	300.000	226
12	Acetone	43	2.057	2.045	(0.397)	687063	1500.00	1470
13	Iodomethane	142	2.092	2.098	(0.403)	1482538	600.000	598
14	Carbon Disulfide	76	2.139	2.145	(0.413)	2981861	600.000	477
15	Acetonitrile	39	2.268	2.269	(0.437)	945533	300.000	243
16	allyl chloride	41	2.268	2.269	(0.437)	1417516	600.000	576
17	Methyl Acetate	43	2.310	2.304	(0.445)	411942	300.000	295
18	Methylene Chloride	84	2.368	2.369	(0.457)	649881	300.000	294
19	tert-Butyl Alcohol	59	2.598	2.616	(0.501)	176506	600.000	715
20	Acrylonitrile	53	2.627	2.604	(0.507)	3829492	6000.00	4580

21 Methyl-tert-butyl ether	73	2.651	2.633 (0.511)	3536544	600.000	476
22 1,2-Dichloroethene (trans)	96	2.610	2.616 (0.503)	779090	300.000	275
23 n-Hexane	57	2.886	2.886 (0.557)	999247	300.000	281

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	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)
	24 1,1-Dichloroethane	63	3.045	3.045	(0.587)	1440416	300.000	296
	25 Vinyl Acetate	43	3.145	3.133	(0.606)	4423712	1200.00	904
	26 chloroprene	53	3.145	3.145	(0.606)	1022857	300.000	265
	27 1,2-Dichloroethene (cis)	96	3.768	3.769	(0.727)	991915	300.000	298
	28 2,2-Dichloropropane	77	3.757	3.751	(0.724)	1116569	300.000	307
	29 2-Butanone	43	3.851	3.833	(0.743)	1625814	1500.00	1490
	30 Propionitrile	54	3.939	3.910	(0.760)	120088	300.000	324(Q)
	31 Methacrylonitrile	41	4.121	4.110	(0.795)	544812	300.000	311
	32 Bromochloromethane	49	4.092	4.086	(0.789)	574309	300.000	266
	33 Tetrahydrofuran	42	4.174	4.157	(0.805)	210848	300.000	82.9
	34 Chloroform	83	4.221	4.221	(0.814)	1413676	300.000	284
$	35 Dibromofluoromethane (S)	113	4.421	4.421	(0.853)	174139	50.0000	49.6
	36 1,1,1-Trichloroethane	97	4.410	4.410	(0.850)	1297437	300.000	301
	37 Cyclohexane	56	4.462	4.463	(0.861)	1078384	300.000	285
	38 Carbon Tetrachloride	117	4.604	4.604	(0.888)	1161665	300.000	328
	39 1,1-Dichloropropene	75	4.621	4.616	(0.891)	1147284	300.000	284
	40 Benzene	78	4.857	4.851	(0.936)	3311114	300.000	277
	41 1,2-Dichloroethane	62	4.898	4.892	(0.944)	995050	300.000	266
	42 2,2,4-Trimethylpentane	57	4.974	4.968	(0.959)	1949455	300.000	286
	43 Isobutyl alcohol	43	4.974	4.968	(0.959)	345717	300.000	306
*	44 Fluorobenzene	96	5.186	5.180	(1.000)	682965	50.0000	
	45 Trichloroethene	95	5.574	5.574	(1.075)	884612	300.000	286
	46 Methylcyclohexane	55	5.751	5.751	(1.109)	847884	300.000	284
	47 1,2-Dichloropropane	63	5.804	5.798	(1.119)	827986	300.000	291
	48 Dibromomethane	93	5.915	5.915	(1.141)	512543	300.000	298
	49 Methyl methacrylate	69	5.986	5.980	(1.154)	555506	300.000	316
	50 1,4-Dioxane	88	5.992	5.974	(1.155)	215104	6000.00	6570
	51 Bromodichloromethane	83	6.098	6.092	(1.176)	1084243	300.000	326
	52 2-Chloroethyl vinyl ether	63	6.427	6.421	(0.816)	1067866	600.000	632
	53 cis-1,3-Dichloropropene	75	6.533	6.533	(0.830)	1393660	300.000	359
	54 4-Methyl-2-Pentanone	43	6.715	6.704	(0.853)	2734872	1500.00	1470
$	55 Toluene-d8	98	6.774	6.768	(0.860)	677370	50.0000	51.0
	56 Toluene	91	6.833	6.833	(0.868)	3508943	300.000	284
	57 trans-1,3-Dichloropropene	75	7.056	7.057	(0.896)	1190745	300.000	375
	58 Ethyl Methacrylate	69	7.162	7.157	(0.910)	1011232	300.000	324
	59 1,1,2-Trichloroethane	83	7.198	7.198	(0.914)	612550	300.000	303
	60 Tetrachloroethene	166	7.292	7.286	(0.926)	1111470	300.000	302
	61 1,3-Dichloropropane	76	7.321	7.321	(0.930)	1199945	300.000	291
	62 2-Hexanone	43	7.415	7.409	(0.942)	1920732	1500.00	1290
	63 Dibromochloromethane	129	7.486	7.480	(0.951)	922849	300.000	304
	64 1,2-Dibromoethane	107	7.550	7.551	(0.959)	815007	300.000	324
*	65 Chlorobenzene-d5	117	7.874	7.868	(1.000)	540065	50.0000	
	66 Chlorobenzene	112	7.892	7.892	(1.002)	2337374	300.000	274
	67 1,1,1,2-Tetrachloroethane	131	7.950	7.951	(1.010)	888440	300.000	344
	68 Ethylbenzene	106	7.974	7.968	(1.013)	1235245	300.000	275
	69 m&p-Xylene	106	8.050	8.045	(1.022)	2305208	600.000	435
	70 o-Xylene	106	8.292	8.292	(1.053)	1287935	300.000	250
	71 Styrene	104	8.303	8.298	(1.055)	2087624	300.000	253
	72 Bromoform	173	8.409	8.409	(0.907)	682320	300.000	306
	73 Isopropylbenzene	105	8.515	8.515	(1.081)	3435704	300.000	272
$	74 4-Bromofluorobenzene	95	8.603	8.604	(1.093)	259316	50.0000	49.8

75	Bromobenzene	77	8.686	8.686 (1.103)	1301106	300.000	271
76	1,1,2,2-Tetrachloroethane	83	8.697	8.698 (0.938)	892460	300.000	282
77	1,2,3-Trichloropropane	110	8.721	8.715 (0.940)	290164	300.000	288

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	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	
78	trans-1,4-Dichloro-2-butene	53	8.733	8.727	(1.109)	218178	300.000	378	
79	n-Propylbenzene	91	8.756	8.756	(0.944)	3803015	300.000	273	
80	2-Chlorotoluene	91	8.803	8.804	(0.949)	2366561	300.000	274	
81	1,3,5-Trimethylbenzene	105	8.856	8.856	(0.955)	2476265	300.000	248	
82	4-Chlorotoluene	126	8.868	8.868	(0.956)	784931	300.000	247	
83	tert-Butylbenzene	119	9.045	9.045	(0.975)	3017088	300.000	282	
84	1,2,4-Trimethylbenzene	105	9.074	9.074	(0.978)	2790980	300.000	273	
85	sec-Butylbenzene	105	9.174	9.168	(0.989)	3370367	300.000	292	
86	1,3-Dichlorobenzene	146	9.233	9.233	(0.996)	1807373	300.000	306	
87	p-Isopropyltoluene	119	9.256	9.256	(0.998)	2839035	300.000	291	
* 88	1,4-Dichlorobenzene-d4	152	9.274	9.268	(1.000)	301930	50.0000		(Q)
89	1,4-Dichlorobenzene	146	9.286	9.286	(1.001)	1785876	300.000	292	
90	n-Butylbenzene	91	9.486	9.486	(1.023)	2323850	300.000	308	
91	1,2-Dichlorobenzene	146	9.497	9.498	(1.024)	1573311	300.000	281	
92	1,2-Dibromo-3-chloropropane	155	9.939	9.939	(1.072)	200168	300.000	309	
93	1,2,4-Trichlorobenzene	180	10.421	10.421	(1.124)	1144480	300.000	304	
94	Hexachlorobutadiene	225	10.515	10.521	(1.134)	591354	300.000	372	
95	Naphthalene	128	10.568	10.568	(1.140)	2773385	300.000	303	
96	1,2,3-Trichlorobenzene	180	10.709	10.715	(1.155)	1046267	300.000	304	
97	2-Methylnaphthalene	142	11.250	11.256	(1.213)	1246376	300.000	308	
149	1-Methylnaphthalene	142	11.374	11.374	(2.193)	1158118	300.000	306	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b09.d

Page 4

Date : 10-JAN-2014 20:36

Client ID: 8260-CAL8

Instrument: 50mv4b.i

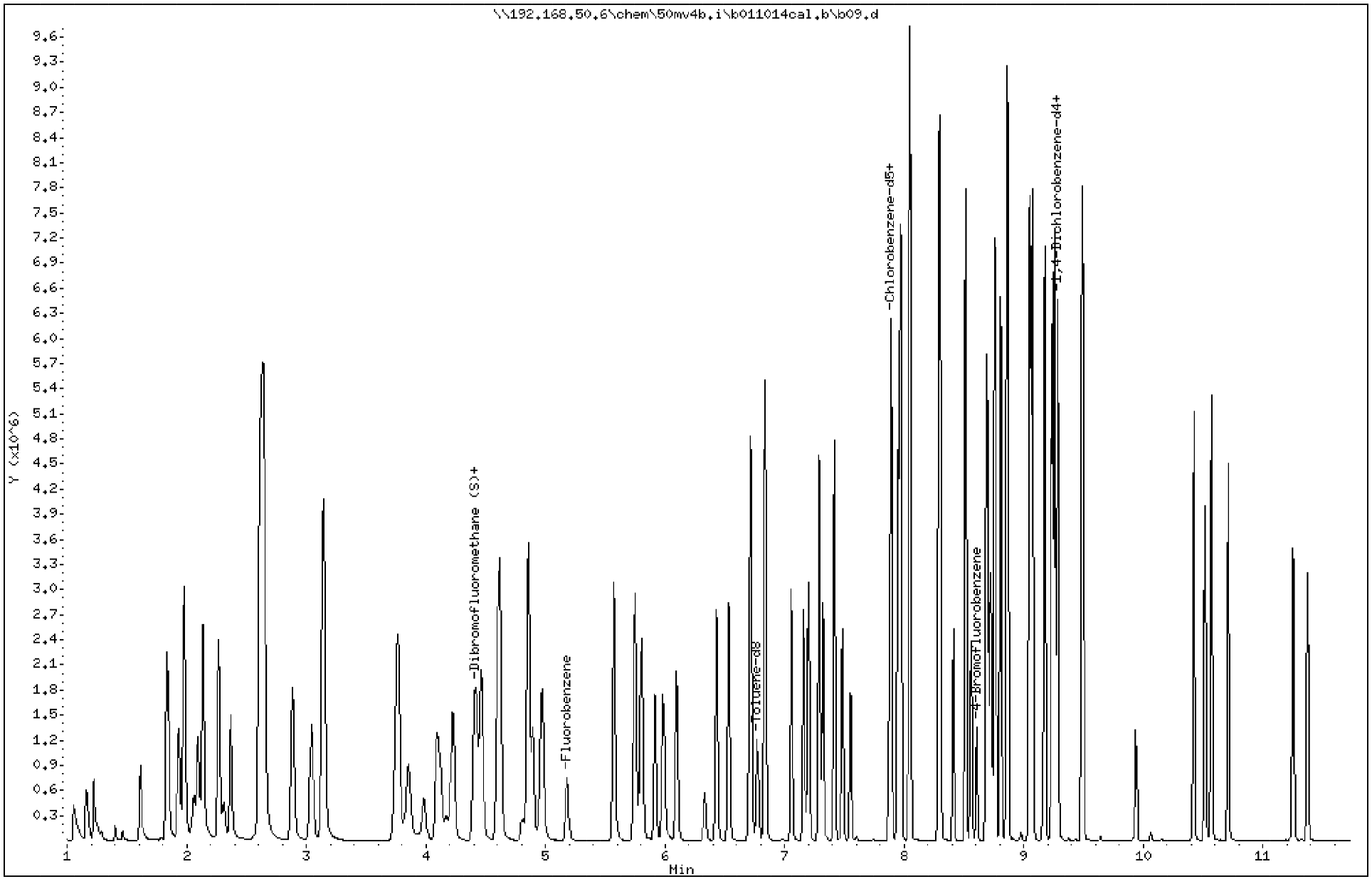
Sample Info: 8260-CAL8,59988:0

Purge Volume: 5.0

Operator: rsw

Column phase: DB-624

Column diameter: 0.18



Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d
Lab Smp Id: 8260-ICV Client Smp ID: 8260-ICV
Inj Date : 10-JAN-2014 21:40
Operator : rsw Inst ID: 50mv4b.i
Smp Info : 8260-icv,59989:0
Misc Info : 60992
Comment :
Method : \\192.168.50.6\chem\50mv4b.i\b011014cal.b\-b8260_a_b.m
Meth Date : 13-Jan-2014 14:15 50mv4b.i Quant Type: ISTD
Cal Date : 10-JAN-2014 20:36 Cal File: b09.d
Als bottle: 24 QC Sample: ICV
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
1	Dichlorodifluoromethane	85	1.063	1.063	(0.205)	157640	44.7272	44.7
2	Chloromethane	50	1.169	1.169	(0.225)	141084	44.8911	44.9
3	Vinyl Chloride	62	1.227	1.228	(0.236)	142365	46.0250	46.0
4	Bromomethane	94	1.416	1.410	(0.273)	38697	46.0936	46.1
5	Chloroethane	64	1.480	1.475	(0.285)	59871	40.2668	40.3
6	Trichlorofluoromethane	101	1.645	1.633	(0.317)	179647	46.1110	46.1
7	1,2-dichlorotrifluoroethane	67	1.845	1.839	(0.355)	219878	90.8114	90.8(R)
8	Diethyl ether	74	1.839	1.833	(0.354)	63740	49.5883	49.6
9	Acrolein	56	1.933	1.927	(0.372)	251715	837.397	837
10	1,1,2trichlorotrifluoroethane	101	1.998	1.992	(0.385)	121714	52.7122	52.7
11	1,1-Dichloroethene	96	1.992	1.986	(0.384)	108572	46.4377	46.4
12	Acetone	43	2.045	2.045	(0.394)	118064	247.441	247
13	Iodomethane	142	2.104	2.098	(0.405)	163103	73.3585	73.4
14	Carbon Disulfide	76	2.151	2.145	(0.414)	635860	104.852	105
15	Acetonitrile	39	2.274	2.269	(0.438)	170531	45.1891	45.2
16	allyl chloride	41	2.274	2.269	(0.438)	262028	101.715	102
17	Methyl Acetate	43	2.310	2.304	(0.445)	69565	48.8917	48.9
18	Methylene Chloride	84	2.380	2.369	(0.459)	117651	51.8108	51.8
19	tert-Butyl Alcohol	59	2.522	2.616	(0.486)	19823	82.7275	82.7(H)
20	Acrylonitrile	53	2.616	2.604	(0.504)	837343	1018.80	1020

21 Methyl-tert-butyl ether	73	2.639	2.633 (0.508)	702137	97.4488	97.4
22 1,2-Dichloroethene (trans)	96	2.622	2.616 (0.505)	134911	49.1069	49.1
23 n-Hexane	57	2.898	2.886 (0.558)	172407	49.9627	50.0

		QUANT SIG					CONCENTRATIONS ON-COLUMN	FINAL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ppb)	(ppb)
	24 1,1-Dichloroethane	63	3.051	3.045	(0.588)	228692	48.4636	48.5
	25 Vinyl Acetate	43	3.145	3.133	(0.606)	953878	200.956	201
	26 chloroprene	53	3.151	3.145	(0.607)	189232	50.5063	50.5
	27 1,2-Dichloroethene (cis)	96	3.780	3.769	(0.728)	148671	46.1075	46.1
	28 2,2-Dichloropropane	77	3.763	3.751	(0.725)	182149	51.5617	51.6
	29 2-Butanone	43	3.839	3.833	(0.739)	255225	238.686	239
	30 Propionitrile	54	3.921	3.910	(0.755)	16102	44.7744	44.8(Q)
	31 Methacrylonitrile	41	4.121	4.110	(0.794)	297804	175.219	175
	32 Bromochloromethane	49	4.098	4.086	(0.789)	98759	47.1984	47.2
	33 Tetrahydrofuran	42	4.168	4.157	(0.803)	36814	14.9207	14.9
	34 Chloroform	83	4.233	4.221	(0.815)	231087	47.8428	47.8
$	35 Dibromofluoromethane (S)	113	4.427	4.421	(0.853)	168967	49.6085	49.6
	36 1,1,1-Trichloroethane	97	4.421	4.410	(0.852)	202472	48.4191	48.4
	37 Cyclohexane	56	4.468	4.463	(0.861)	215488	58.6708	58.7
	38 Carbon Tetrachloride	117	4.615	4.604	(0.889)	181085	52.7697	52.8
	39 1,1-Dichloropropene	75	4.621	4.616	(0.890)	187147	47.6657	47.7
	40 Benzene	78	4.863	4.851	(0.937)	536533	46.2765	46.3
	41 1,2-Dichloroethane	62	4.898	4.892	(0.943)	164565	45.4009	45.4
	42 2,2,4-Trimethylpentane	57	4.974	4.968	(0.958)	315698	47.6967	47.7
	43 Isobutyl alcohol	43	4.974	4.968	(0.958)	52580	48.0201	48.0
*	44 Fluorobenzene	96	5.192	5.180	(1.000)	662672	50.0000	
	45 Trichloroethene	95	5.574	5.574	(1.074)	141518	47.1957	47.2
	46 Methylcyclohexane	55	5.757	5.751	(1.109)	156611	54.1456	54.1
	47 1,2-Dichloropropane	63	5.804	5.798	(1.118)	127475	46.1510	46.2
	48 Dibromomethane	93	5.921	5.915	(1.140)	78494	46.9827	47.0
	49 Methyl methacrylate	69	5.986	5.980	(1.153)	88785	52.1188	52.1
	50 1,4-Dioxane	88	5.974	5.974	(1.151)	30784	968.735	969
	51 Bromodichloromethane	83	6.098	6.092	(1.174)	163114	50.5571	50.6
	52 2-Chloroethyl vinyl ether	63	6.427	6.421	(0.816)	84053	51.2048	51.3
	53 cis-1,3-Dichloropropene	75	6.533	6.533	(0.830)	202921	53.9075	53.9
	54 4-Methyl-2-Pentanone	43	6.709	6.704	(0.852)	522925	280.314	280
$	55 Toluene-d8	98	6.774	6.768	(0.860)	656038	50.9663	51.0
	56 Toluene	91	6.833	6.833	(0.868)	593700	49.4515	49.4
	57 trans-1,3-Dichloropropene	75	7.057	7.057	(0.896)	173535	56.3128	56.3
	58 Ethyl Methacrylate	69	7.157	7.157	(0.909)	667536	220.701	221
	59 1,1,2-Trichloroethane	83	7.198	7.198	(0.914)	97617	49.7334	49.7
	60 Tetrachloroethene	166	7.286	7.286	(0.925)	174830	48.8808	48.9
	61 1,3-Dichloropropane	76	7.321	7.321	(0.930)	189780	47.4014	47.4
	62 2-Hexanone	43	7.409	7.409	(0.941)	358298	247.729	248
	63 Dibromochloromethane	129	7.486	7.480	(0.951)	127288	45.3270	45.3
	64 1,2-Dibromoethane	107	7.551	7.551	(0.959)	124769	51.1415	51.1
*	65 Chlorobenzene-d5	117	7.874	7.868	(1.000)	524135	50.0000	
	66 Chlorobenzene	112	7.892	7.892	(1.002)	397409	47.9546	48.0
	67 1,1,1,2-Tetrachloroethane	131	7.951	7.951	(1.010)	139766	55.7275	55.7
	68 Ethylbenzene	106	7.968	7.968	(1.012)	217238	49.8765	49.9
	69 m&p-Xylene	106	8.045	8.045	(1.022)	528127	102.738	103
	70 o-Xylene	106	8.292	8.292	(1.053)	251989	50.4602	50.5
	71 Styrene	104	8.298	8.298	(1.054)	429245	53.7032	53.7
	72 Bromoform	173	8.409	8.409	(0.907)	88729	45.2541	45.2
	73 Isopropylbenzene	105	8.515	8.515	(1.081)	623394	50.8906	50.9
$	74 4-Bromofluorobenzene	95	8.603	8.604	(1.093)	239373	47.3988	47.4

75	Bromobenzene	77	8.686	8.686 (1.103)	214018	45.8882	45.9
76	1,1,2,2-Tetrachloroethane	83	8.698	8.698 (0.938)	149312	49.4436	49.4
77	1,2,3-Trichloropropane	110	8.715	8.715 (0.940)	44845	46.7474	46.7(Q)

Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 3
Report Date: 13-Jan-2014 16:24

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)	
78	trans-1,4-Dichloro-2-butene	53	8.727	8.727	(1.108)	135060	241.425	241	(Q)
79	n-Propylbenzene	91	8.756	8.756	(0.945)	692702	52.0778	52.1	
80	2-Chlorotoluene	91	8.803	8.804	(0.950)	402594	48.8657	48.9	
81	1,3,5-Trimethylbenzene	105	8.856	8.856	(0.956)	484313	50.7707	50.8	
82	4-Chlorotoluene	126	8.868	8.868	(0.957)	155645	51.4244	51.4	
83	tert-Butylbenzene	119	9.045	9.045	(0.976)	426579	41.8224	41.8	
84	1,2,4-Trimethylbenzene	105	9.074	9.074	(0.979)	484976	49.7894	49.8	
85	sec-Butylbenzene	105	9.168	9.168	(0.989)	569347	51.6555	51.6	
86	1,3-Dichlorobenzene	146	9.233	9.233	(0.996)	283870	50.3846	50.4	
87	p-Isopropyltoluene	119	9.250	9.256	(0.998)	500926	53.7997	53.8	
* 88	1,4-Dichlorobenzene-d4	152	9.268	9.268	(1.000)	287891	50.0000		(Q)
89	1,4-Dichlorobenzene	146	9.286	9.286	(1.002)	286837	49.2635	49.3	
90	n-Butylbenzene	91	9.486	9.486	(1.023)	393728	54.7216	54.7	
91	1,2-Dichlorobenzene	146	9.490	9.490	(1.025)	271062	50.7036	50.7	
92	1,2-Dibromo-3-chloropropane	155	9.939	9.939	(1.072)	24878	44.8084	44.8	
93	1,2,4-Trichlorobenzene	180	10.421	10.421	(1.124)	153694	45.3037	45.3	
94	Hexachlorobutadiene	225	10.521	10.521	(1.135)	82461	54.3897	54.4	
95	Naphthalene	128	10.568	10.568	(1.140)	381157	46.2638	46.3	
96	1,2,3-Trichlorobenzene	180	10.709	10.715	(1.155)	140881	45.5703	45.6	
97	2-Methylnaphthalene	142	11.256	11.256	(1.214)	126090	45.9345	45.9	
149	1-Methylnaphthalene	142	11.374	11.374	(2.191)	125827	39.5301	39.5	

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
H - Operator selected an alternate compound hit.

Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d

Page 4

Date : 10-JAN-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv4b.i

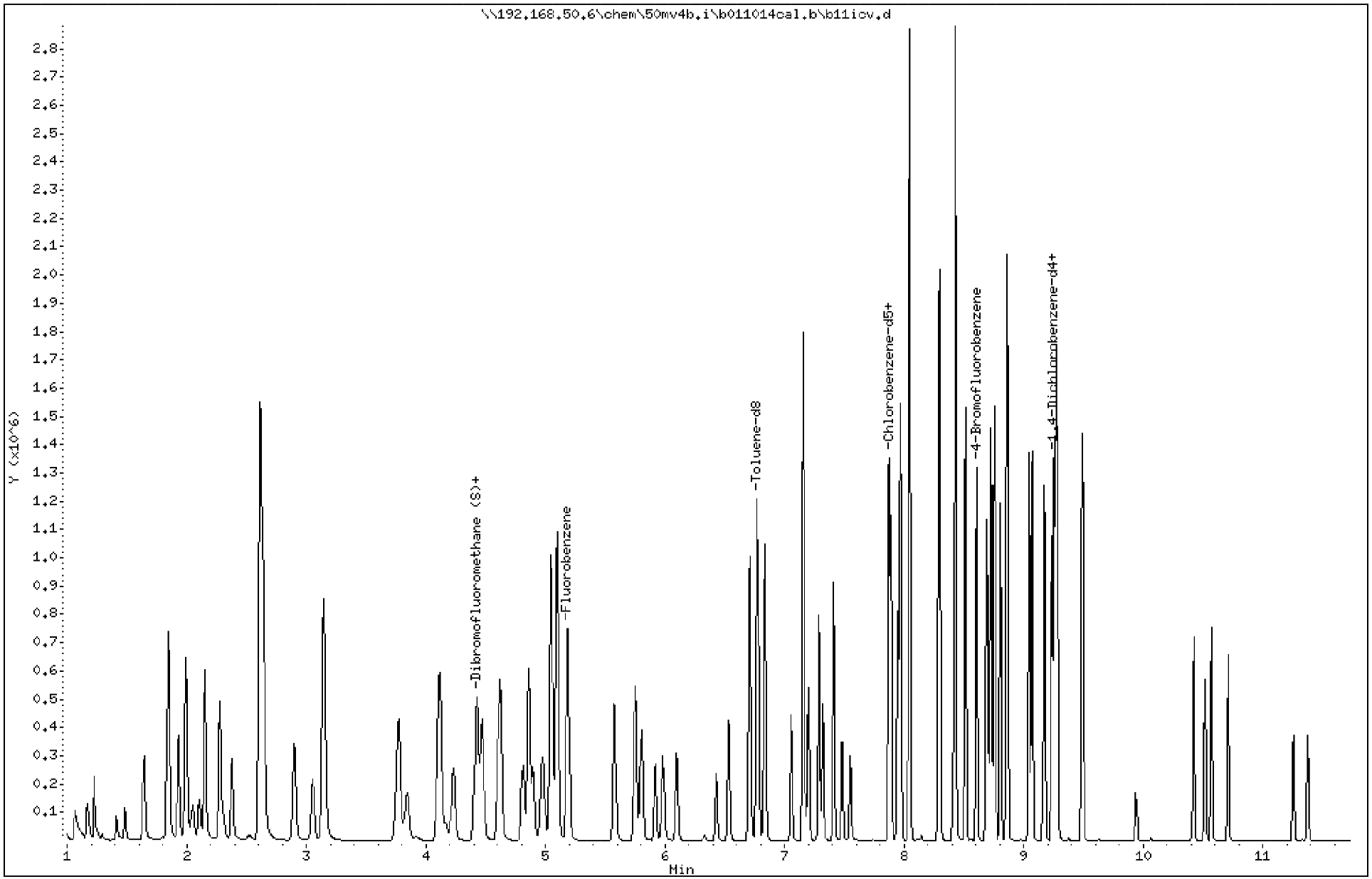
Sample Info: 8260-ICV,59989;0

Purge Volume: 5.0

Operator: rsw

Column phase: DB-624

Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 5

Date : 10-JAN-2014 21:40

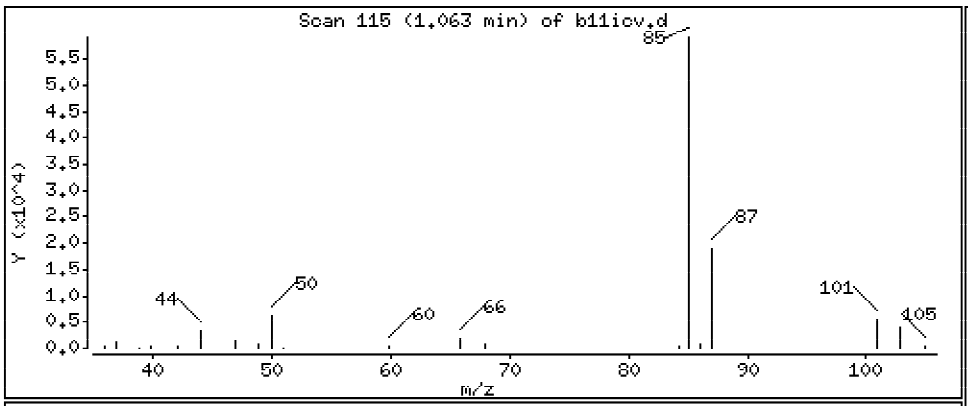
Client ID: 8260-ICV Instrument: 50mv4b.i

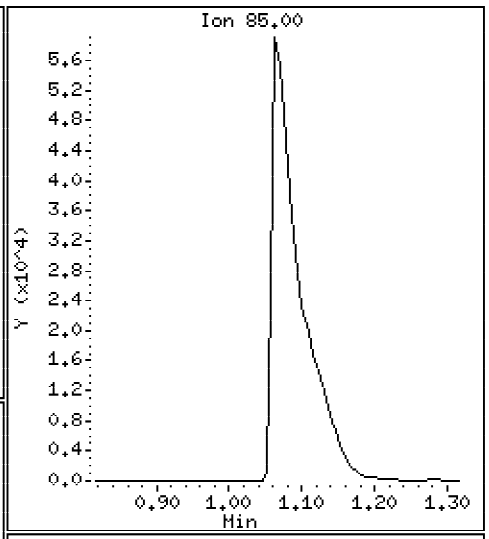
Sample Info: 8260-ICV,59989:0

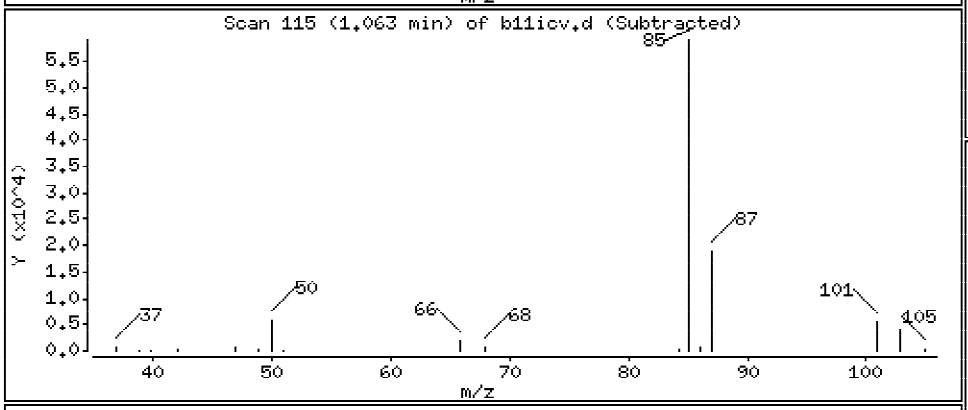
Purge Volume: 5.0 Operator: rsw

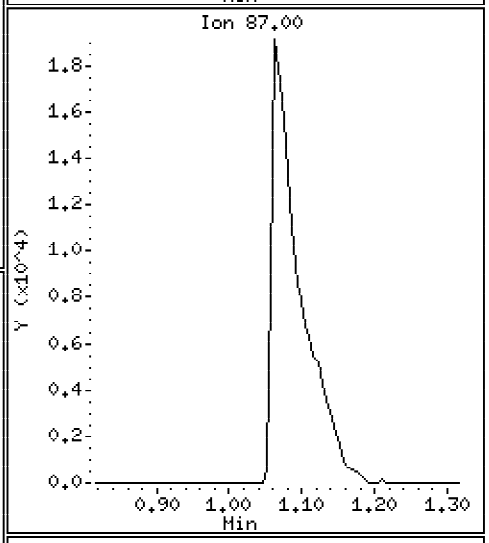
Column phase: DB-624 Column diameter: 0.18

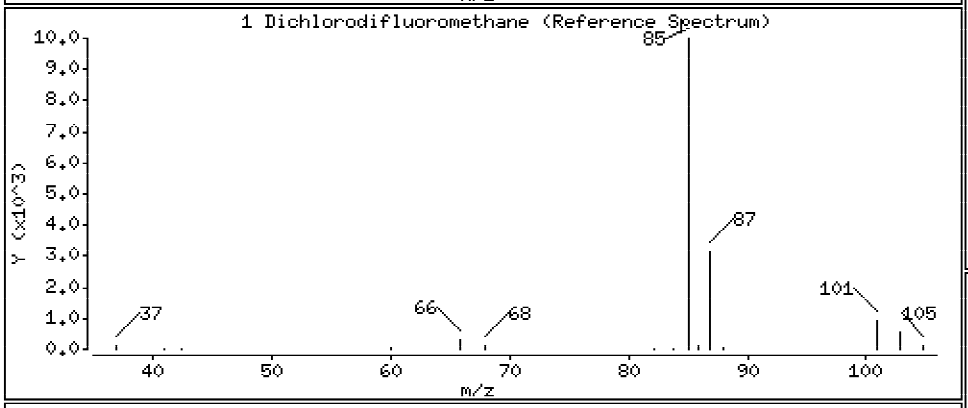
1 Dichlorodifluoromethane Concentration: 44.7 ppb

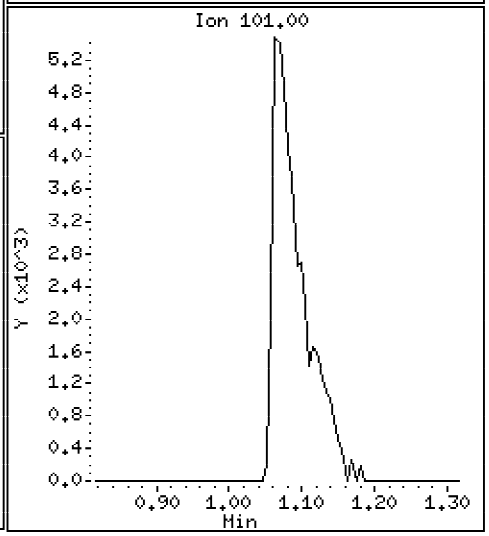


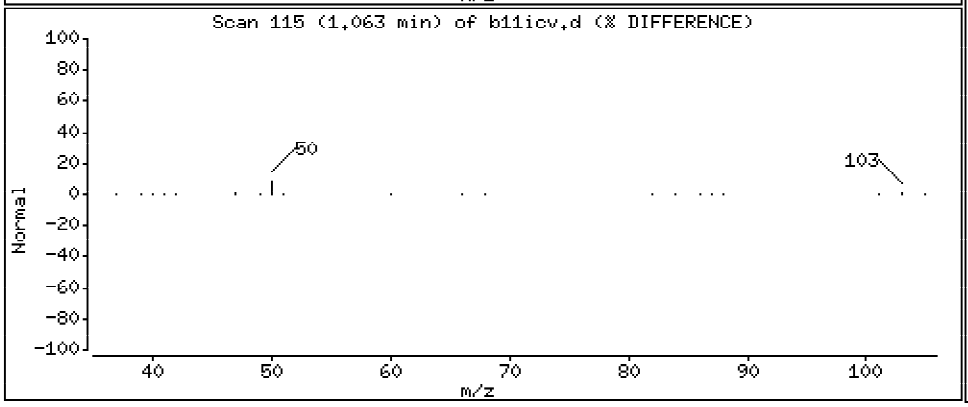












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 6

Date : 10-JAN-2014 21:40

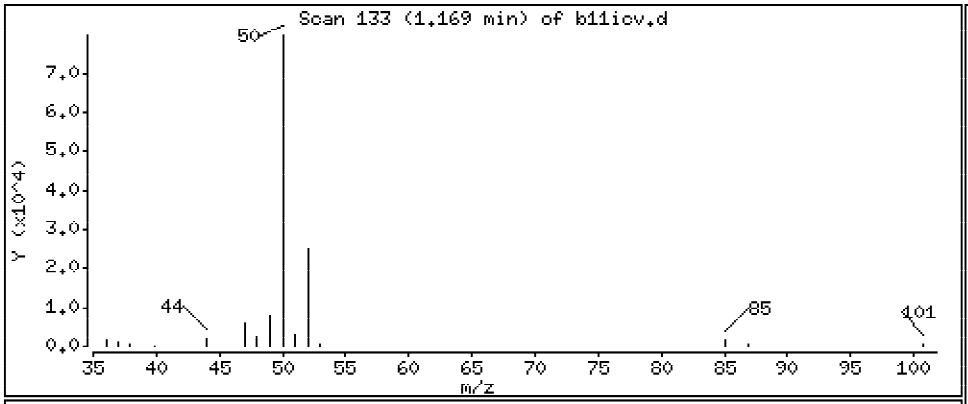
Client ID: 8260-ICV Instrument: 50mv4b.i

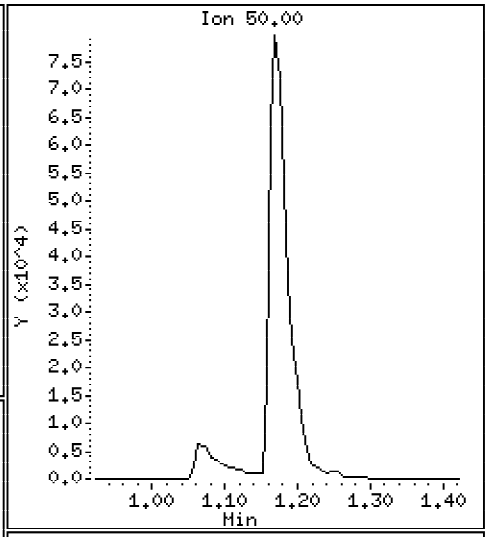
Sample Info: 8260-ICV,59989:0

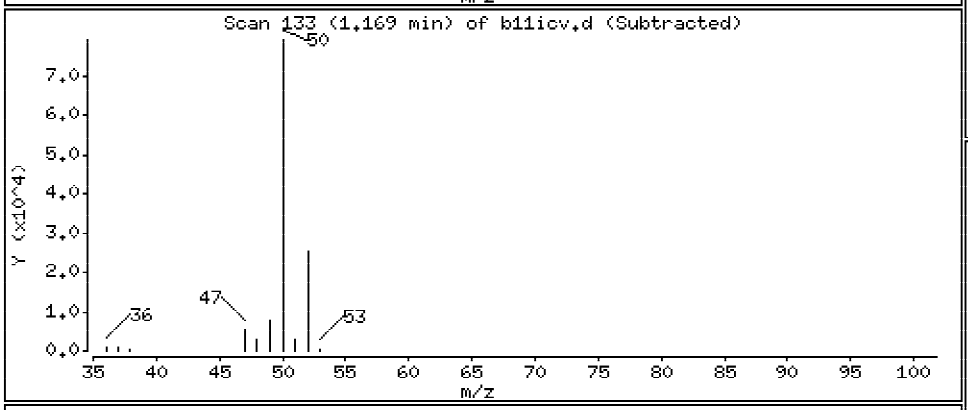
Purge Volume: 5.0 Operator: rsw

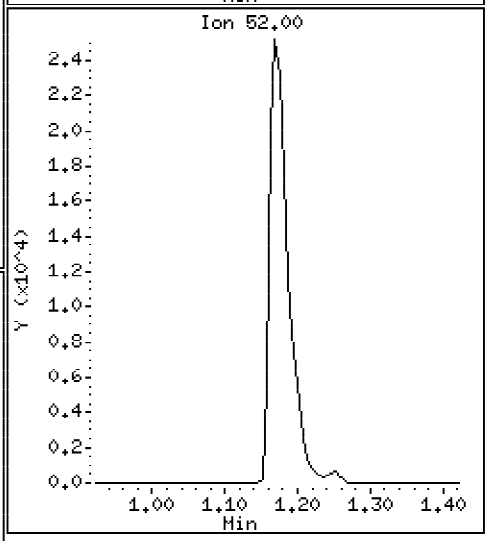
Column phase: DB-624 Column diameter: 0.18

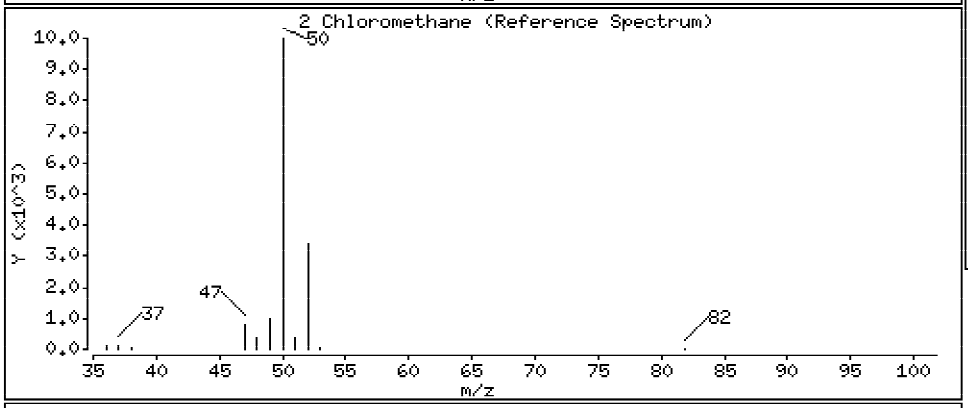
2 Chloromethane Concentration: 44.9 ppb

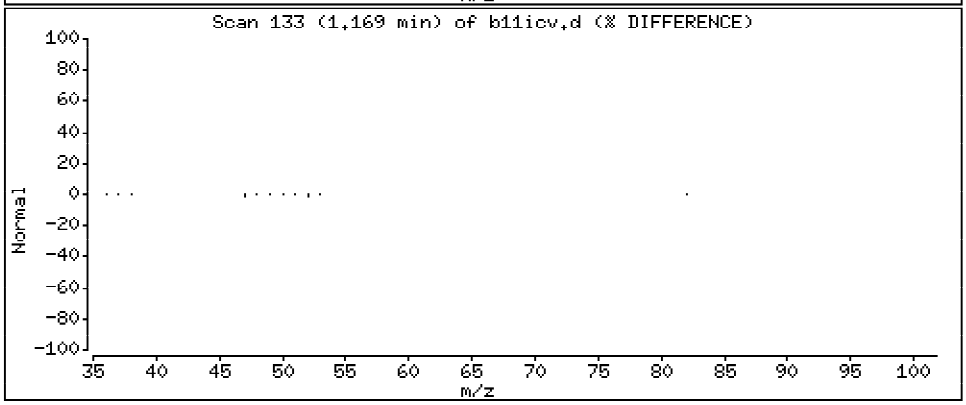












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 7

Date : 10-JAN-2014 21:40

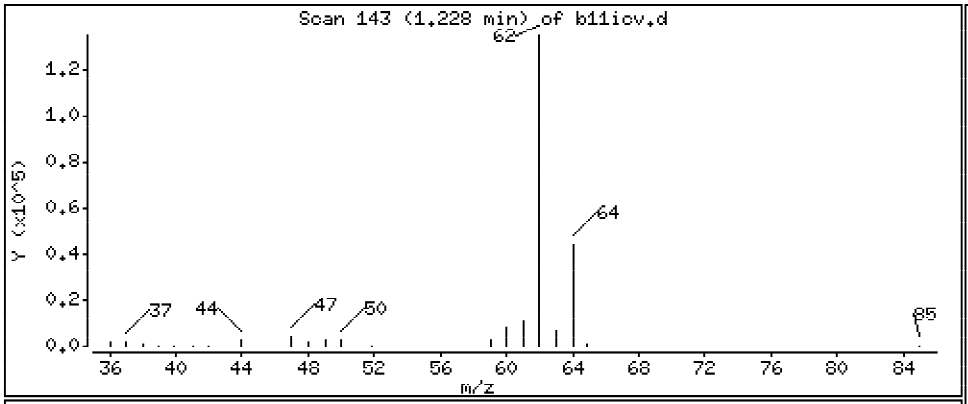
Client ID: 8260-ICV Instrument: 50mv4b.i

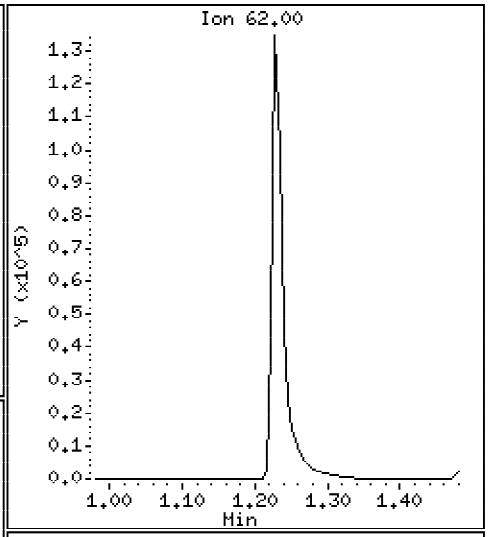
Sample Info: 8260-ICV,59989:0

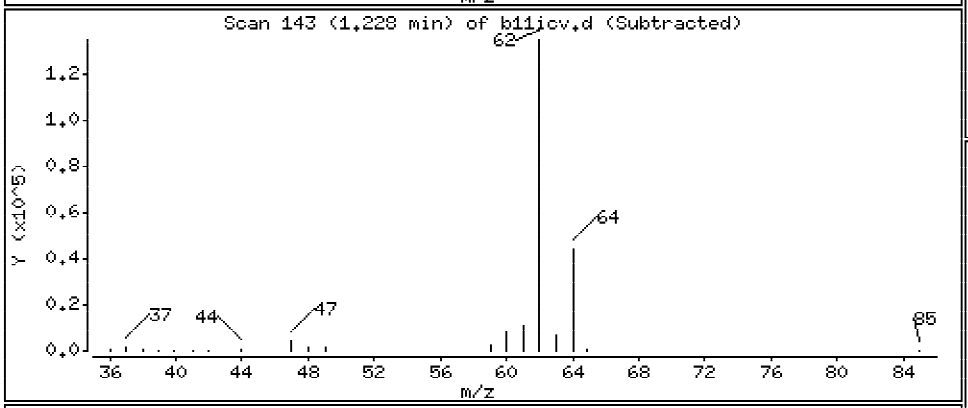
Purge Volume: 5.0 Operator: rsw

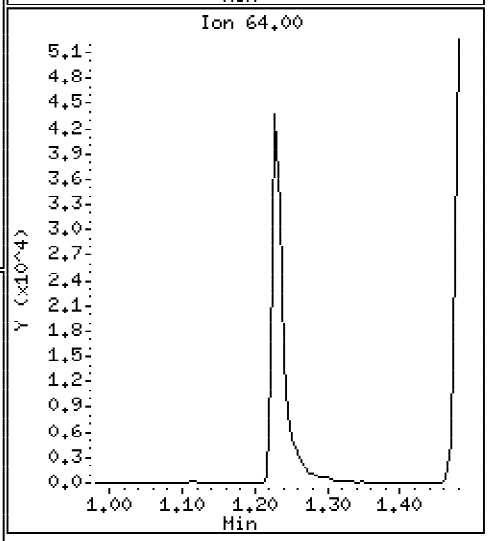
Column phase: DB-624 Column diameter: 0.18

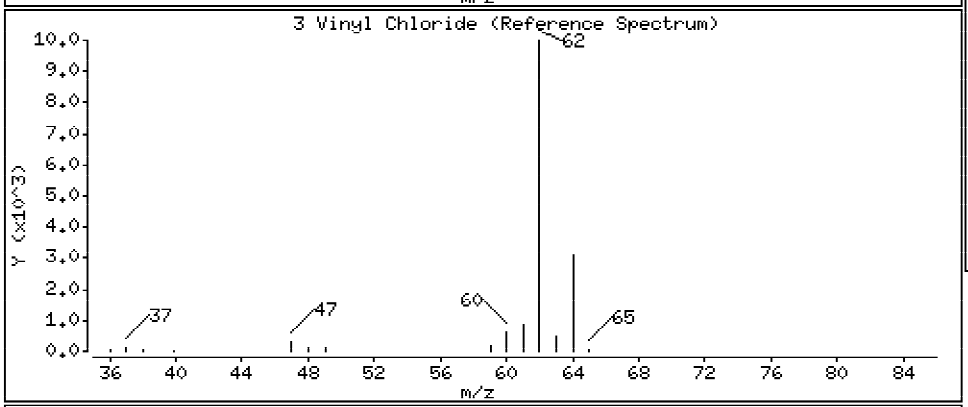
3 Vinyl Chloride Concentration: 46.0 ppb

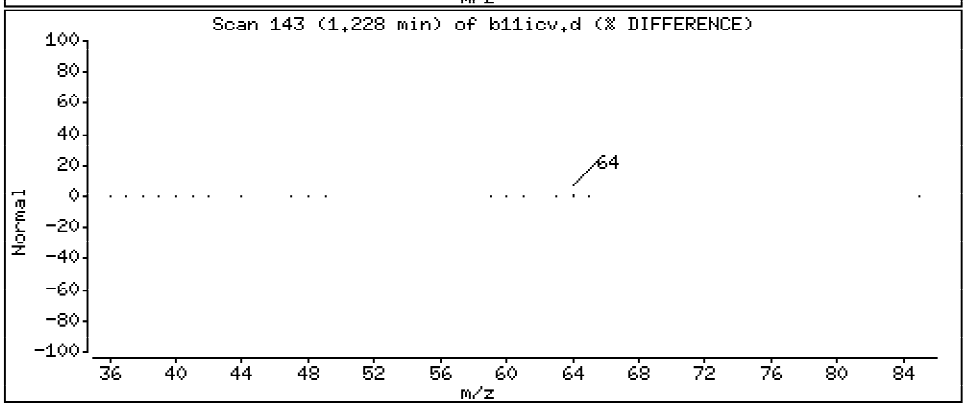












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 8

Date : 10-JAN-2014 21:40

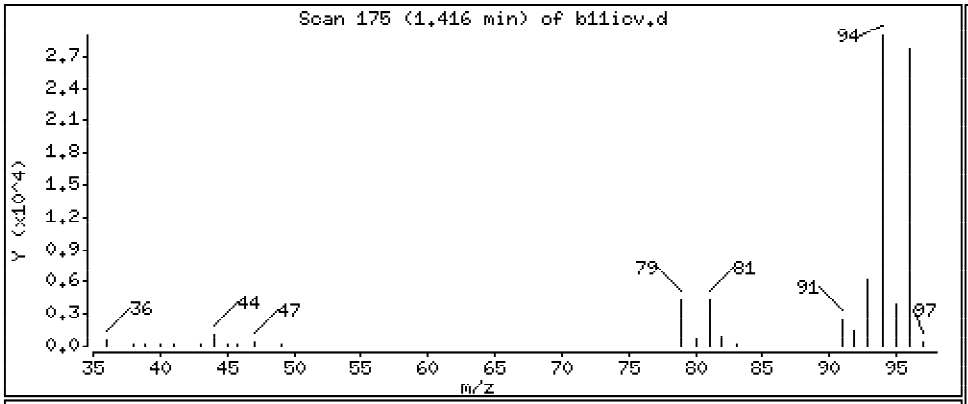
Client ID: 8260-ICV Instrument: 50mv4b.i

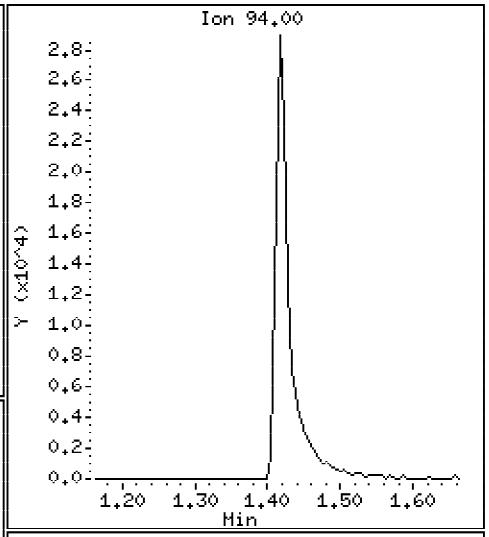
Sample Info: 8260-ICV,59989:0

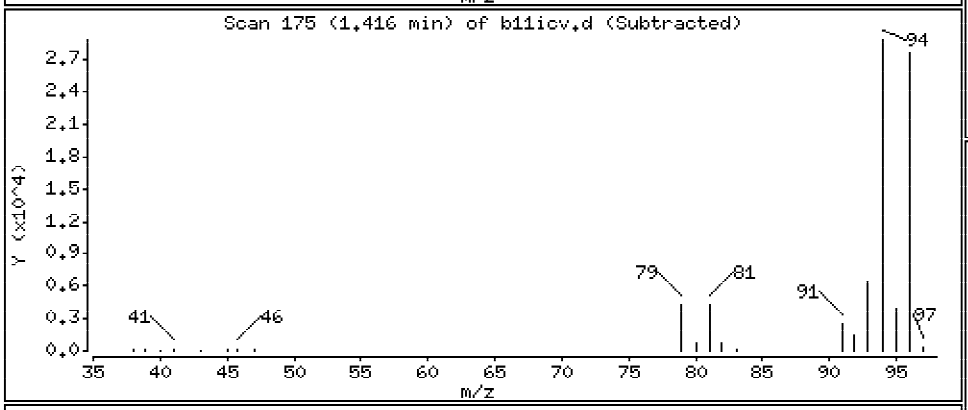
Purge Volume: 5.0 Operator: rsw

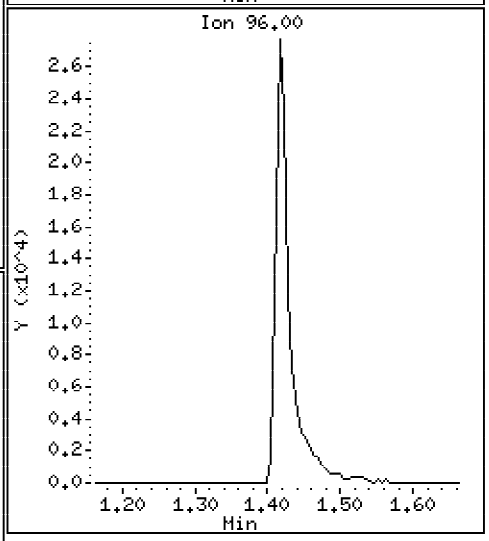
Column phase: DB-624 Column diameter: 0.18

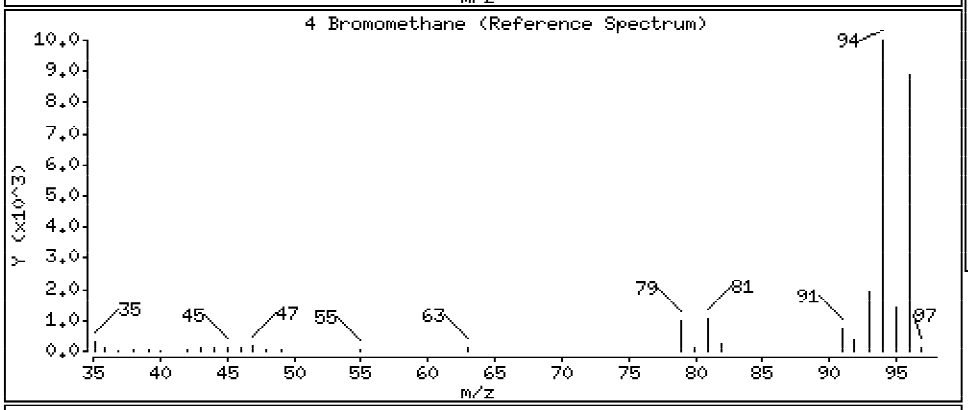
4 Bromomethane Concentration: 46.1 ppb

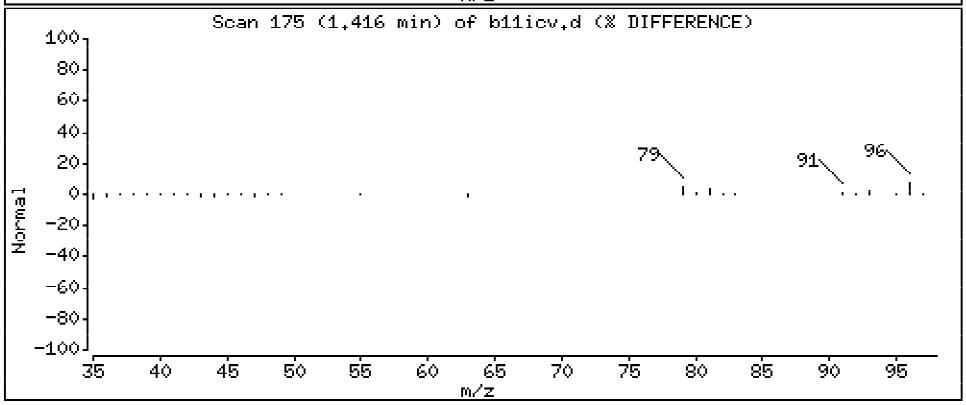












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 9

Date : 10-JAN-2014 21:40

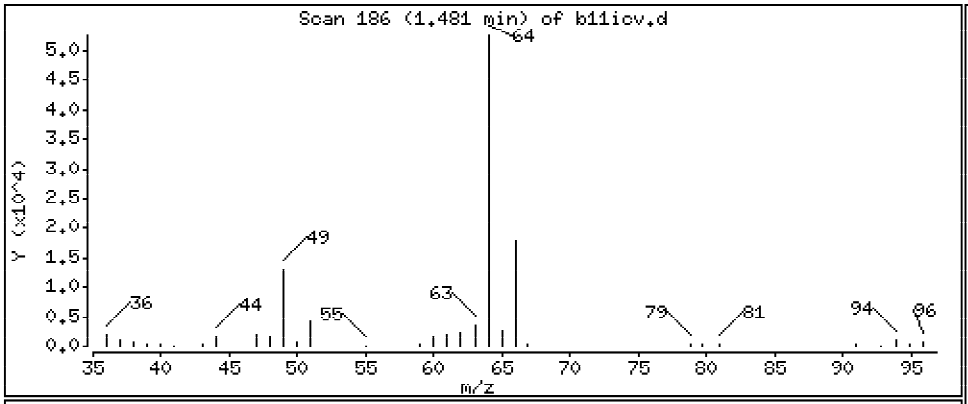
Client ID: 8260-ICV Instrument: 50mv4b.i

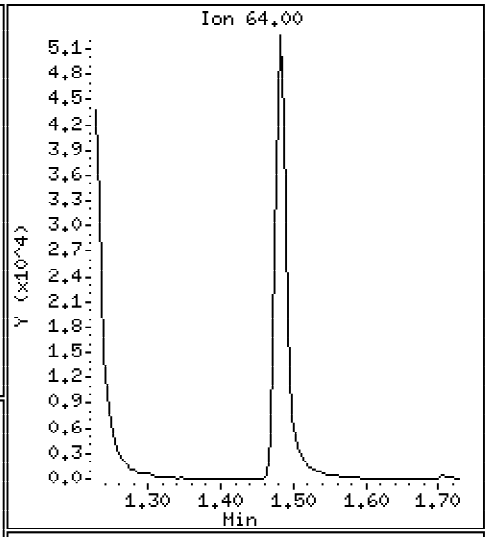
Sample Info: 8260-ICV,59989:0

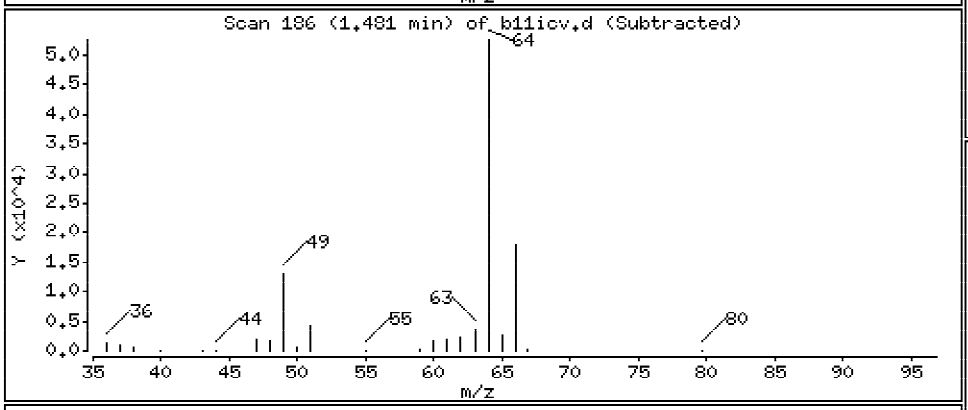
Purge Volume: 5.0 Operator: rsw

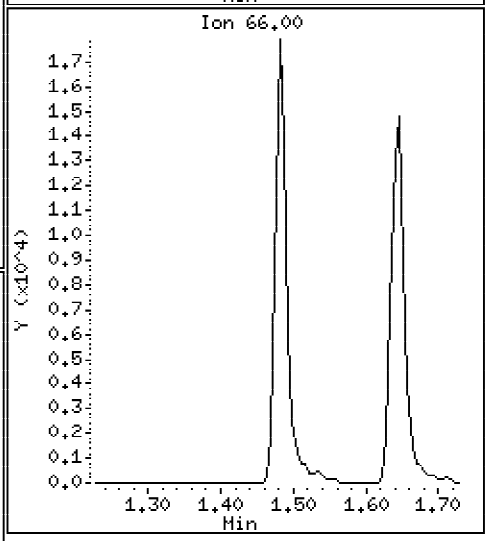
Column phase: DB-624 Column diameter: 0.18

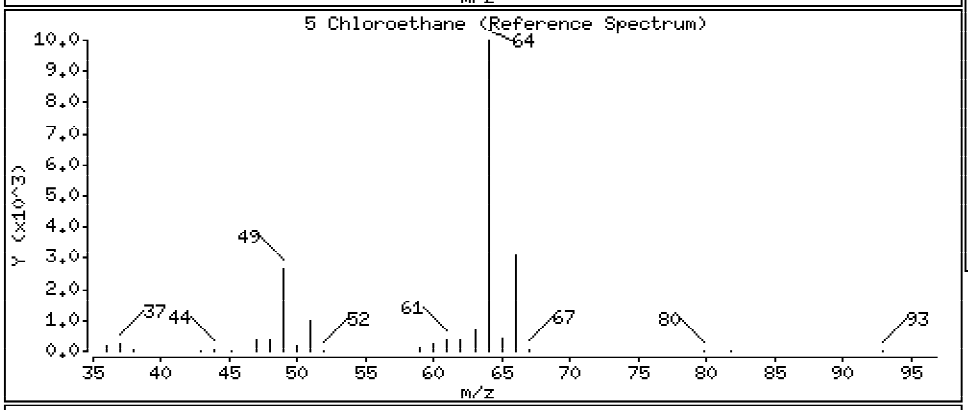
5 Chloroethane Concentration: 40.3 ppb

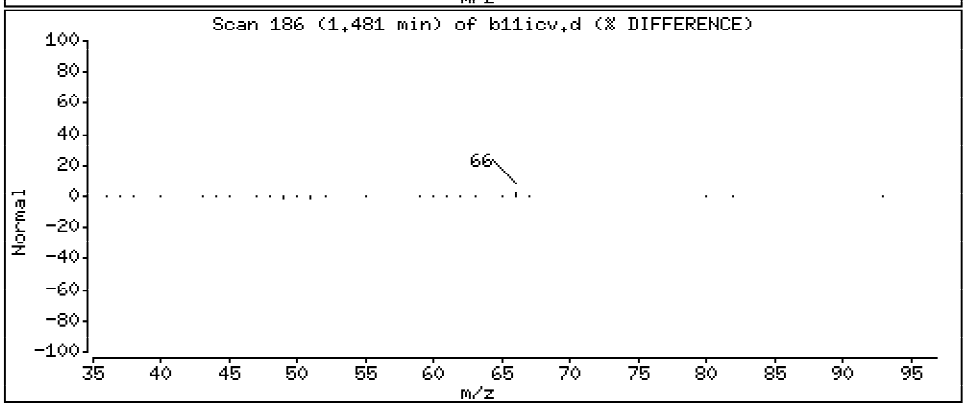












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 10

Date : 10-JAN-2014 21:40

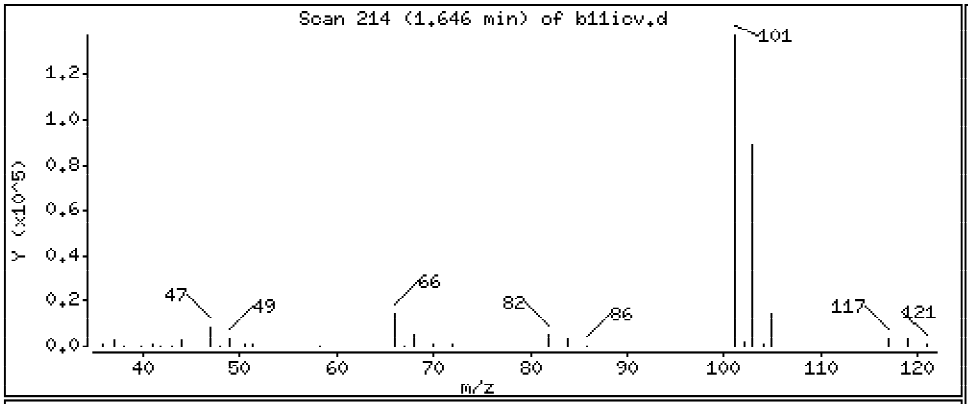
Client ID: 8260-ICV Instrument: 50mv4b.i

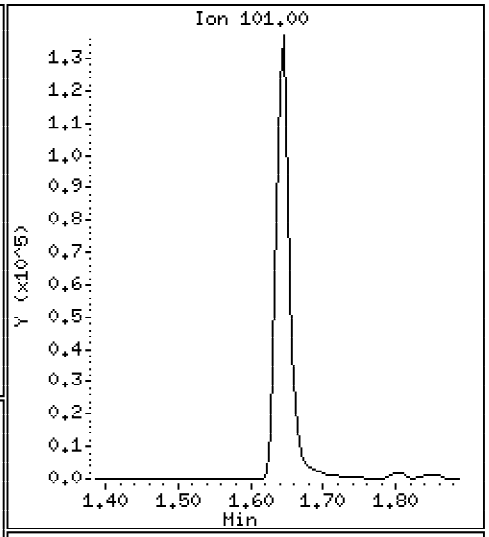
Sample Info: 8260-ICV,59989:0

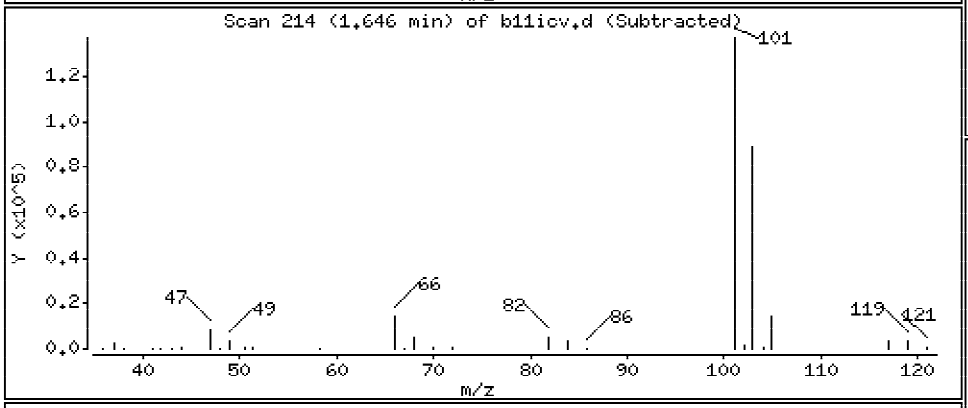
Purge Volume: 5.0 Operator: rsw

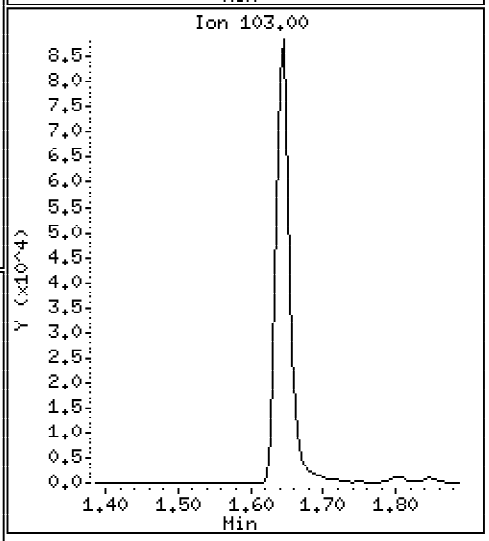
Column phase: DB-624 Column diameter: 0.18

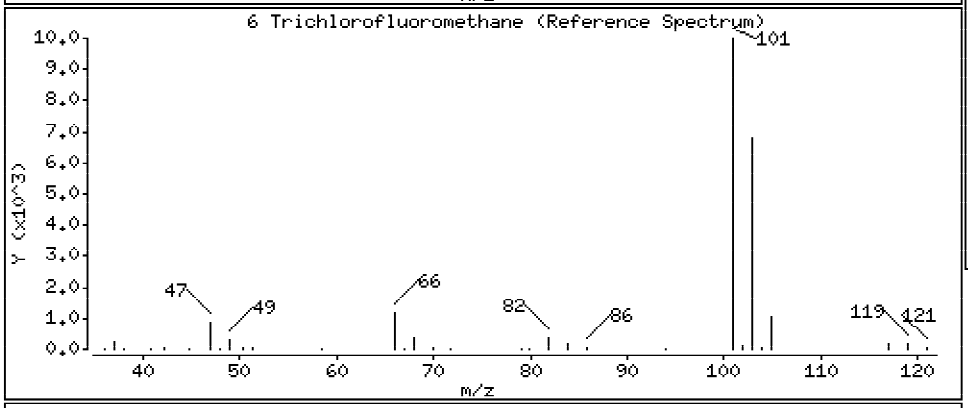
6 Trichlorofluoromethane Concentration: 46.1 ppb

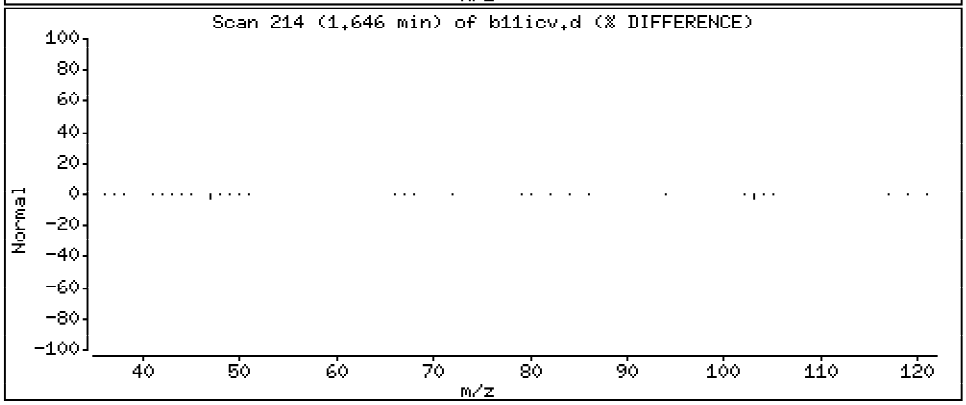












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 11

Date : 10-JAN-2014 21:40

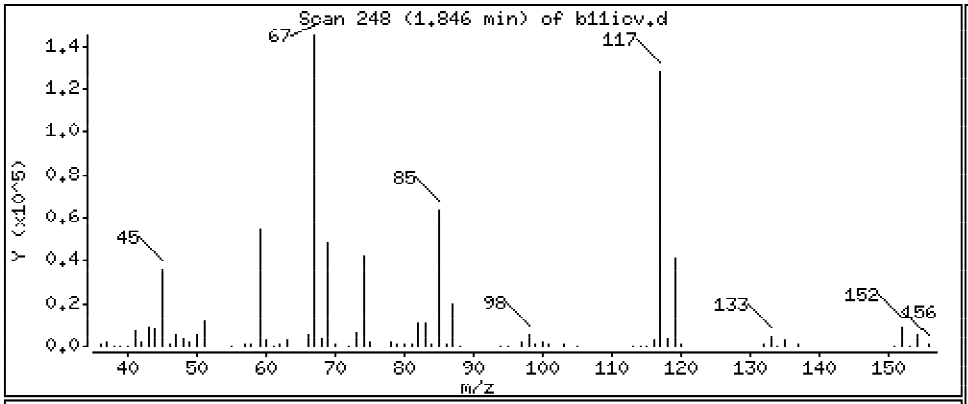
Client ID: 8260-ICV Instrument: 50mv4b.i

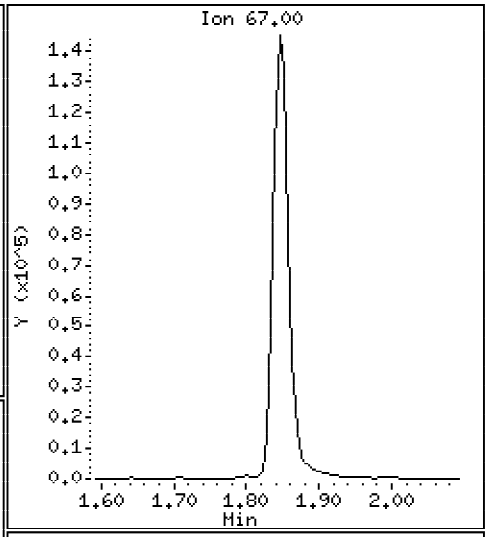
Sample Info: 8260-ICV,59989:0

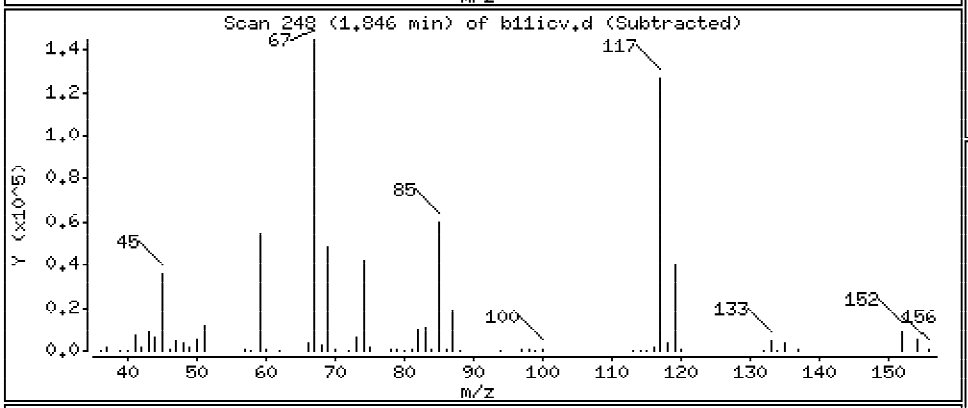
Purge Volume: 5.0 Operator: rsw

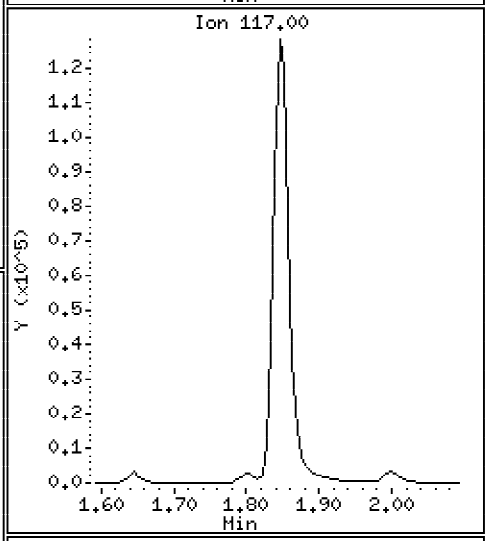
Column phase: DB-624 Column diameter: 0.18

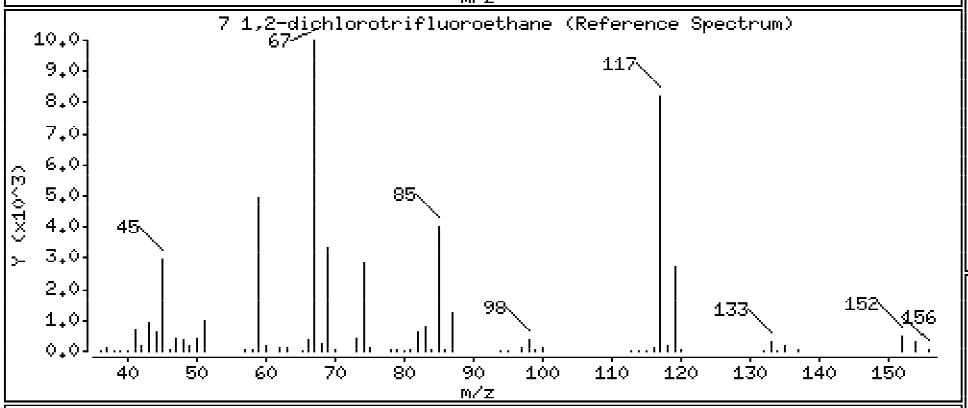
7 1,2-dichlorotrifluoroethane Concentration: 90.8 ppb

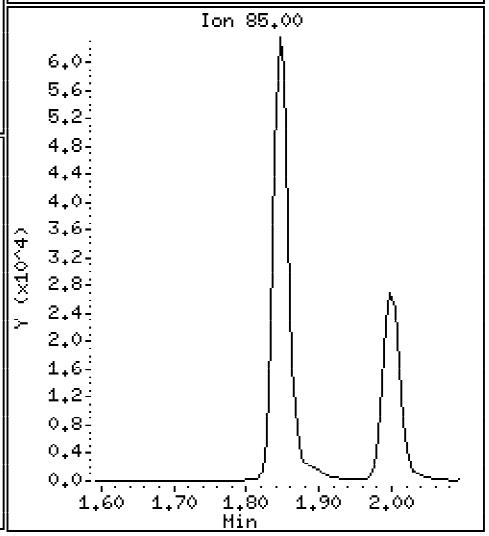


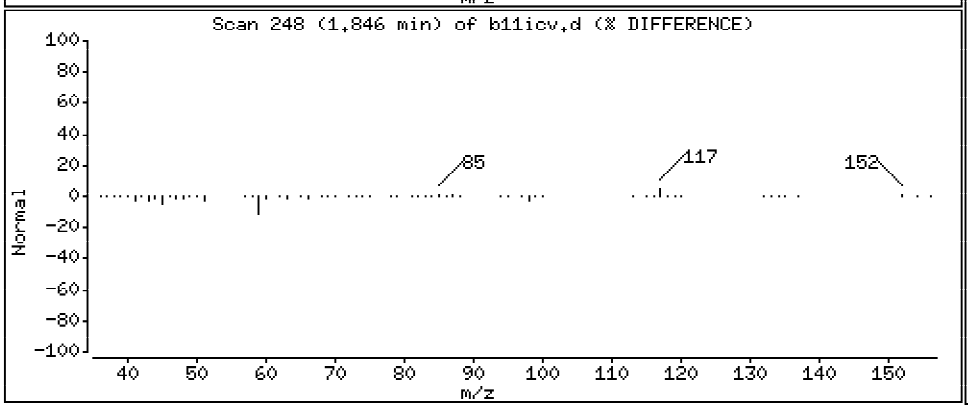












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 12

Date : 10-JAN-2014 21:40

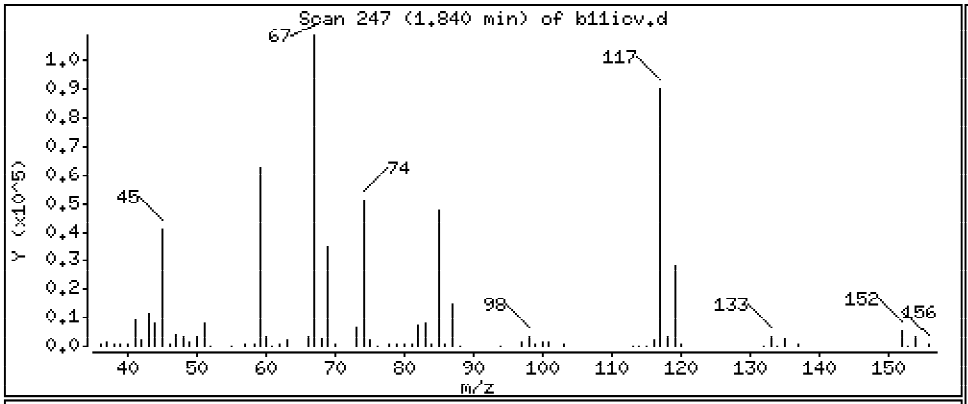
Client ID: 8260-ICV Instrument: 50mv4b.i

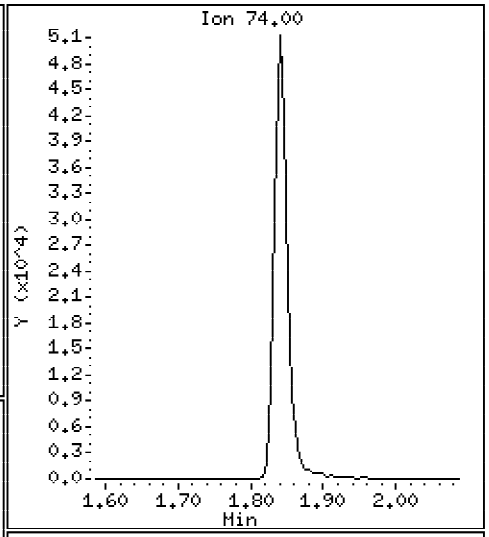
Sample Info: 8260-ICV,59989:0

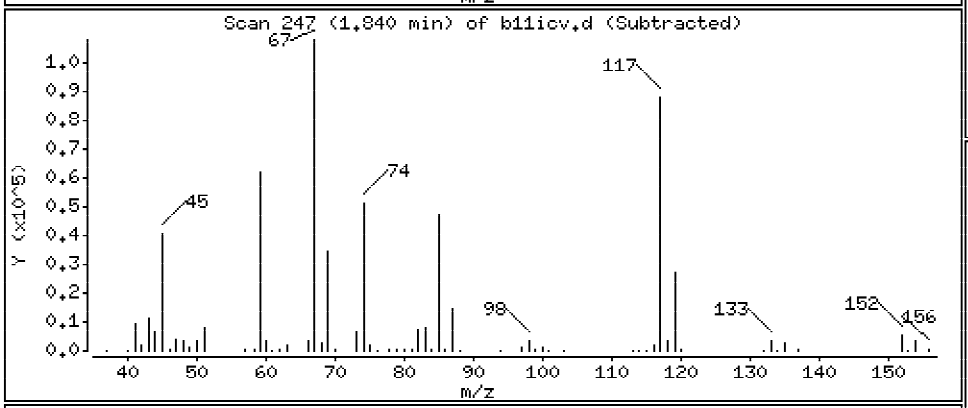
Purge Volume: 5.0 Operator: rsw

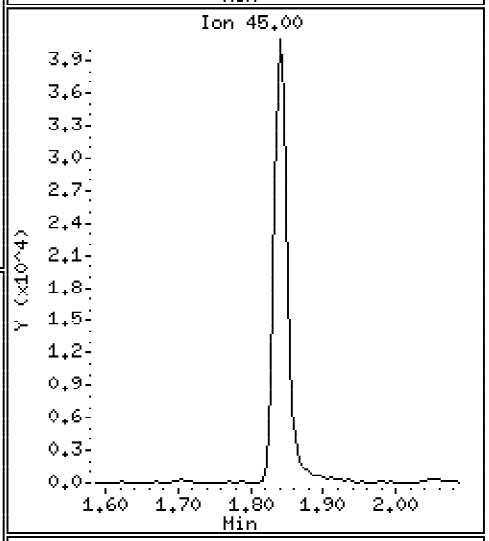
Column phase: DB-624 Column diameter: 0.18

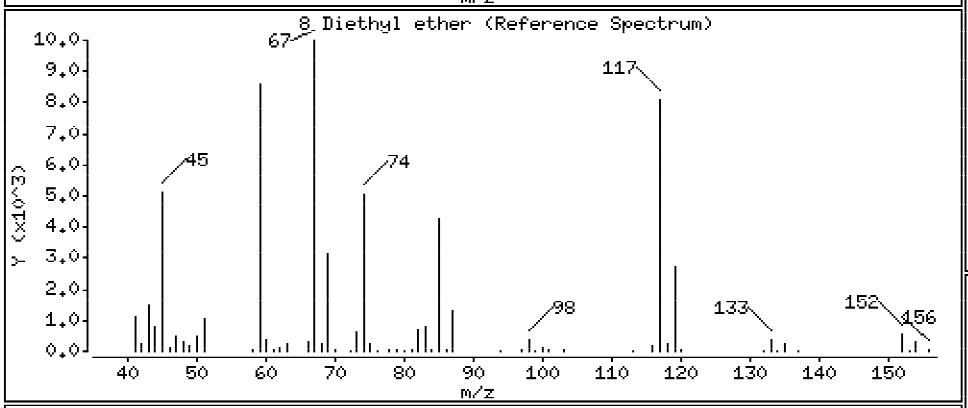
8 Diethyl ether Concentration: 49.6 ppb

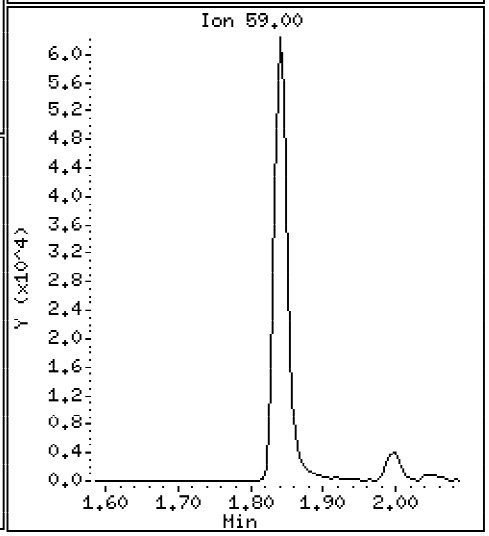


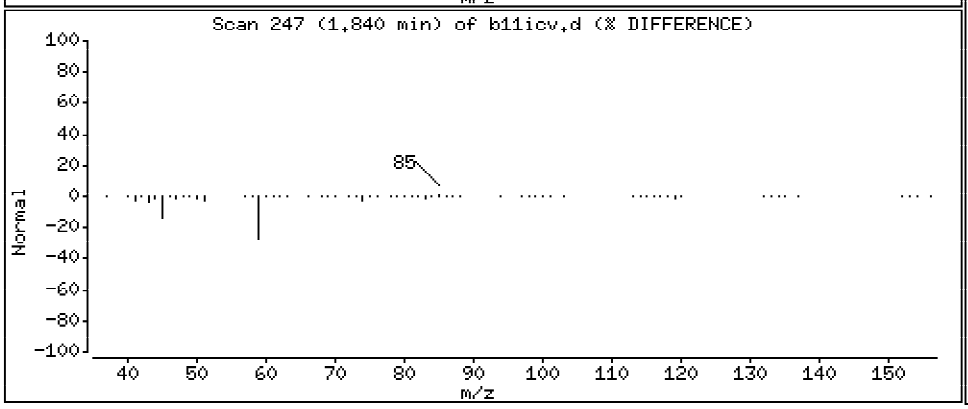












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d

Date : 10-JAN-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,59989:0

Purge Volume: 5.0

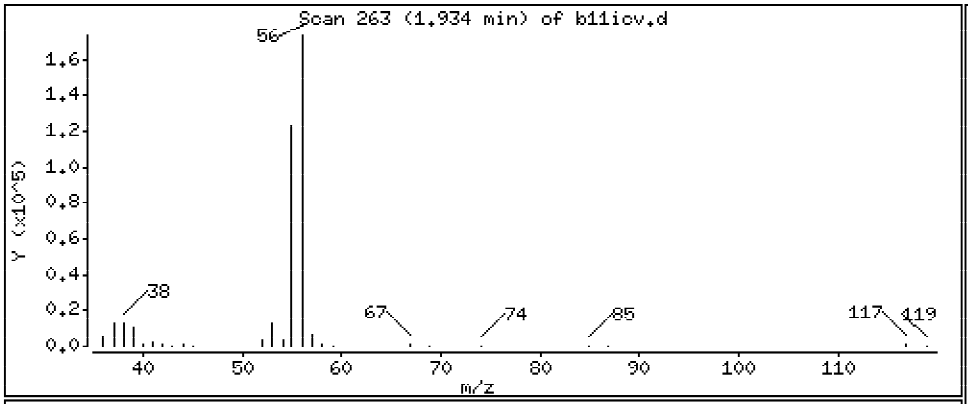
Operator: rsw

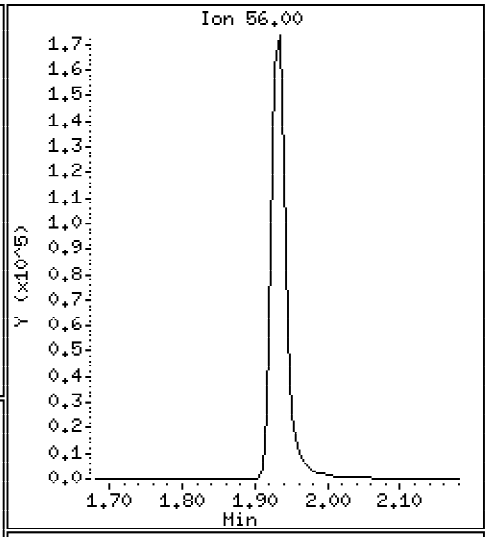
Column phase: DB-624

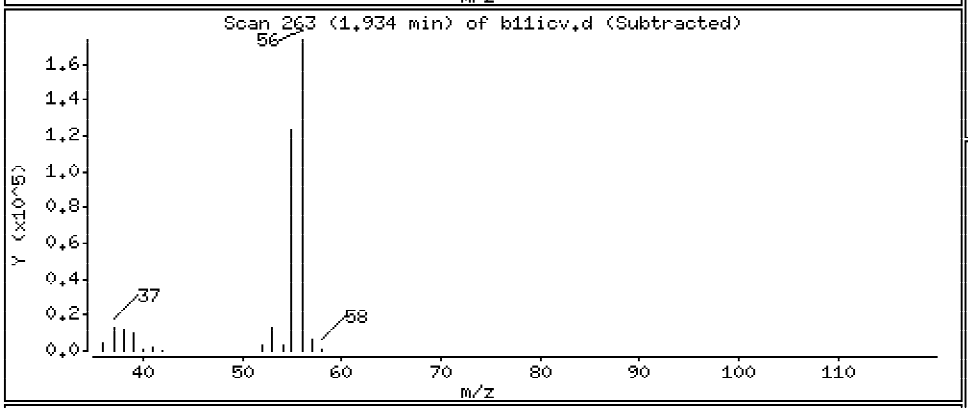
Column diameter: 0.18

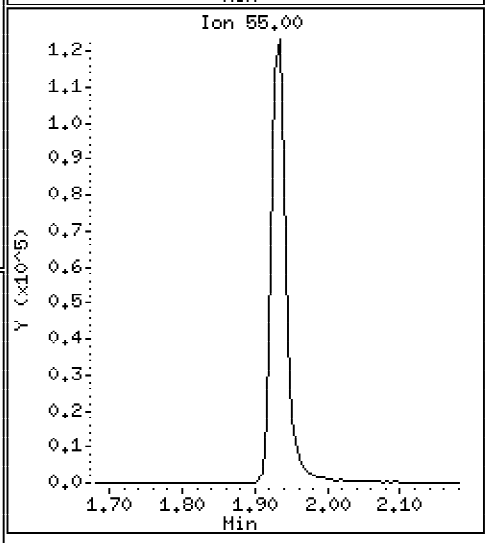
9 Acrolein

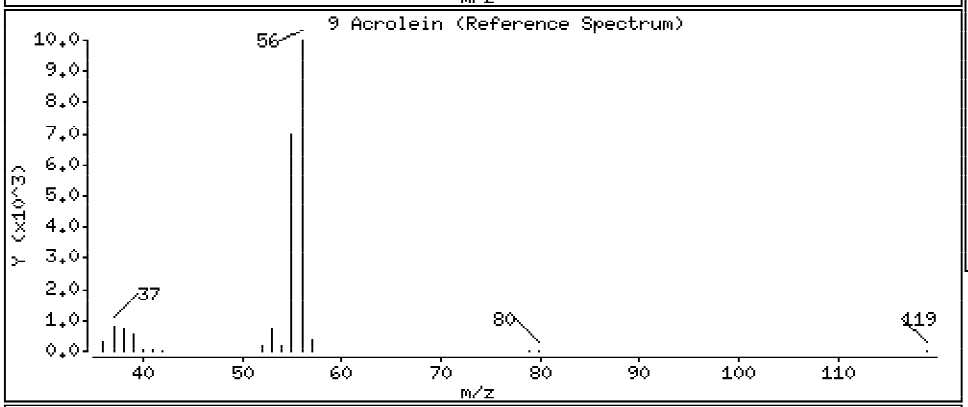
Concentration: 837 ppb

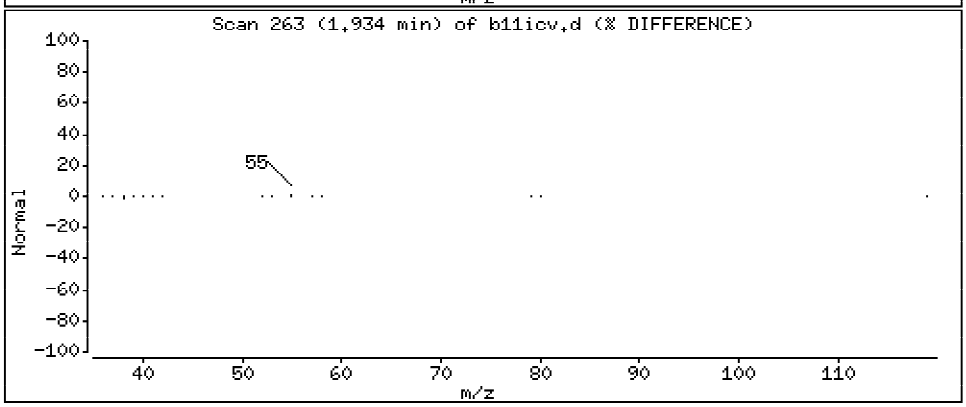












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 14

Date : 10-JAN-2014 21:40

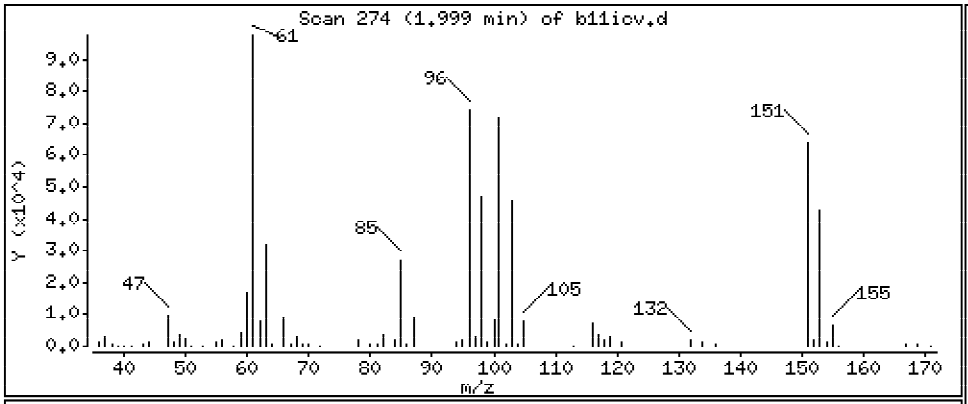
Client ID: 8260-ICV Instrument: 50mv4b.i

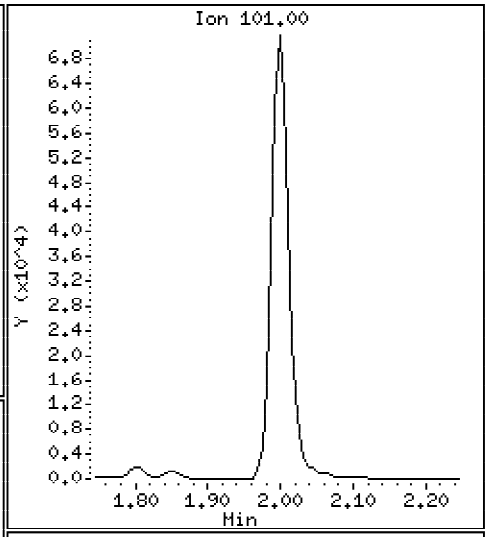
Sample Info: 8260-ICV,59989:0

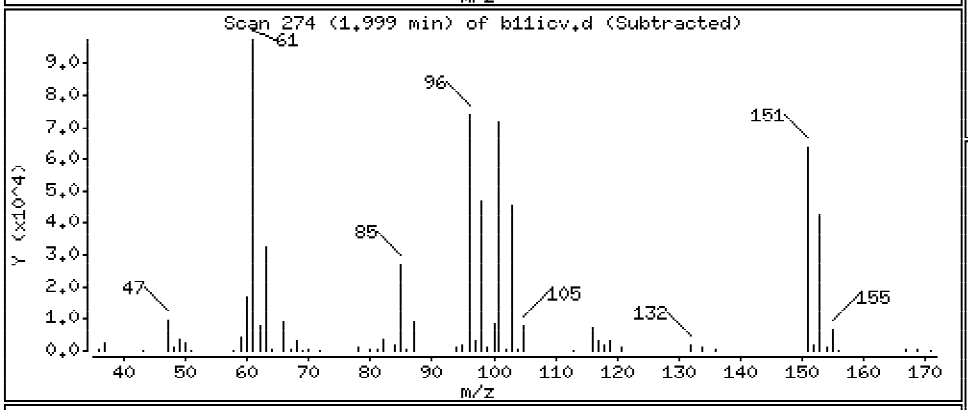
Purge Volume: 5.0 Operator: rsw

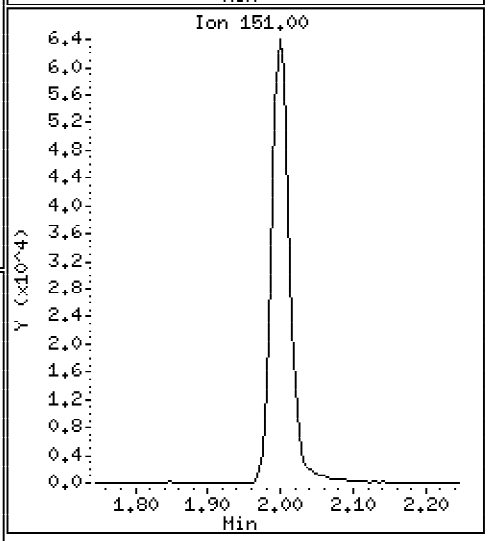
Column phase: DB-624 Column diameter: 0.18

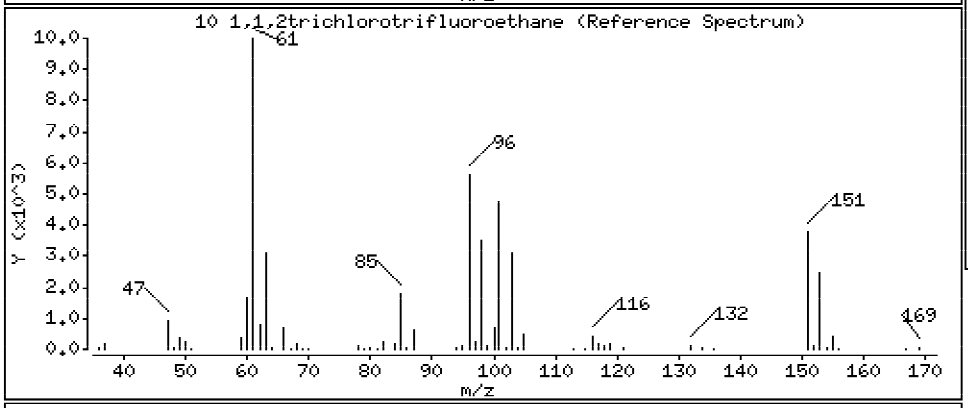
10 1,1,2trichlorotrifluoroethane Concentration: 52.7 ppb

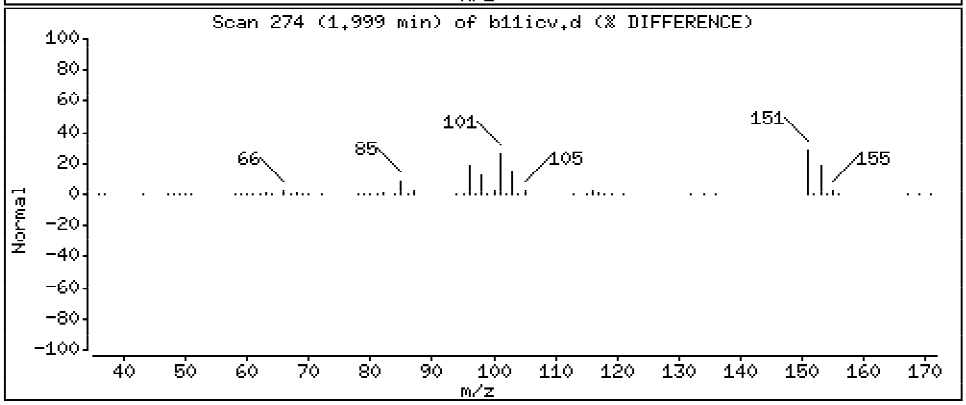












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 15

Date : 10-JAN-2014 21:40

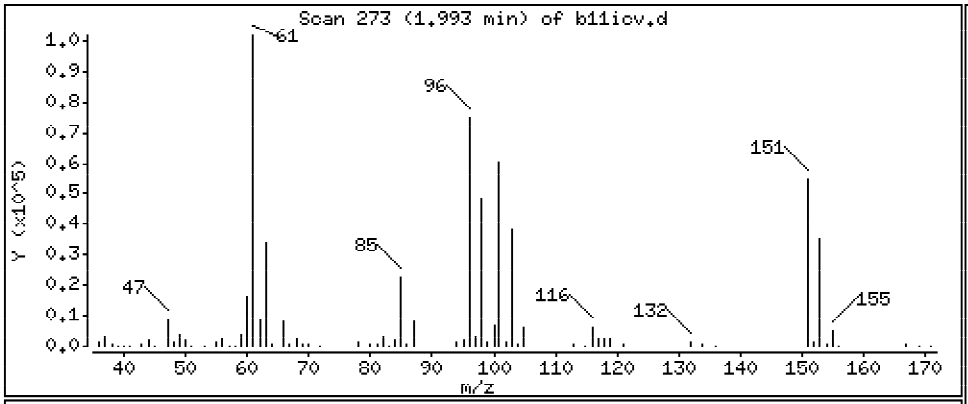
Client ID: 8260-ICV Instrument: 50mv4b.i

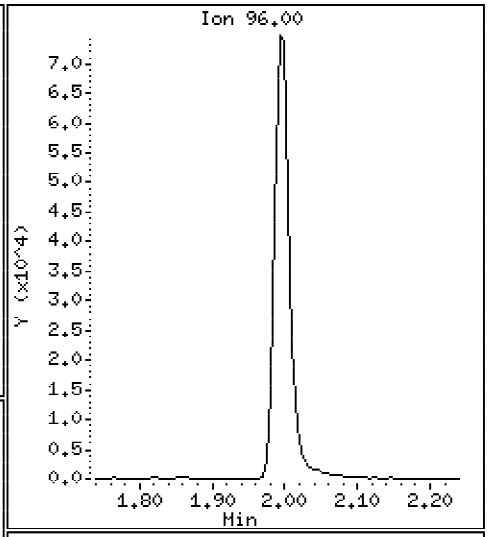
Sample Info: 8260-ICV,59989:0

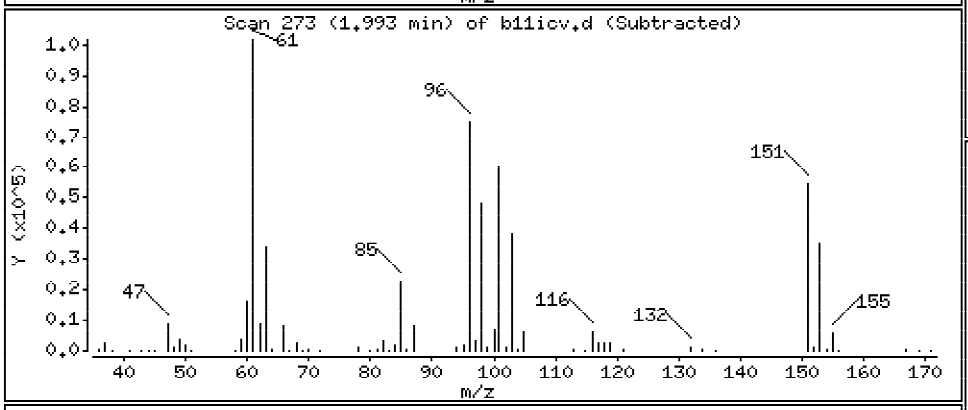
Purge Volume: 5.0 Operator: rsw

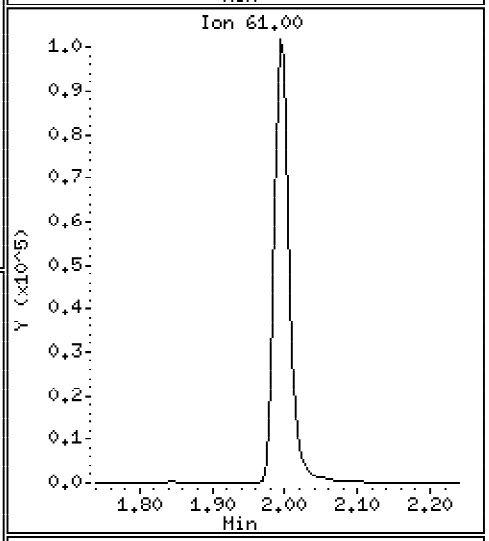
Column phase: DB-624 Column diameter: 0.18

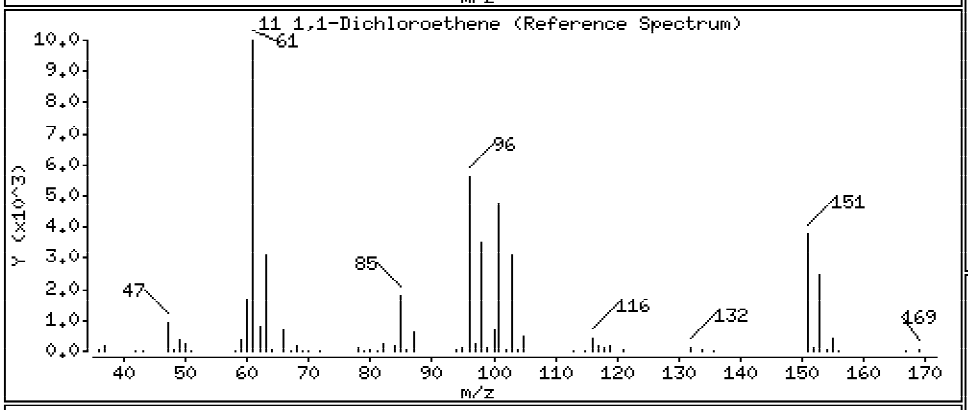
11 1,1-Dichloroethene Concentration: 46.4 ppb

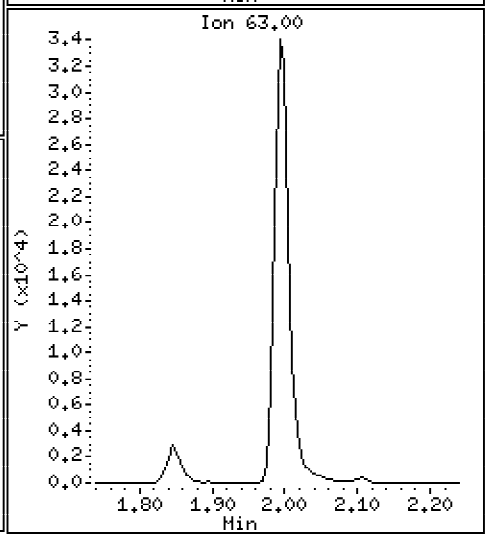


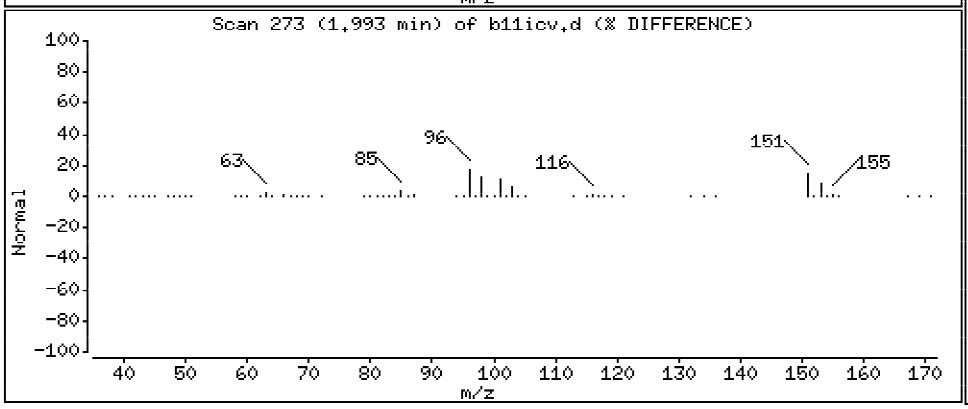












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 16

Date : 10-JAN-2014 21:40

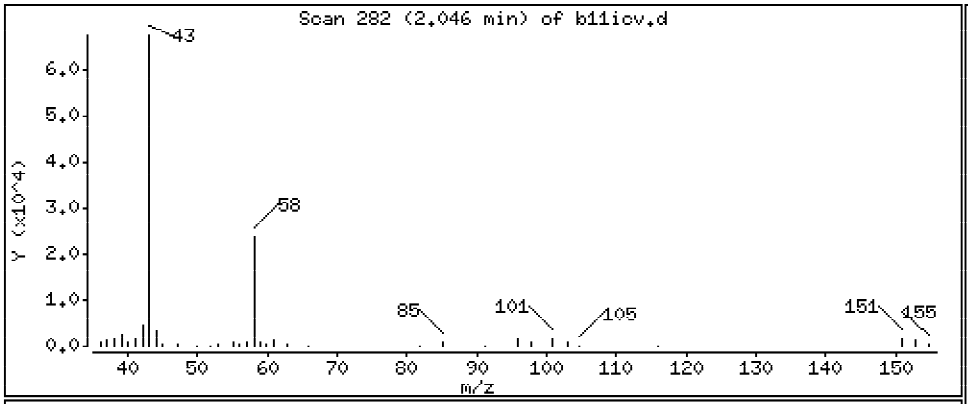
Client ID: 8260-ICV Instrument: 50mv4b.i

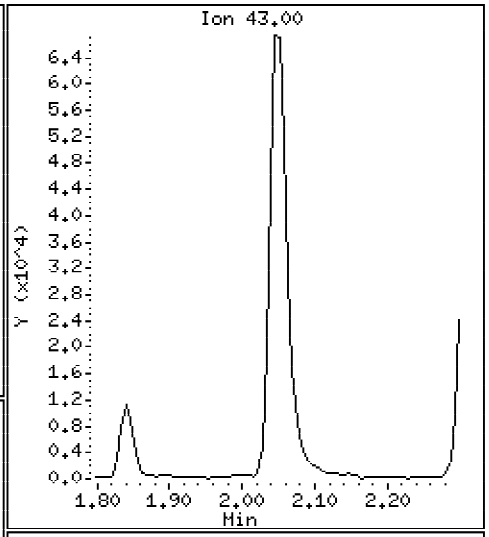
Sample Info: 8260-ICV,59989:0

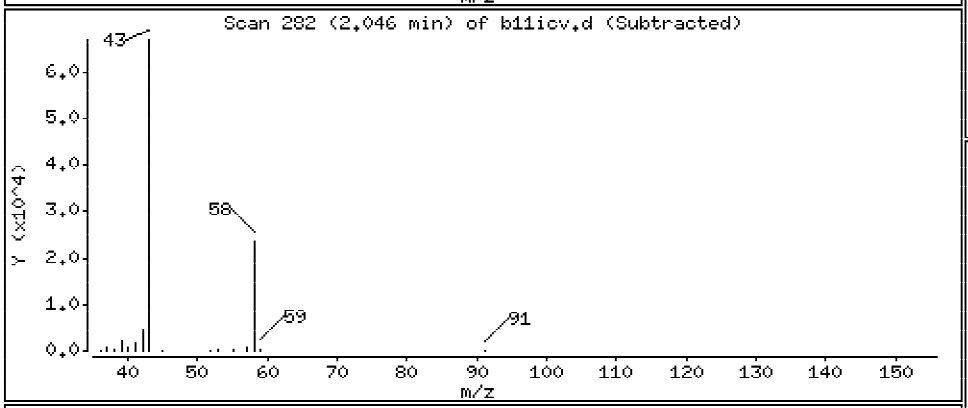
Purge Volume: 5.0 Operator: rsw

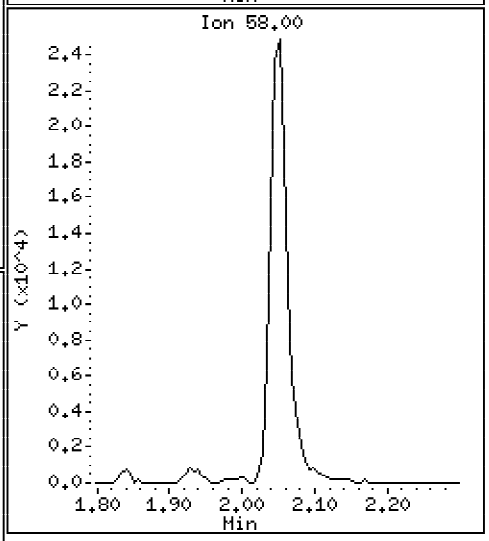
Column phase: DB-624 Column diameter: 0.18

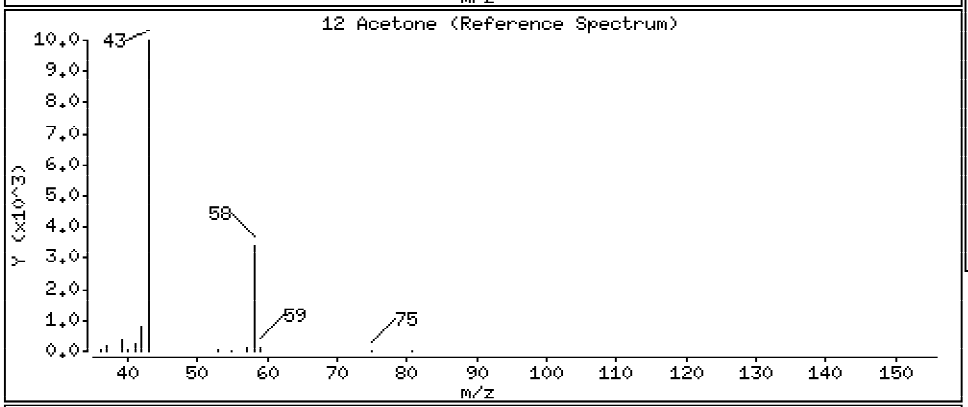
12 Acetone Concentration: 247 ppb

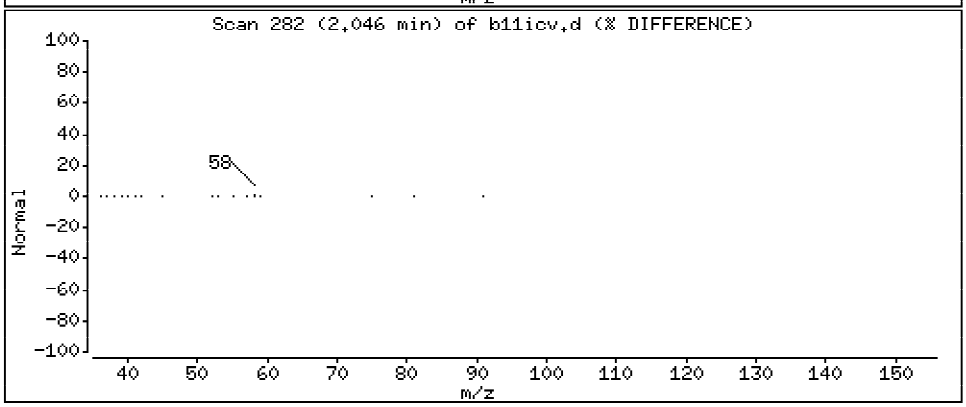












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 17

Date : 10-JAN-2014 21:40

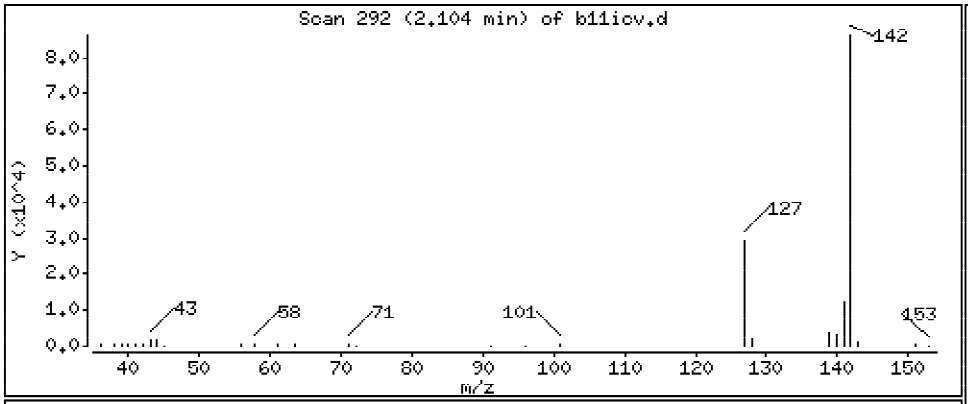
Client ID: 8260-ICV Instrument: 50mv4b.i

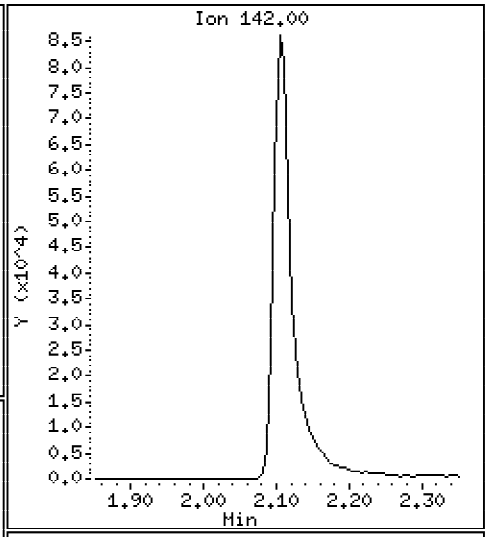
Sample Info: 8260-ICV,59989:0

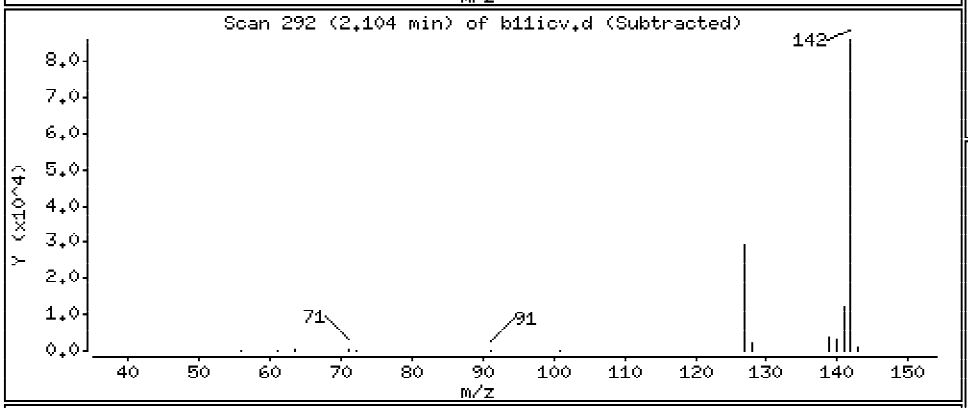
Purge Volume: 5.0 Operator: rsw

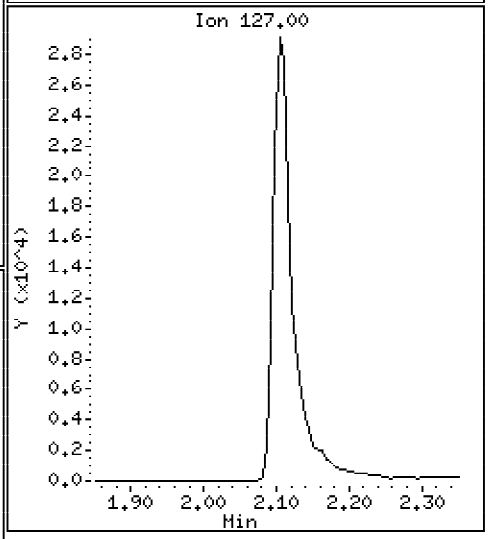
Column phase: DB-624 Column diameter: 0.18

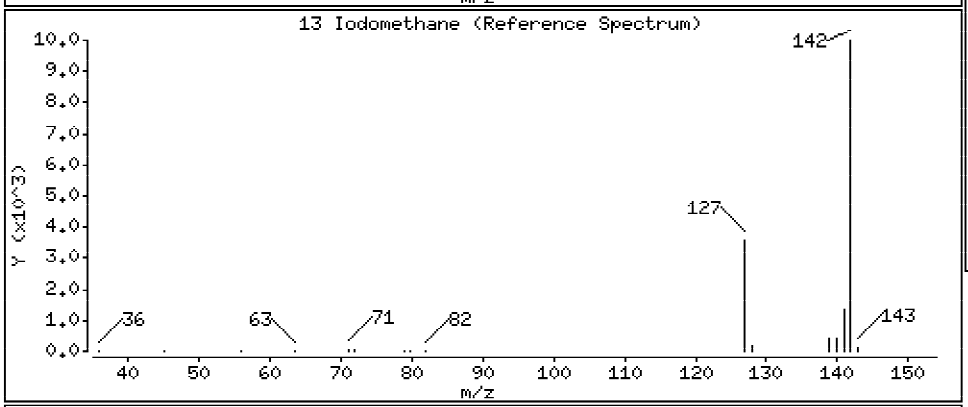
13 Iodomethane Concentration: 73.4 ppb

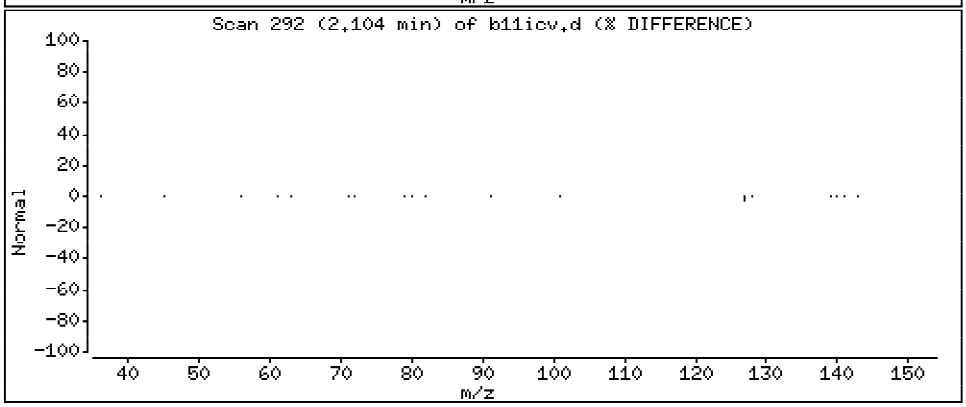












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 18

Date : 10-JAN-2014 21:40

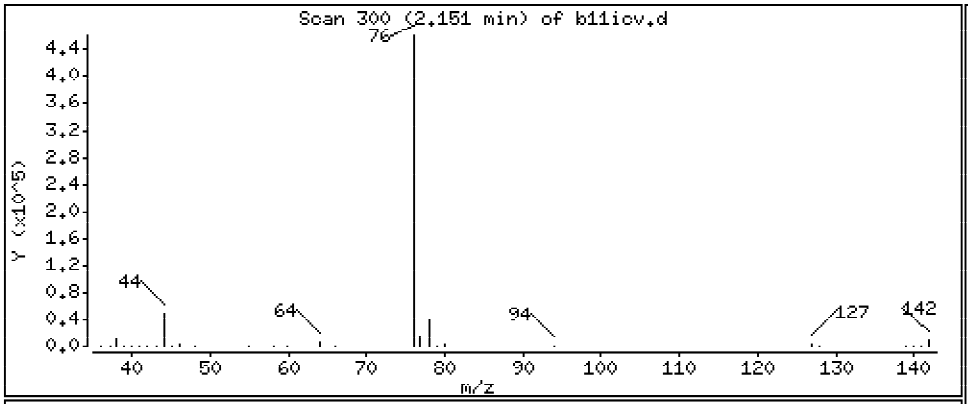
Client ID: 8260-ICV Instrument: 50mv4b.i

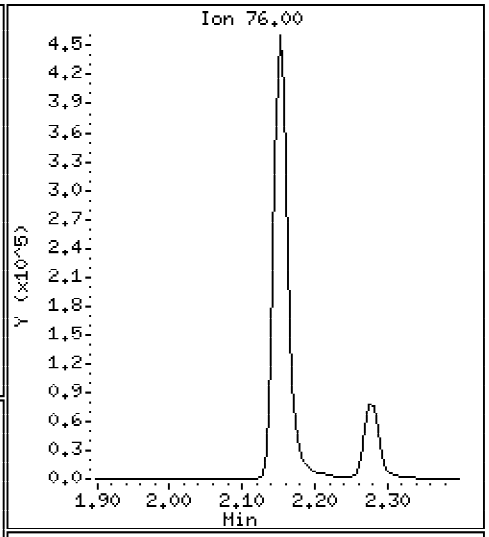
Sample Info: 8260-ICV,59989:0

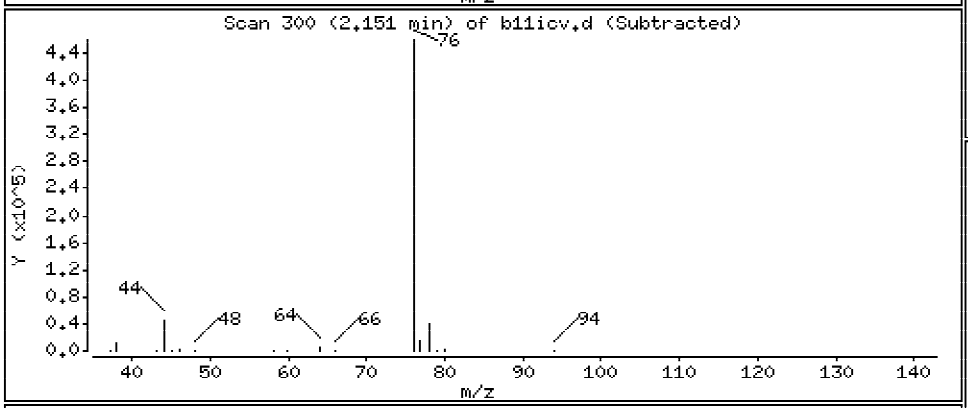
Purge Volume: 5.0 Operator: rsw

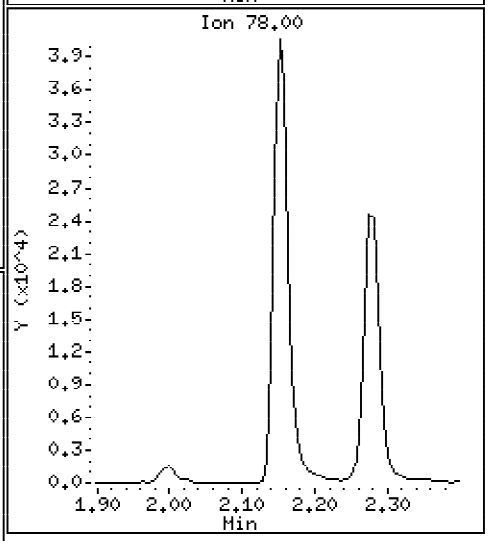
Column phase: DB-624 Column diameter: 0.18

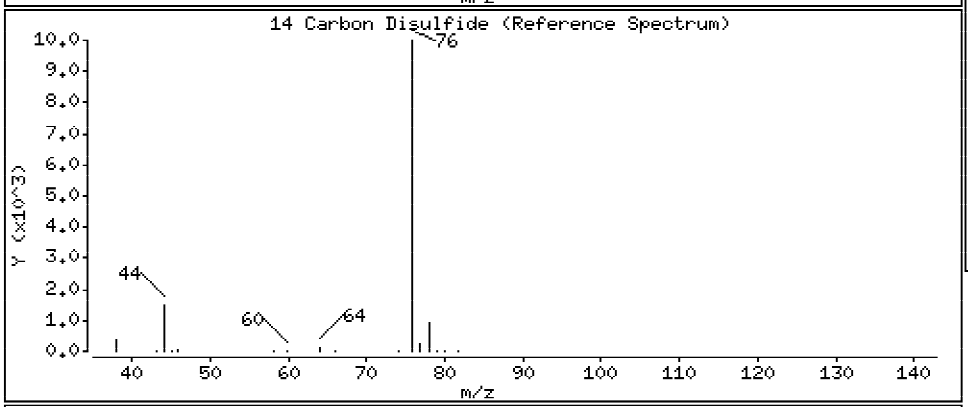
14 Carbon Disulfide Concentration: 105 ppb

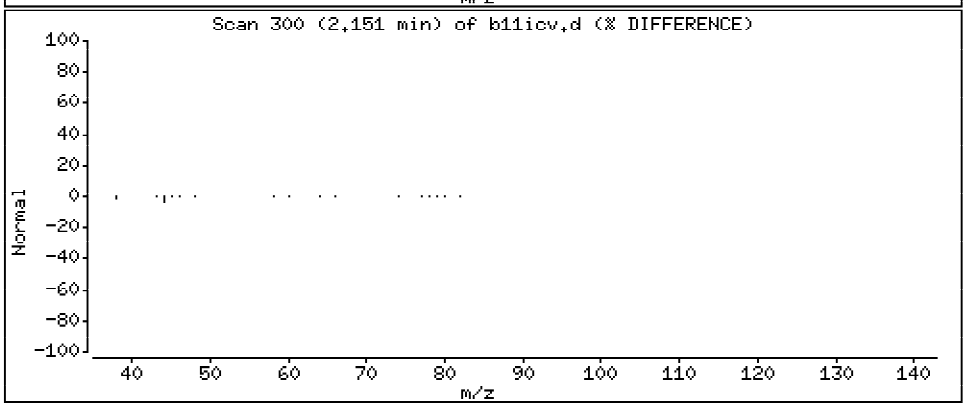












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 19

Date : 10-JAN-2014 21:40

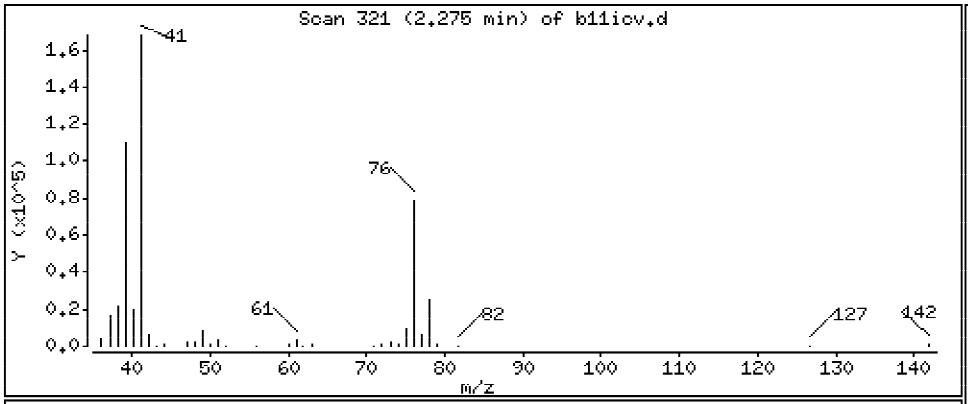
Client ID: 8260-ICV Instrument: 50mv4b.i

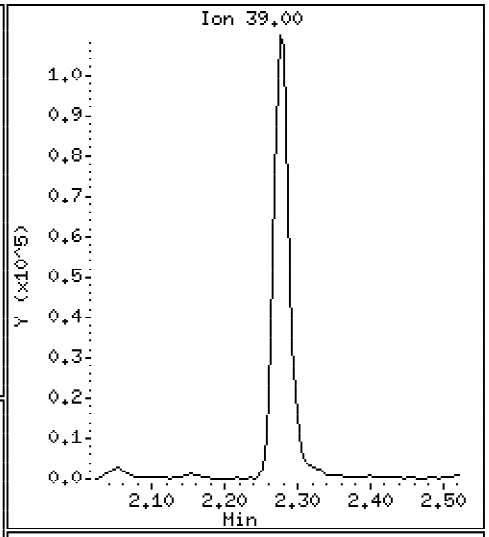
Sample Info: 8260-ICV,59989:0

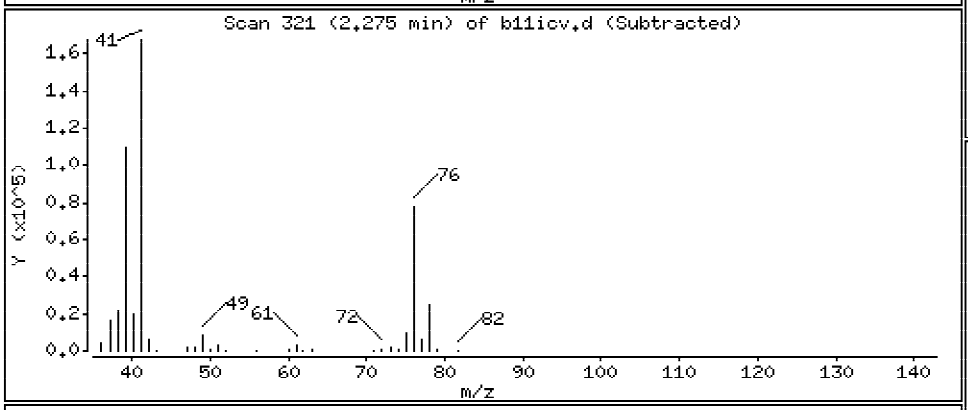
Purge Volume: 5.0 Operator: rsw

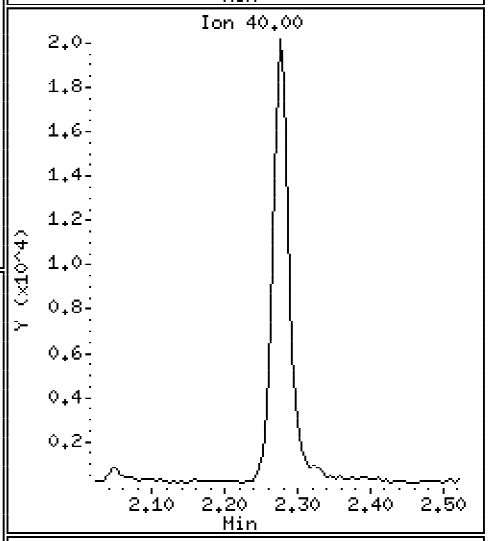
Column phase: DB-624 Column diameter: 0.18

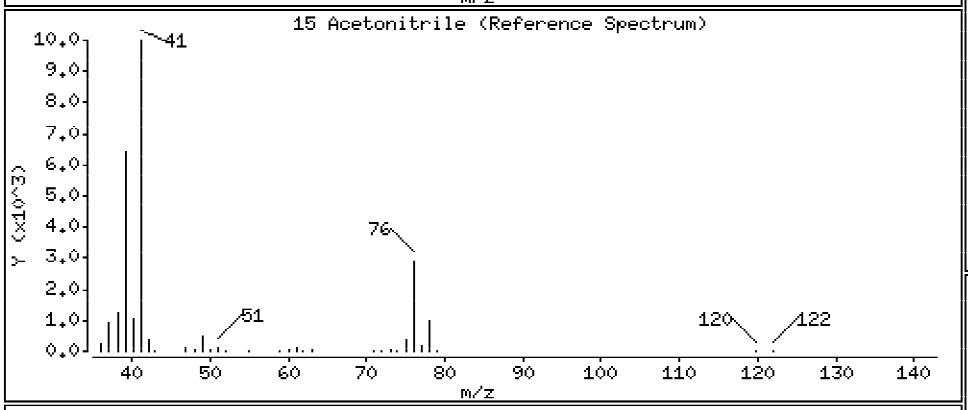
15 Acetonitrile Concentration: 45.2 ppb

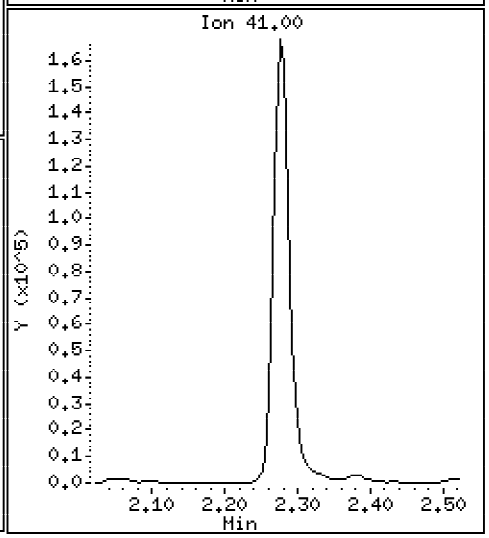


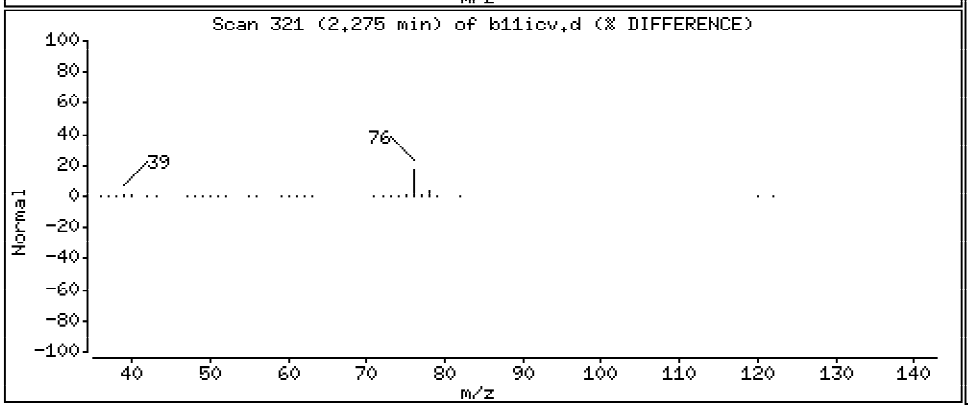












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 20

Date : 10-JAN-2014 21:40

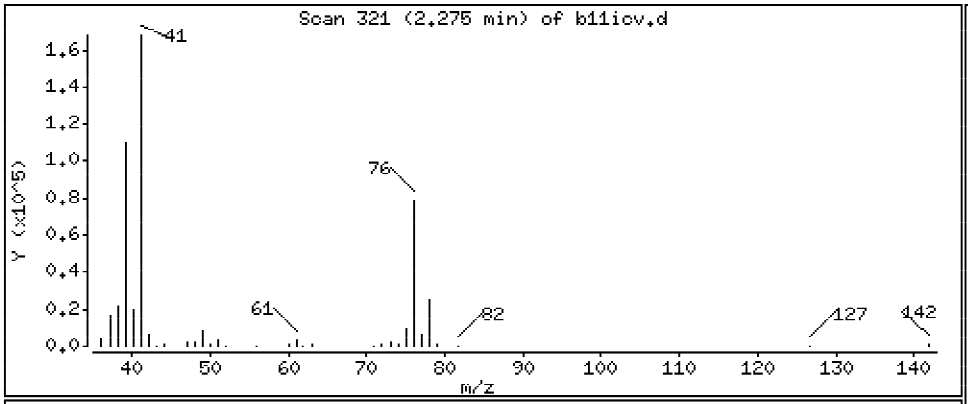
Client ID: 8260-ICV Instrument: 50mv4b.i

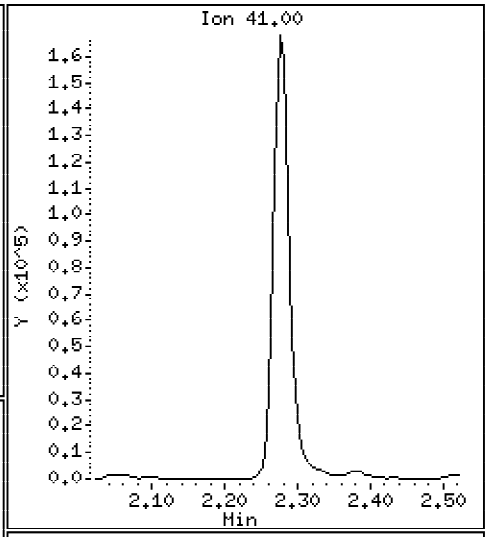
Sample Info: 8260-ICV,59989:0

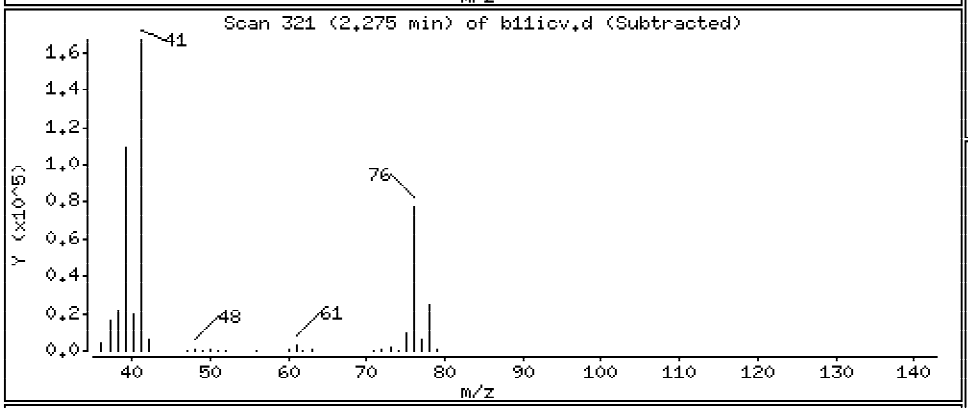
Purge Volume: 5.0 Operator: rsw

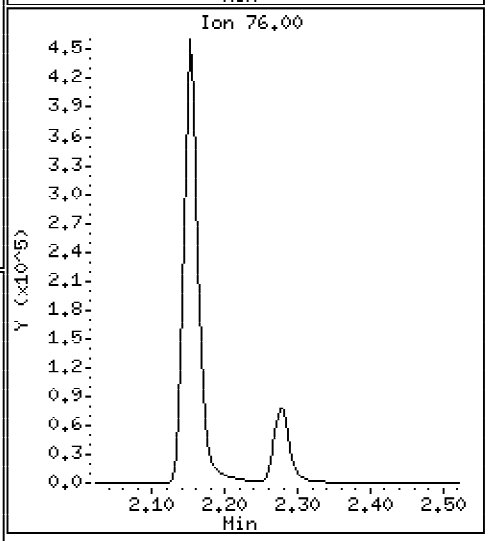
Column phase: DB-624 Column diameter: 0.18

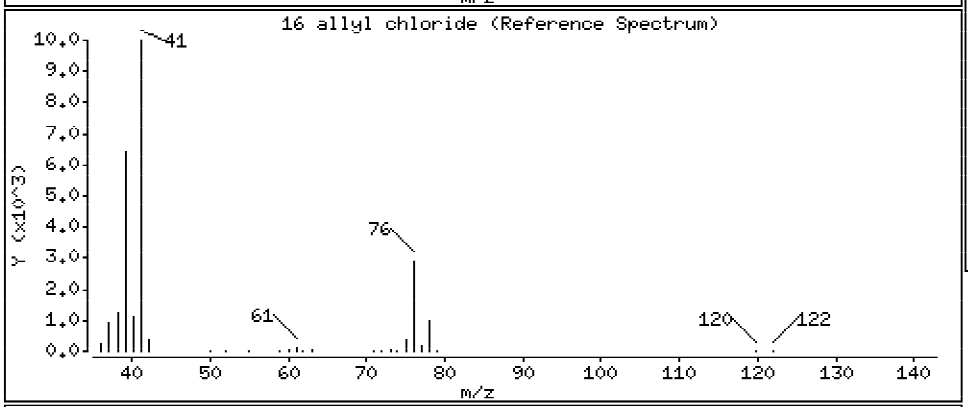
16 allyl chloride Concentration: 102 ppb

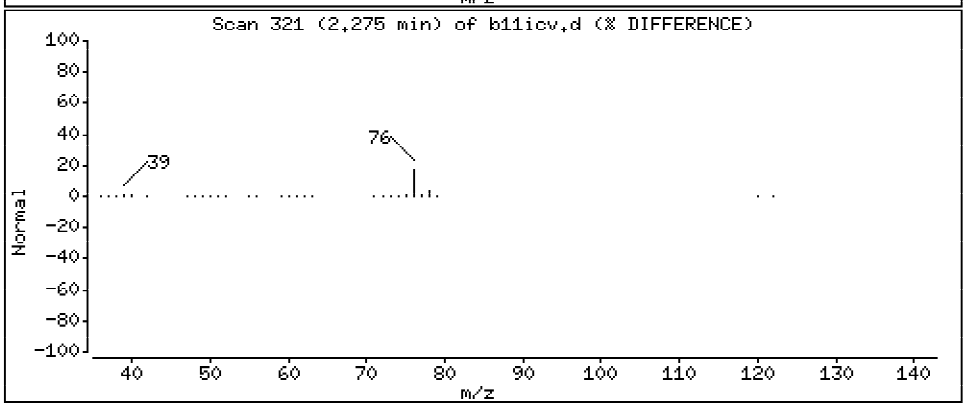












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 21

Date : 10-JAN-2014 21:40

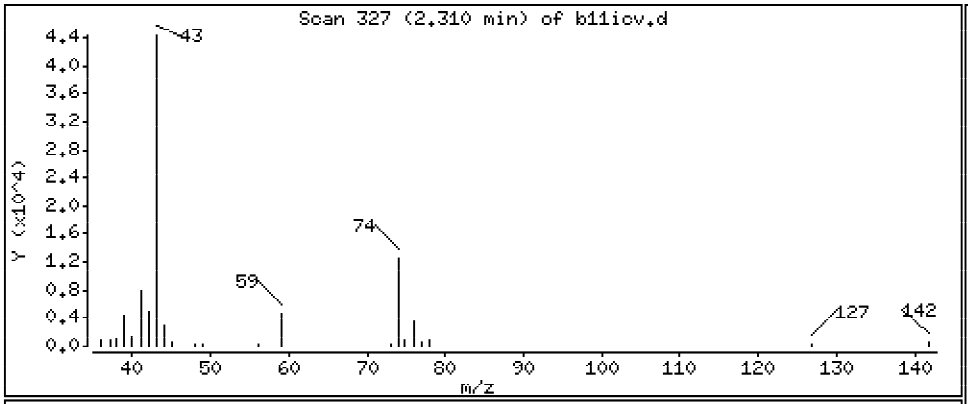
Client ID: 8260-ICV Instrument: 50mv4b.i

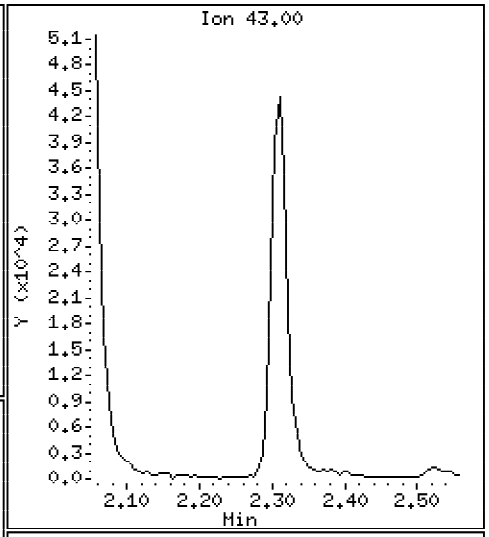
Sample Info: 8260-ICV,59989:0

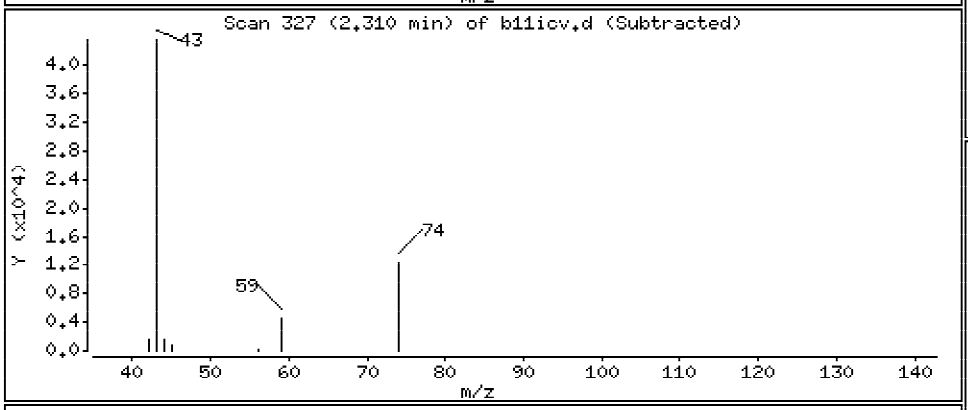
Purge Volume: 5.0 Operator: rsw

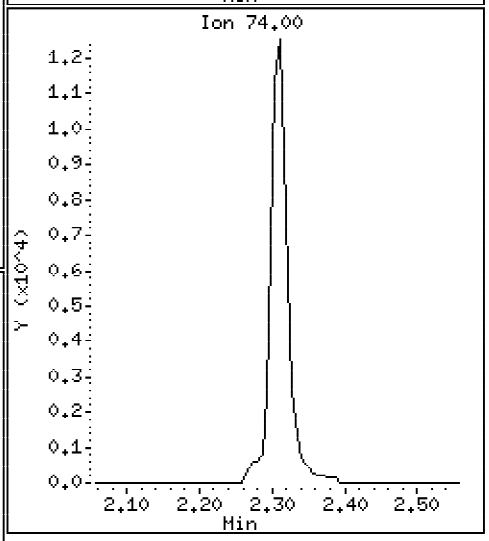
Column phase: DB-624 Column diameter: 0.18

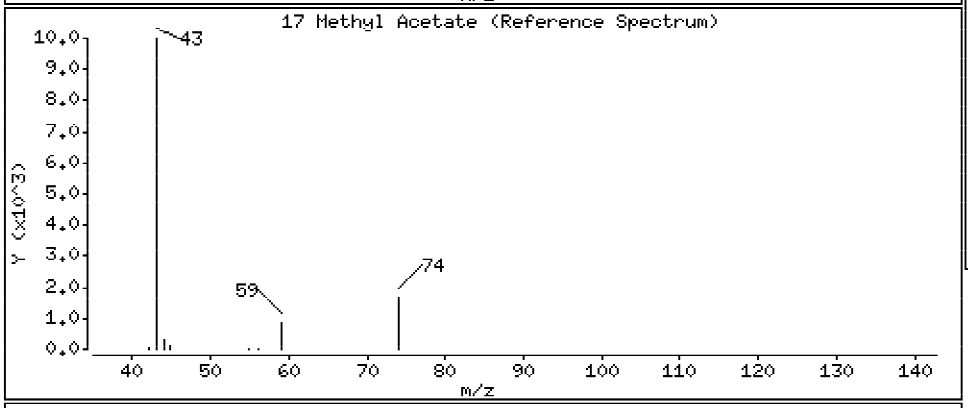
17 Methyl Acetate Concentration: 48.9 ppb

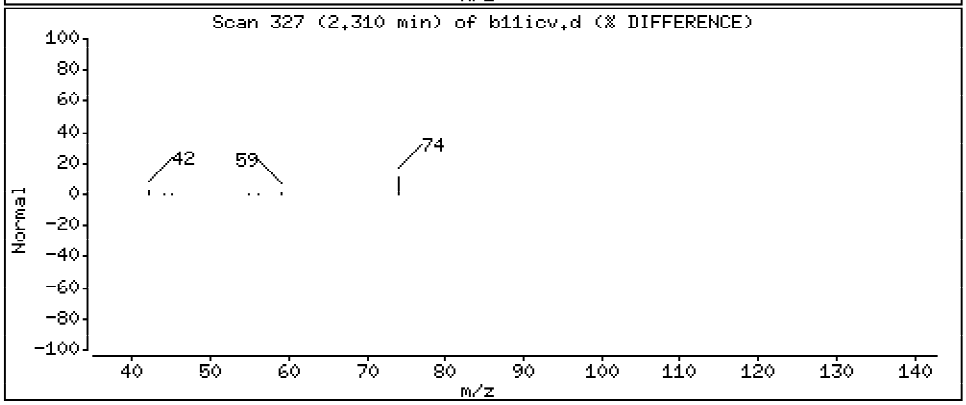












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 22

Date : 10-JAN-2014 21:40

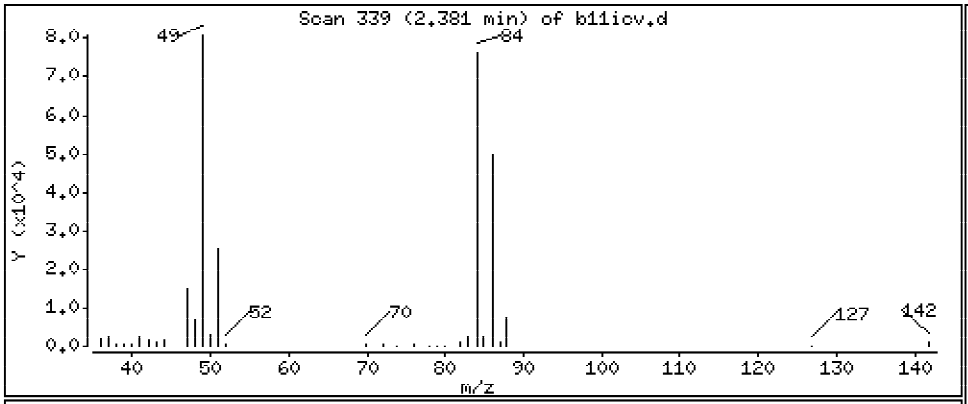
Client ID: 8260-ICV Instrument: 50mv4b.i

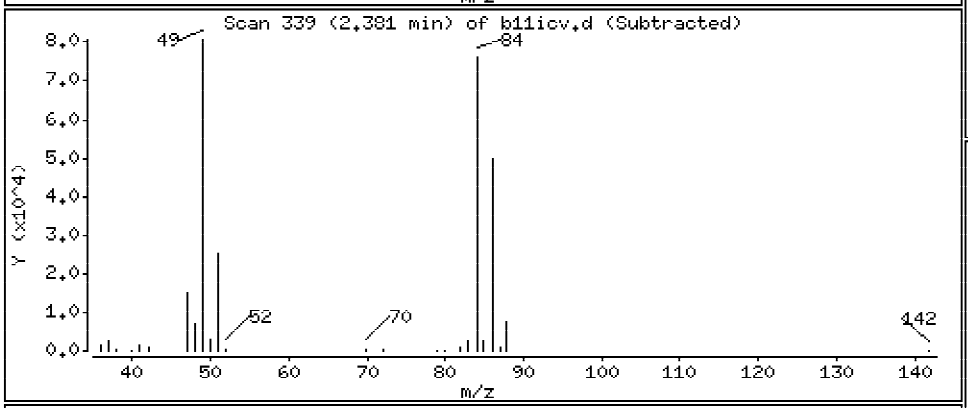
Sample Info: 8260-ICV,59989:0

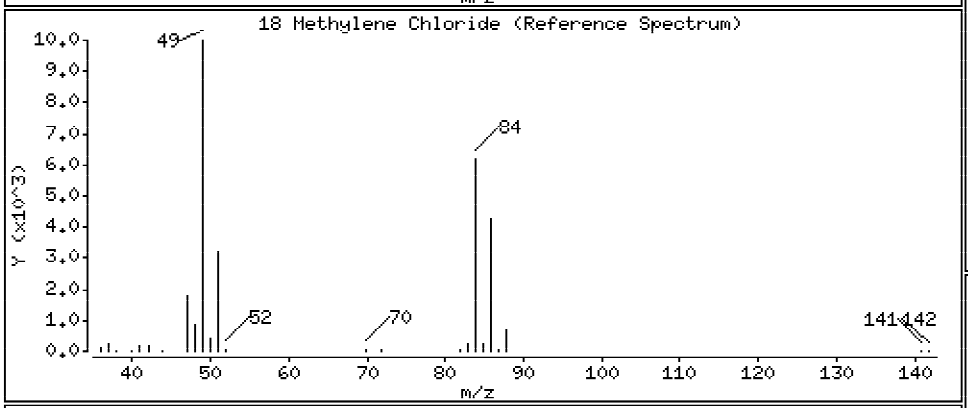
Purge Volume: 5.0 Operator: rsw

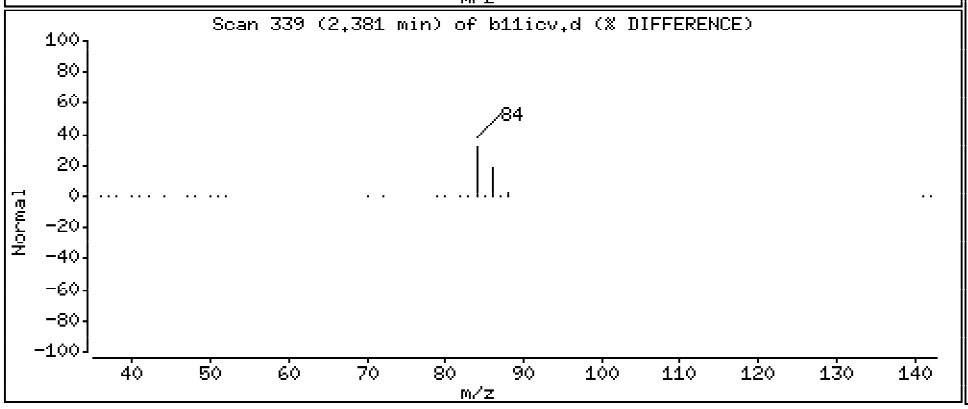
Column phase: DB-624 Column diameter: 0.18

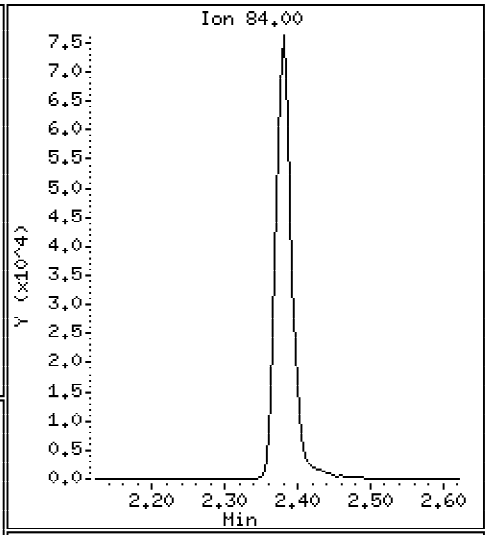
18 Methylene Chloride Concentration: 51.8 ppb

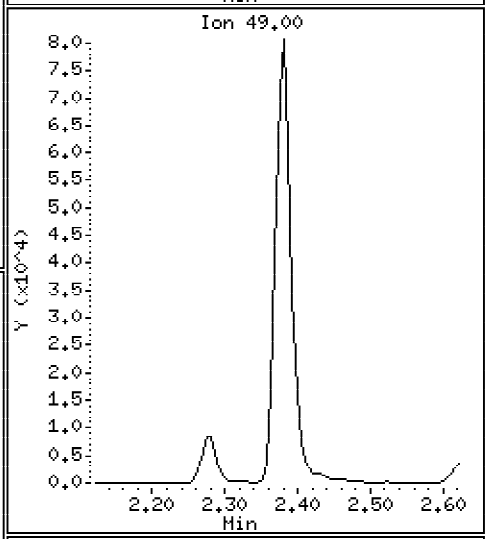


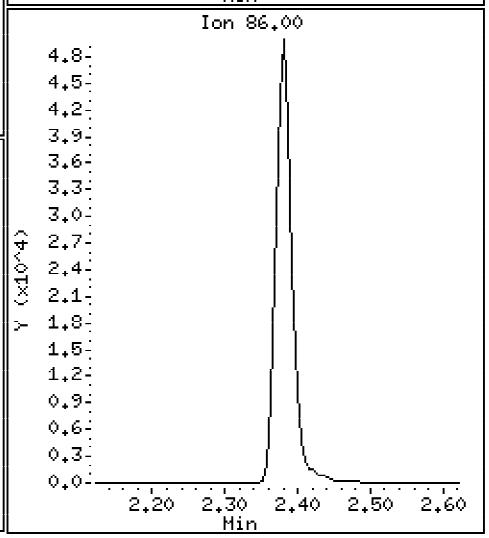












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 23

Date : 10-JAN-2014 21:40

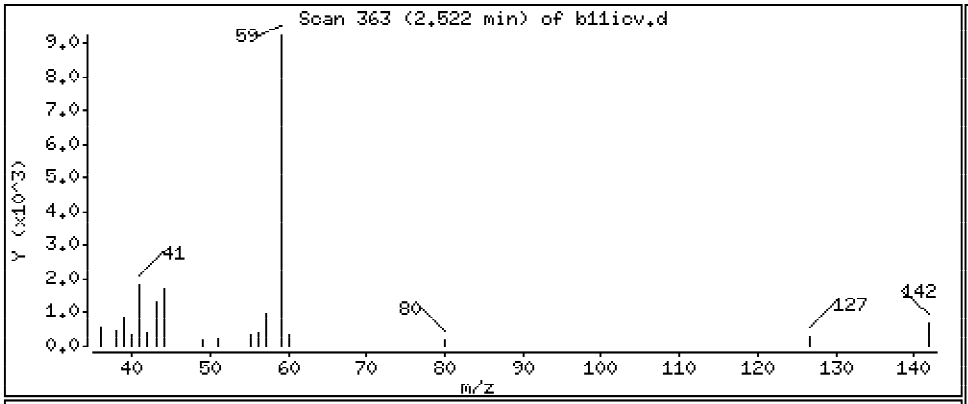
Client ID: 8260-ICV Instrument: 50mv4b.i

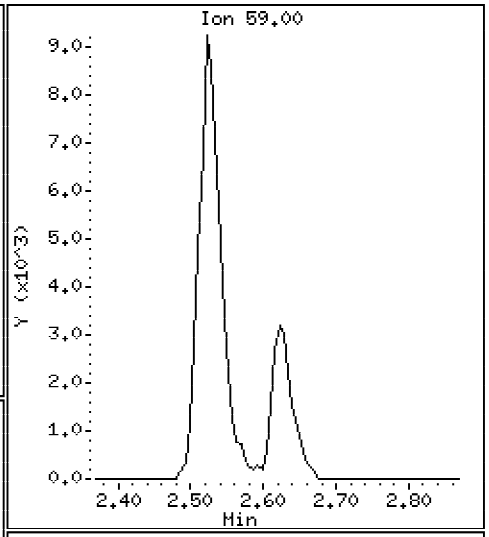
Sample Info: 8260-ICV,59989:0

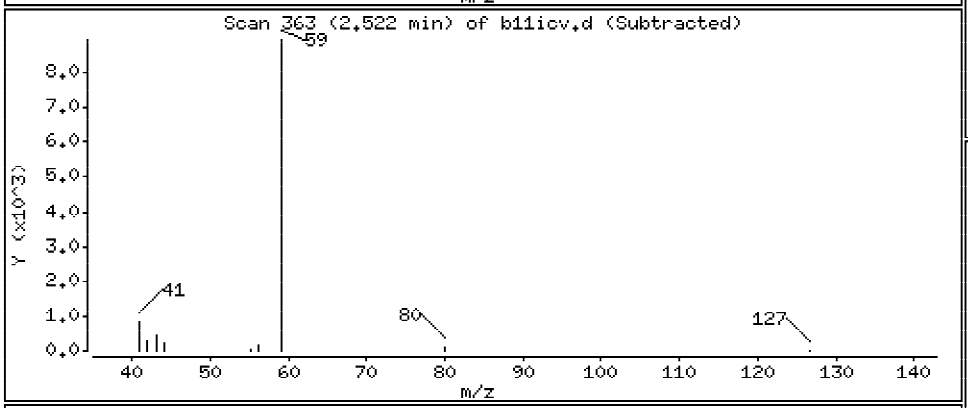
Purge Volume: 5.0 Operator: rsw

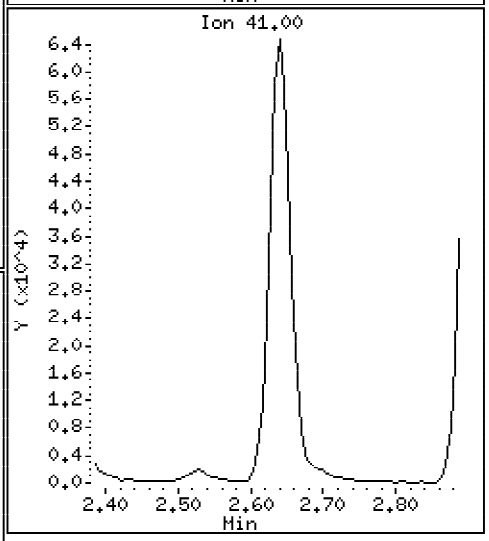
Column phase: DB-624 Column diameter: 0.18

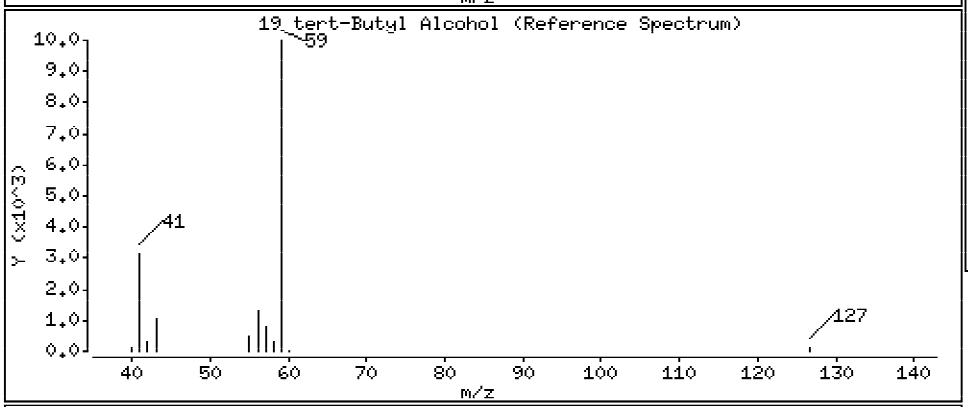
19 tert-Butyl Alcohol Concentration: 82.7 ppb

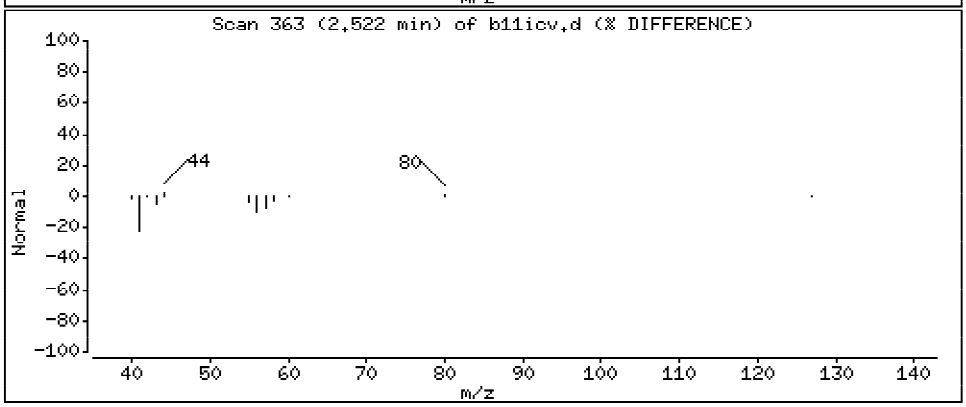












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 24

Date : 10-JAN-2014 21:40

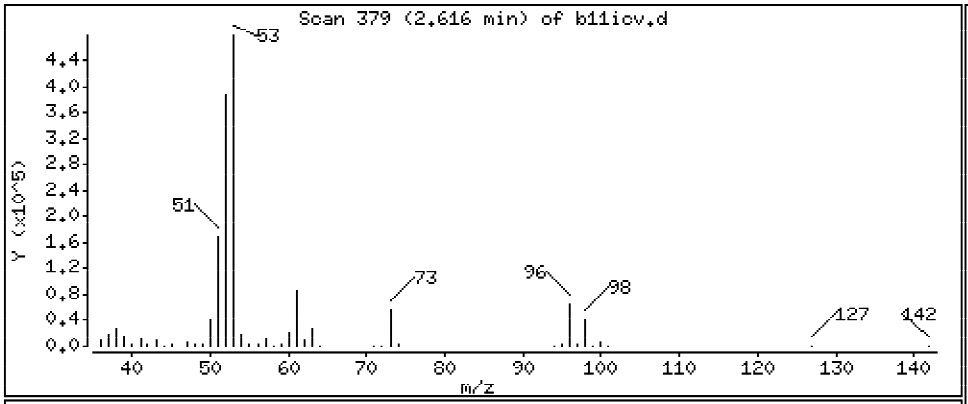
Client ID: 8260-ICV Instrument: 50mv4b.i

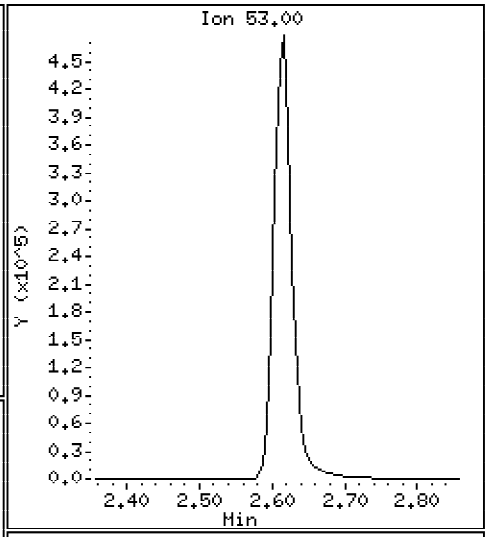
Sample Info: 8260-ICV,59989:0

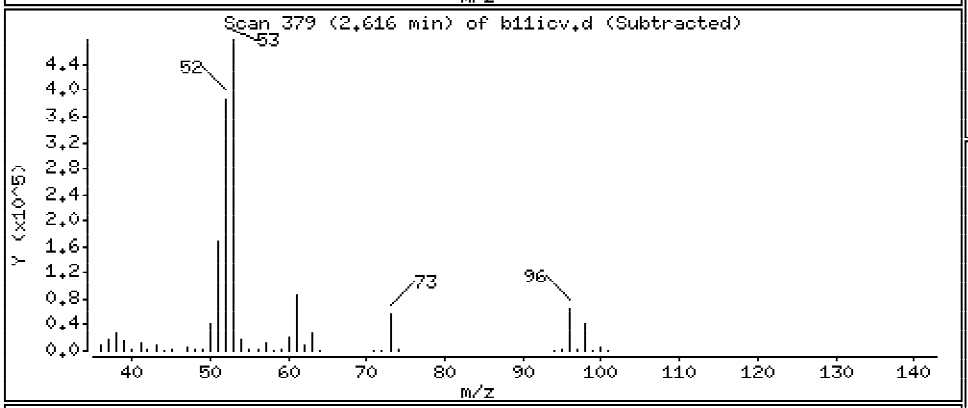
Purge Volume: 5.0 Operator: rsw

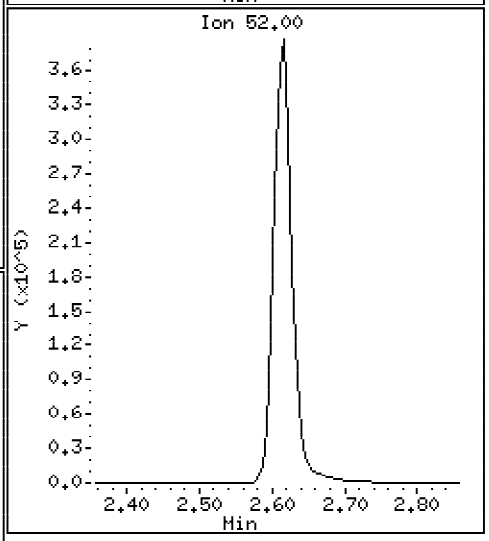
Column phase: DB-624 Column diameter: 0.18

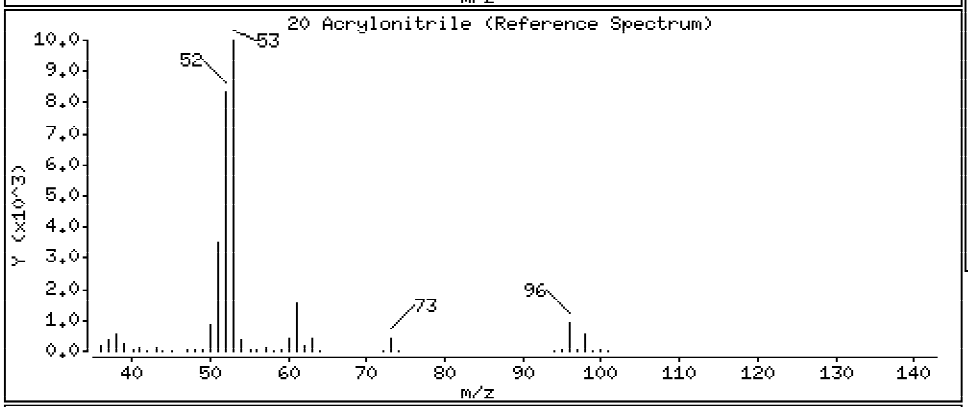
20 Acrylonitrile Concentration: 1020 ppb

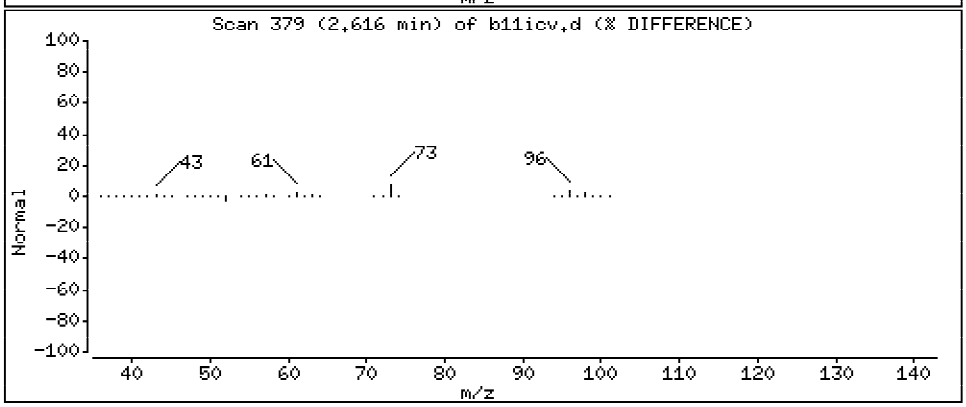












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d

Date : 10-JAN-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv4b.i

Sample Info: 8260-ICV,59989:0

Purge Volume: 5.0

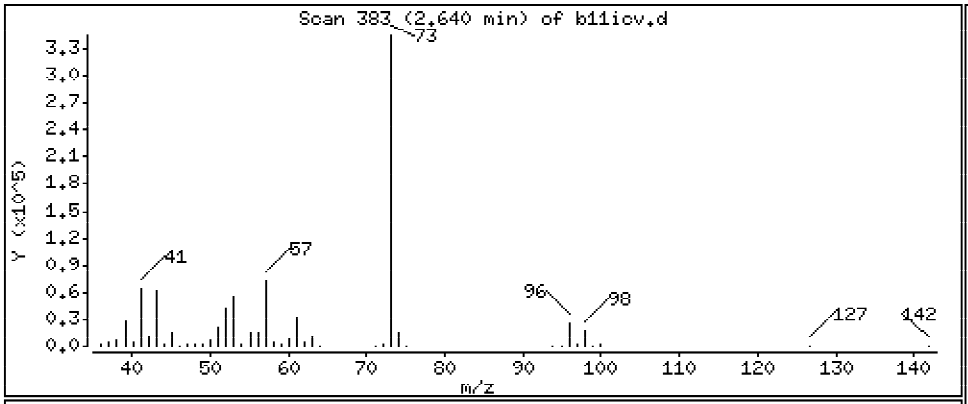
Operator: rsw

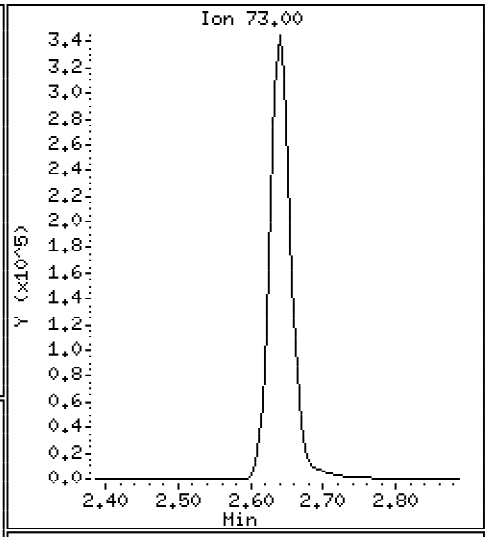
Column phase: DB-624

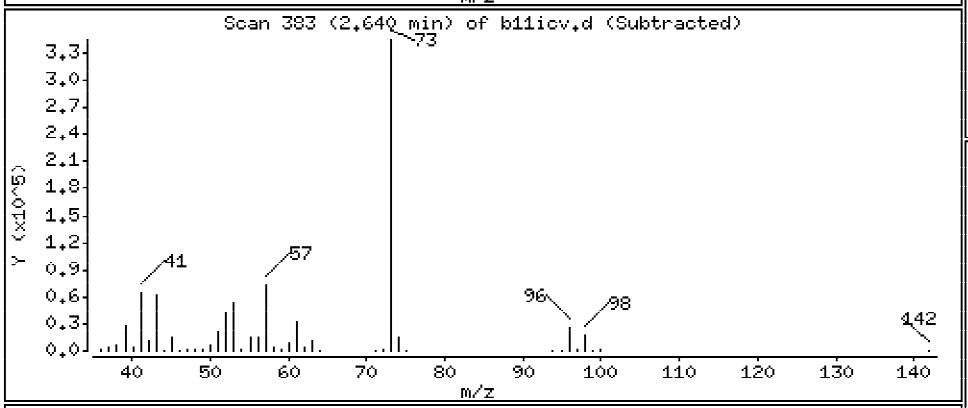
Column diameter: 0.18

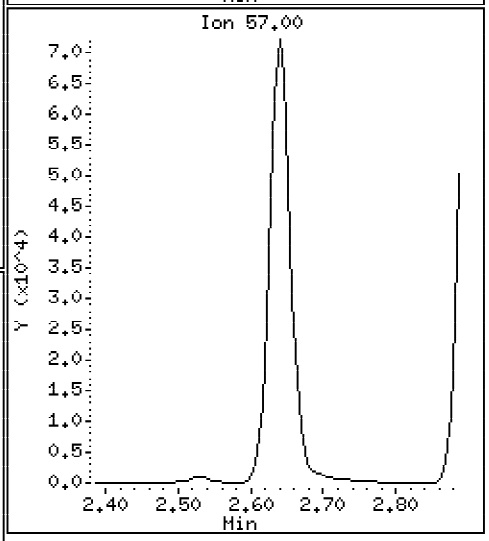
21 Methyl-tert-butyl ether

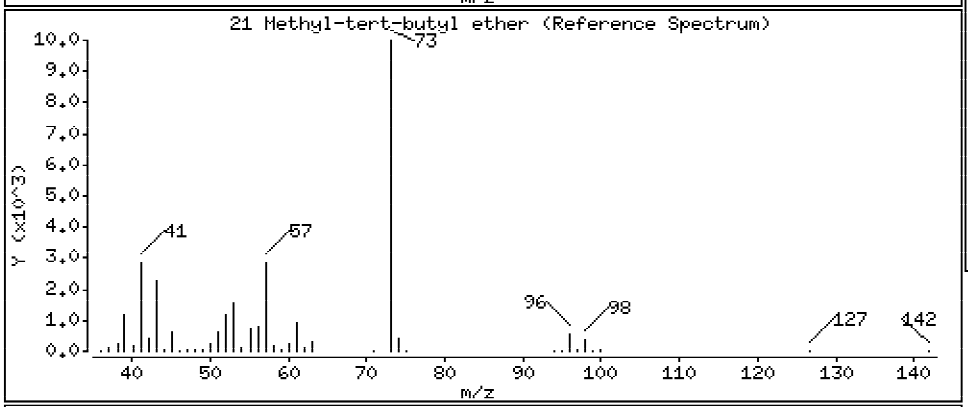
Concentration: 97.4 ppb

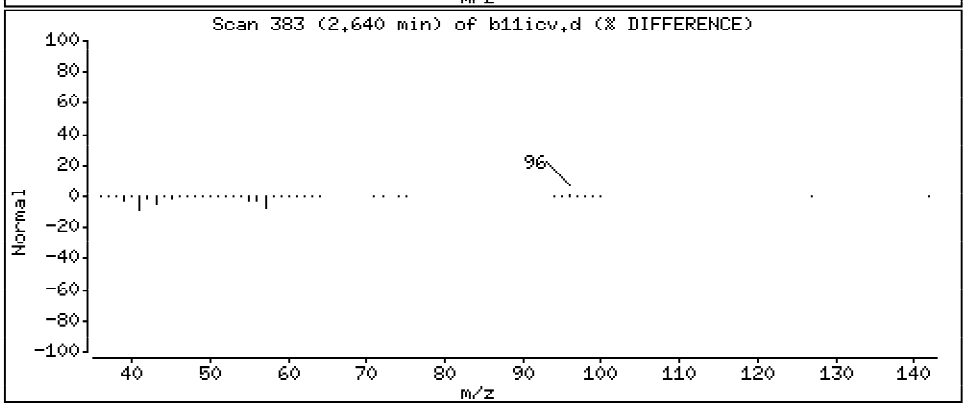












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 26

Date : 10-JAN-2014 21:40

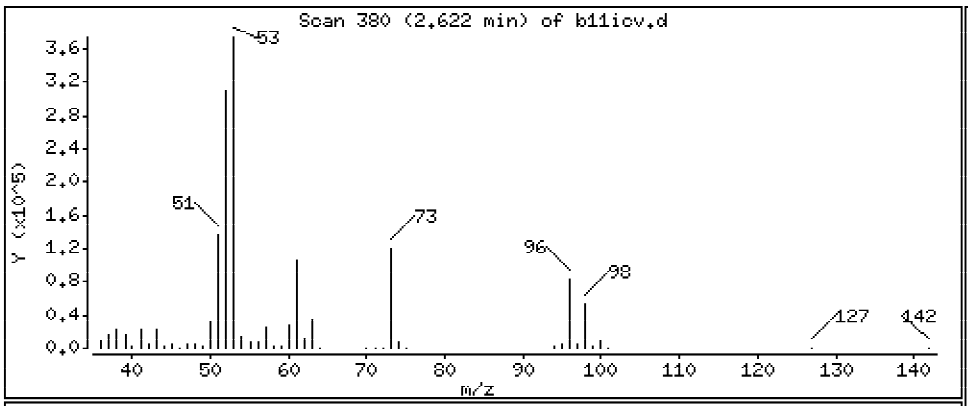
Client ID: 8260-ICV Instrument: 50mv4b.i

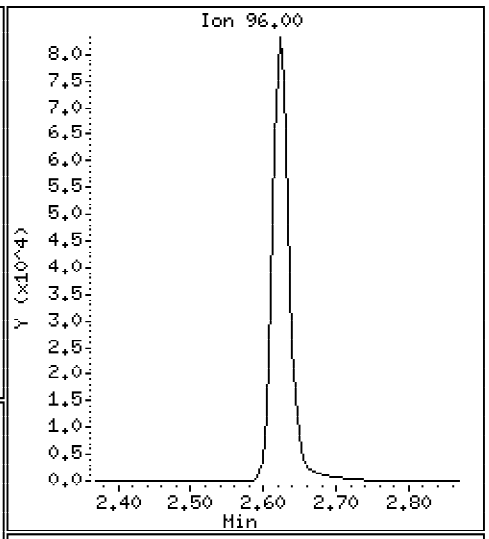
Sample Info: 8260-ICV,59989:0

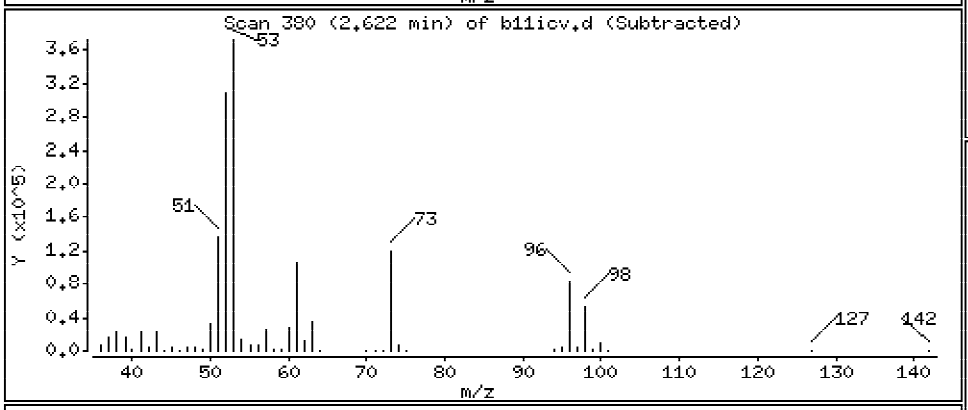
Purge Volume: 5.0 Operator: rsw

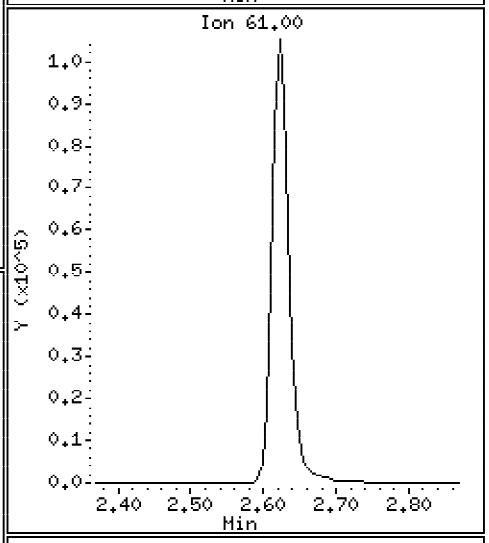
Column phase: DB-624 Column diameter: 0.18

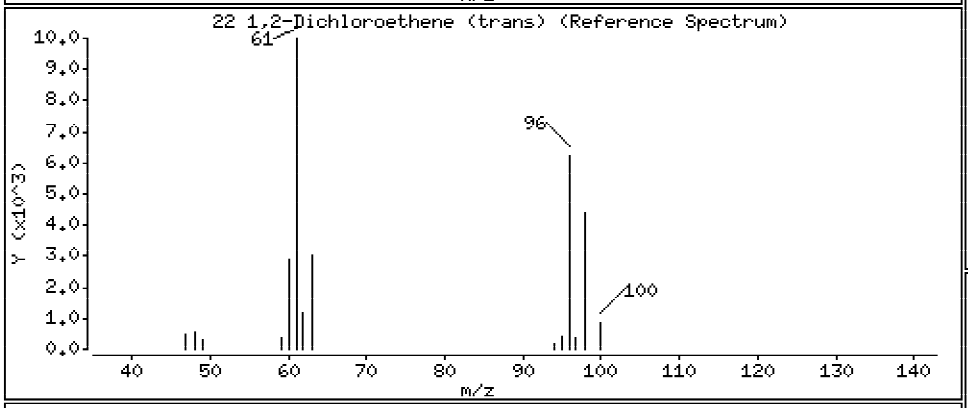
22 1,2-Dichloroethene (trans) Concentration: 49.1 ppb

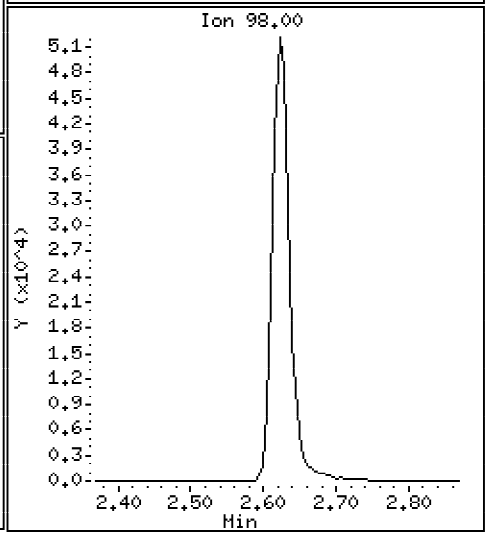


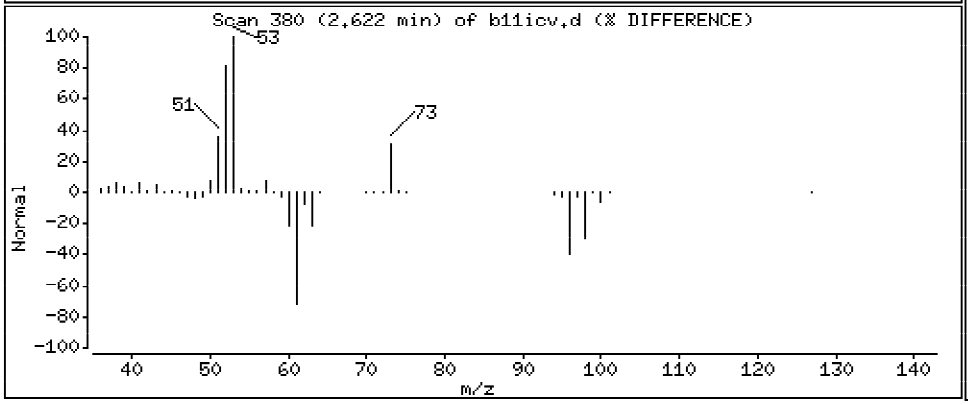












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 27

Date : 10-JAN-2014 21:40

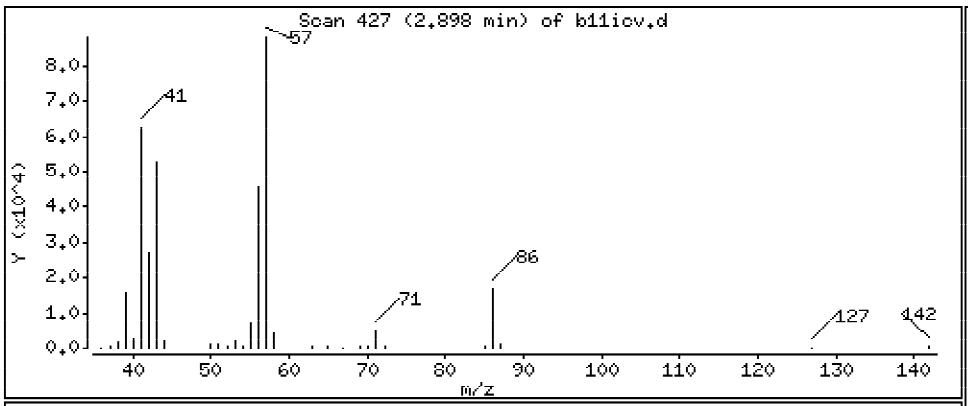
Client ID: 8260-ICV Instrument: 50mv4b.i

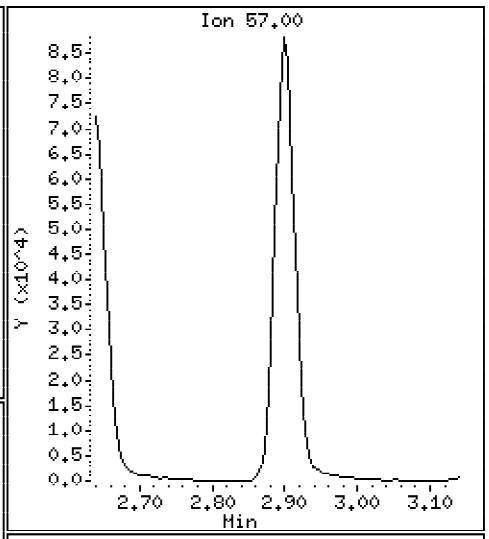
Sample Info: 8260-ICV,59989:0

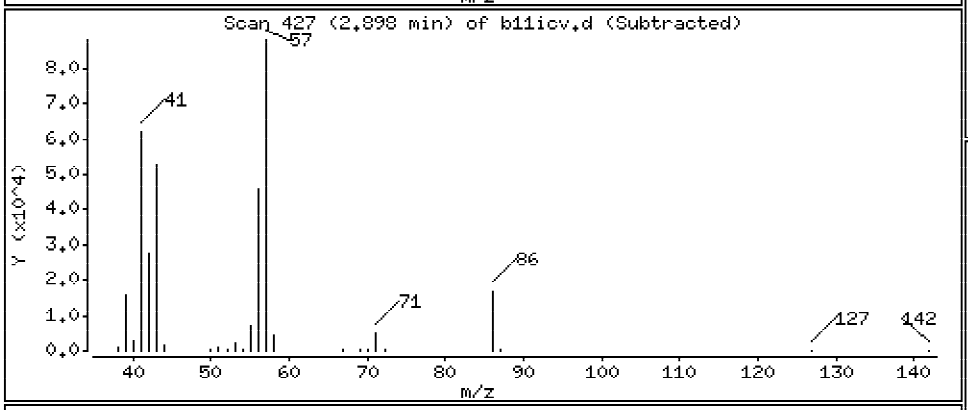
Purge Volume: 5.0 Operator: rsw

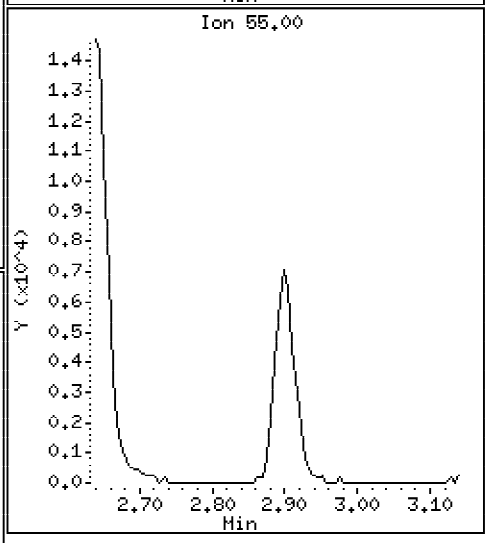
Column phase: DB-624 Column diameter: 0.18

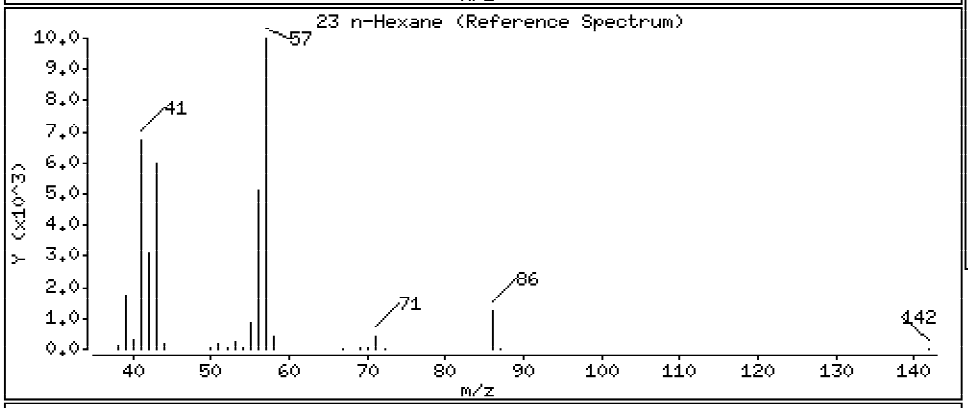
23 n-Hexane Concentration: 50.0 ppb

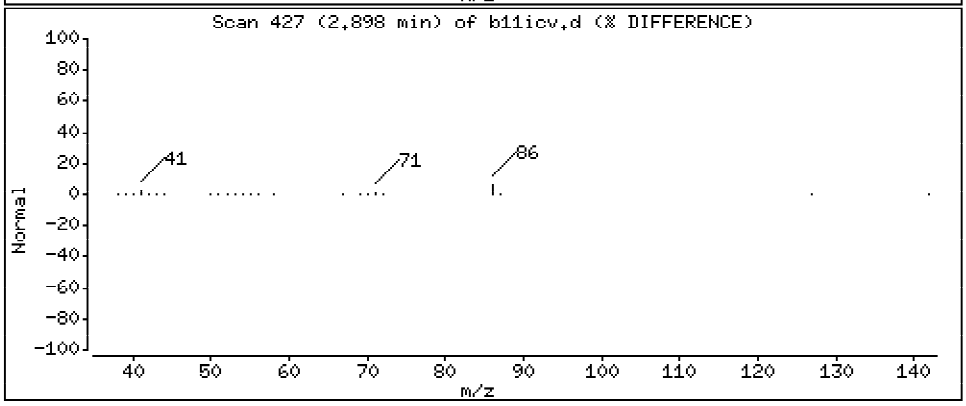












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 28

Date : 10-JAN-2014 21:40

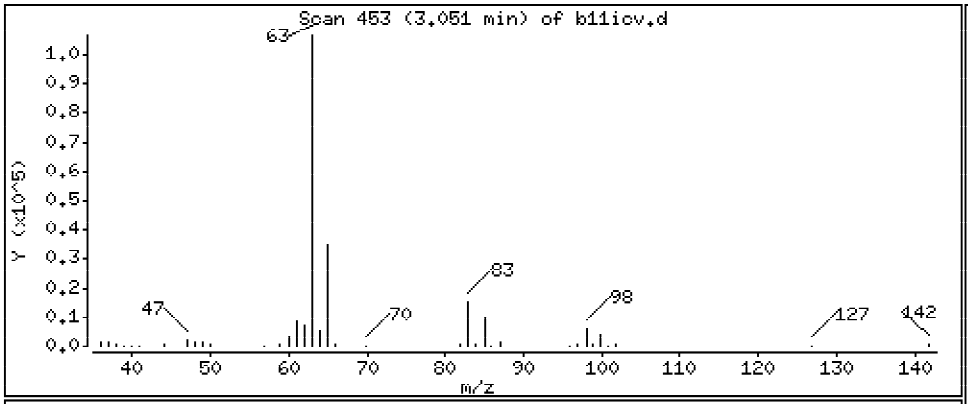
Client ID: 8260-ICV Instrument: 50mv4b.i

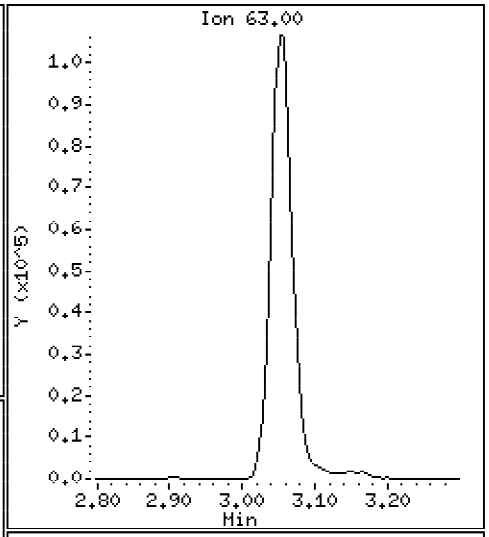
Sample Info: 8260-ICV,59989:0

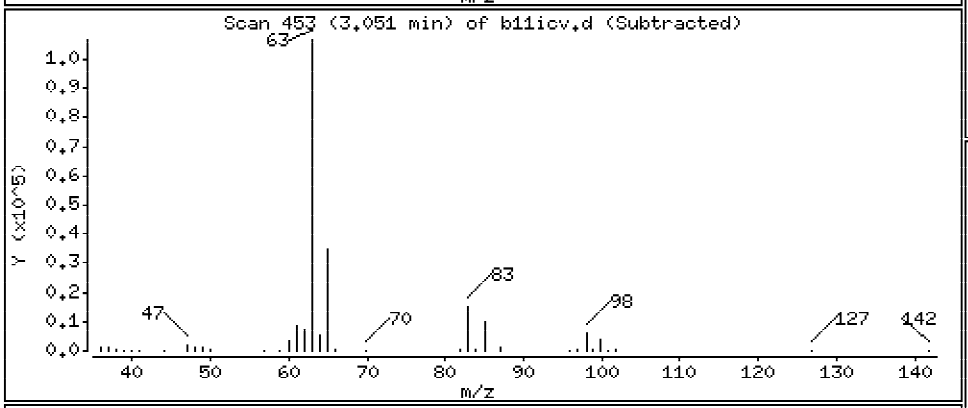
Purge Volume: 5.0 Operator: rsw

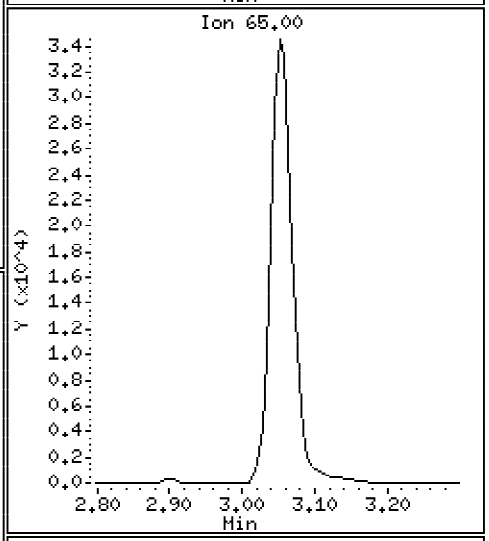
Column phase: DB-624 Column diameter: 0.18

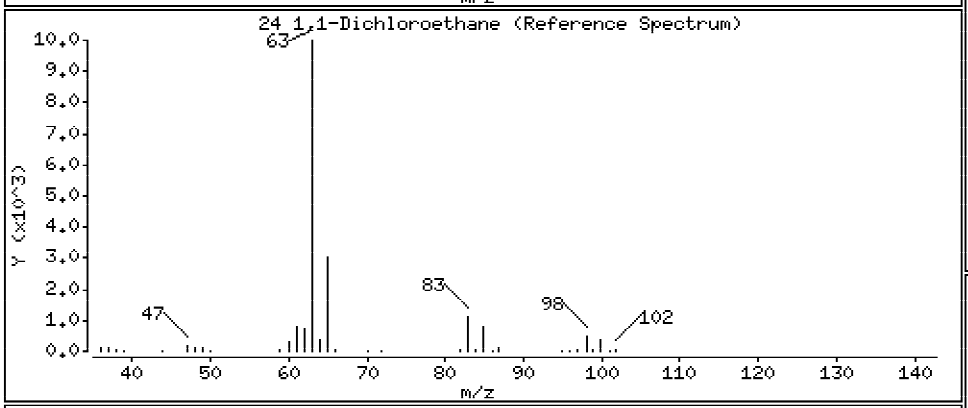
24 1,1-Dichloroethane Concentration: 48.5 ppb

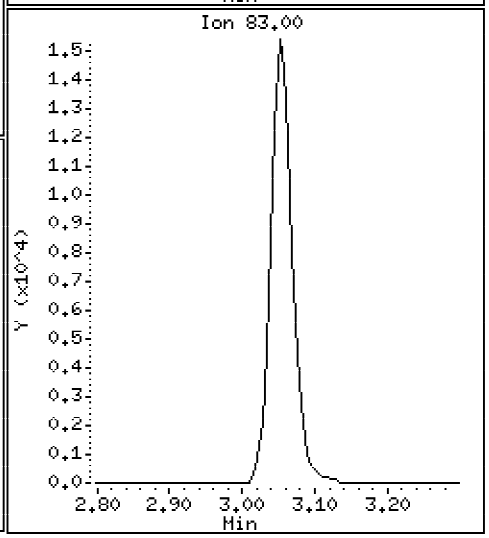


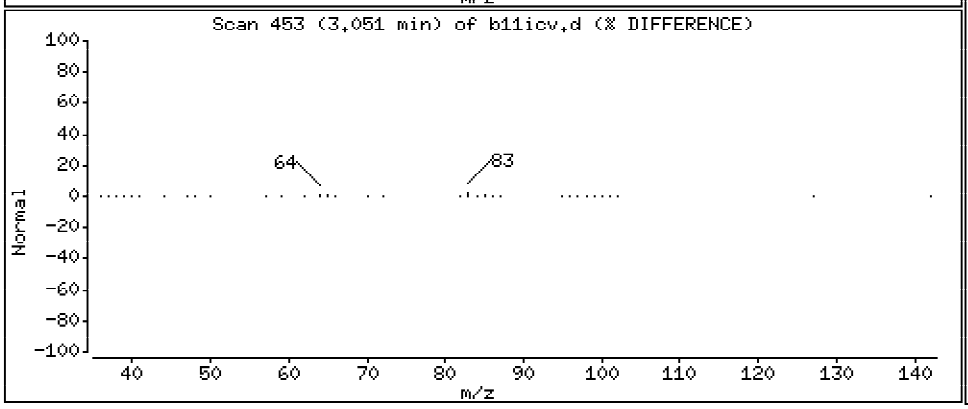












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 29

Date : 10-JAN-2014 21:40

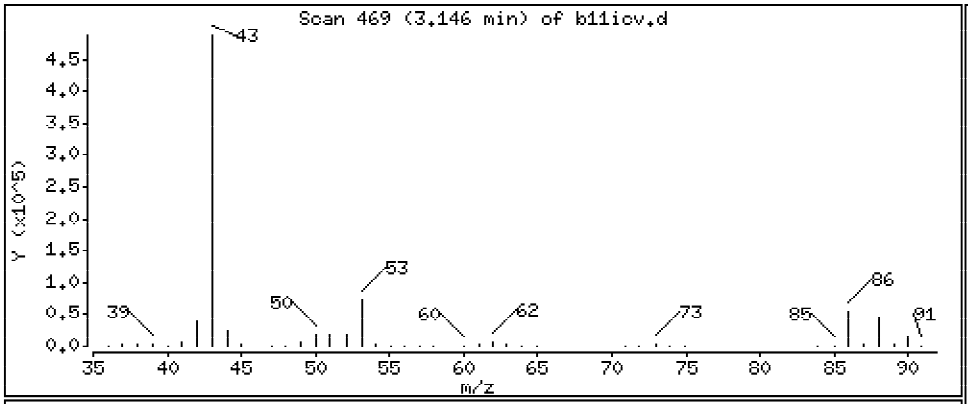
Client ID: 8260-ICV Instrument: 50mv4b.i

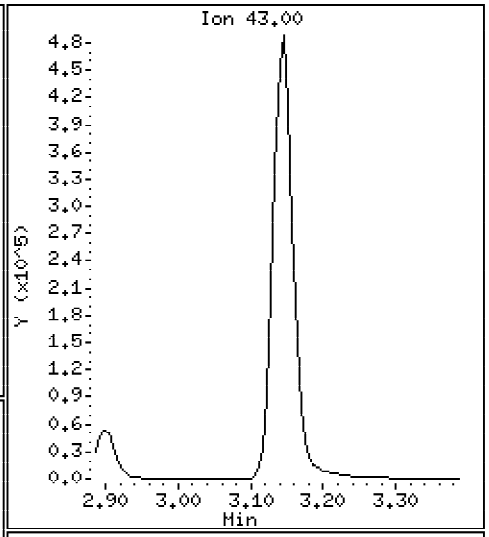
Sample Info: 8260-ICV,59989:0

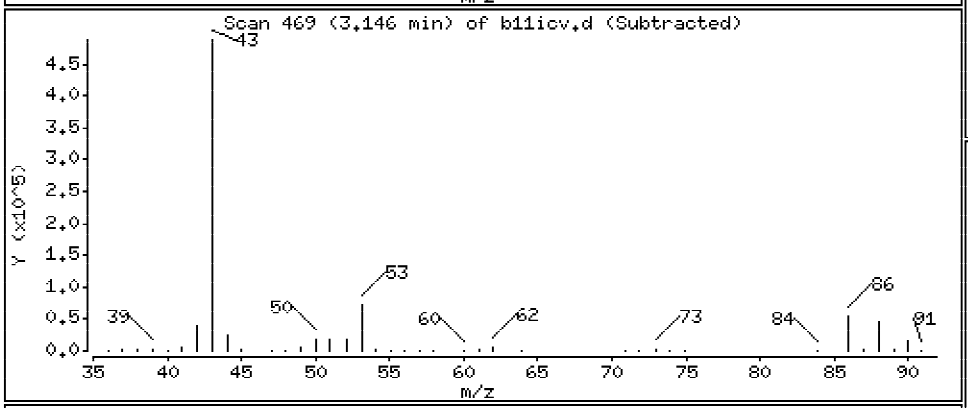
Purge Volume: 5.0 Operator: rsw

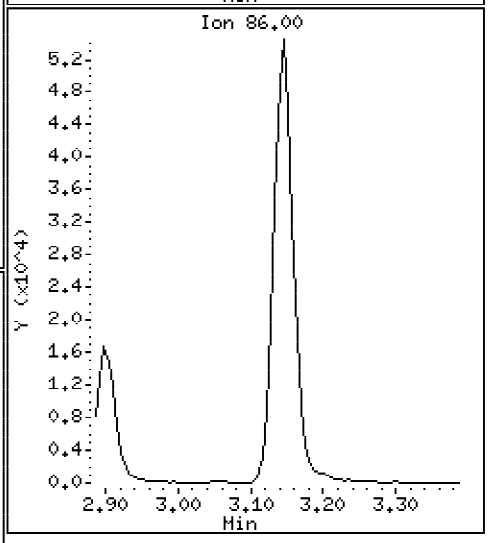
Column phase: DB-624 Column diameter: 0.18

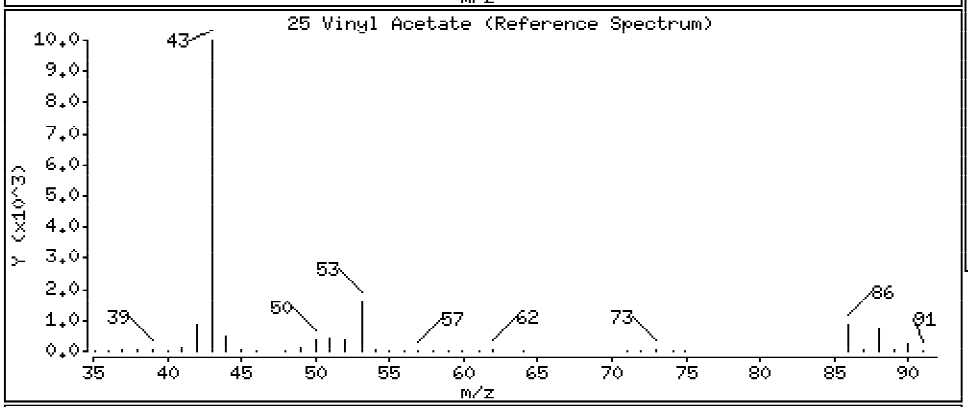
25 Vinyl Acetate Concentration: 201 ppb

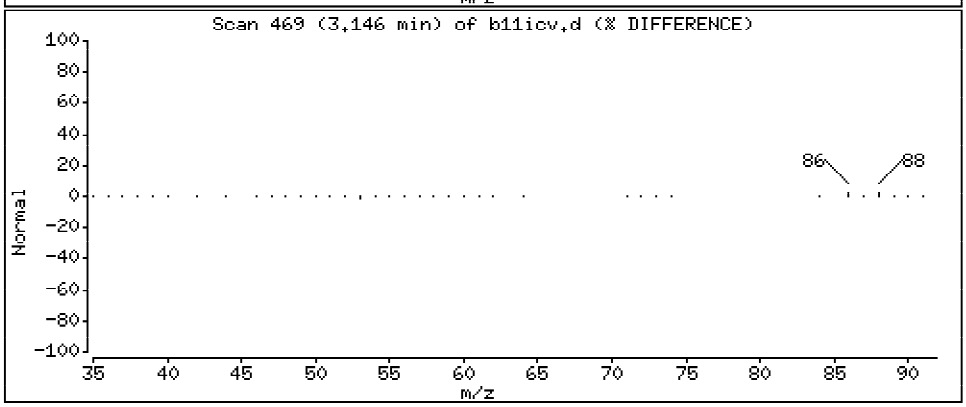












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 30

Date : 10-JAN-2014 21:40

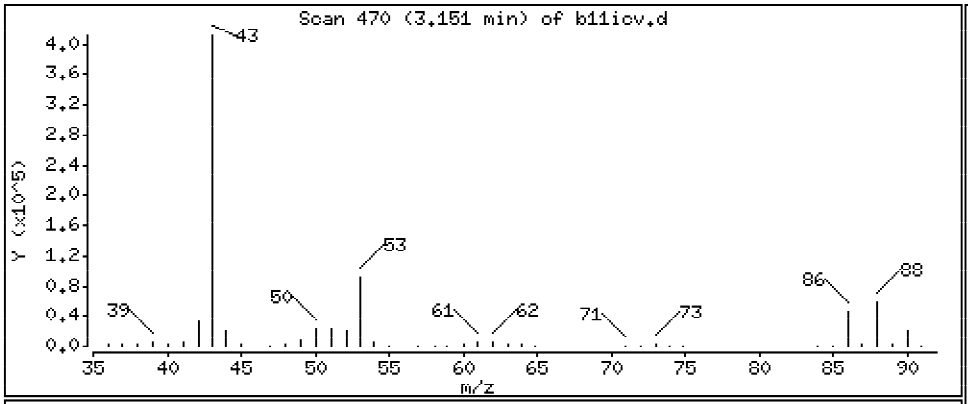
Client ID: 8260-ICV Instrument: 50mv4b.i

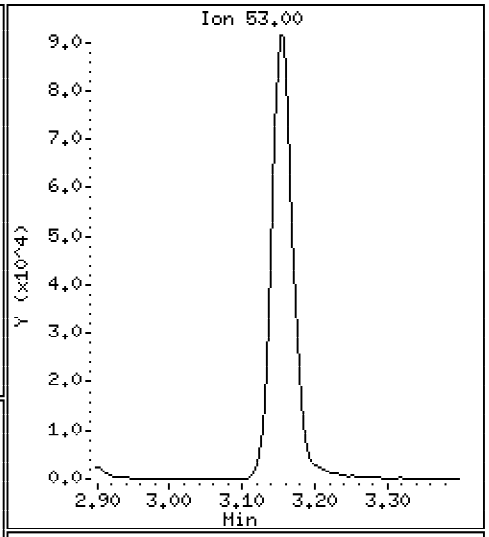
Sample Info: 8260-ICV,59989:0

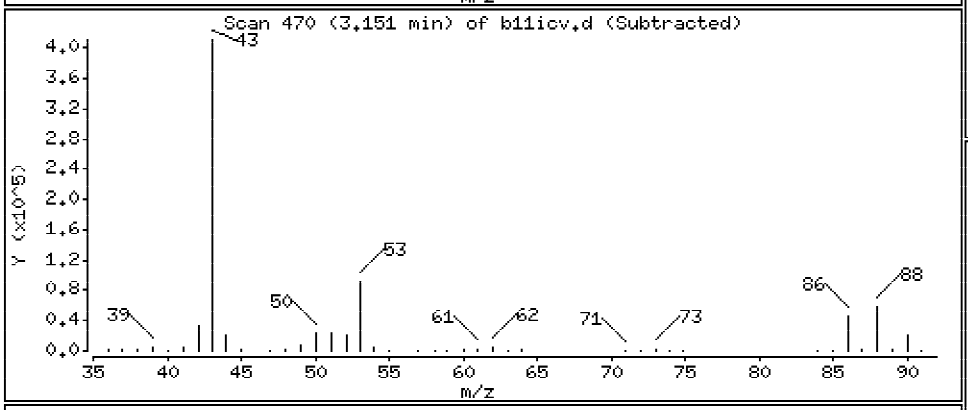
Purge Volume: 5.0 Operator: rsw

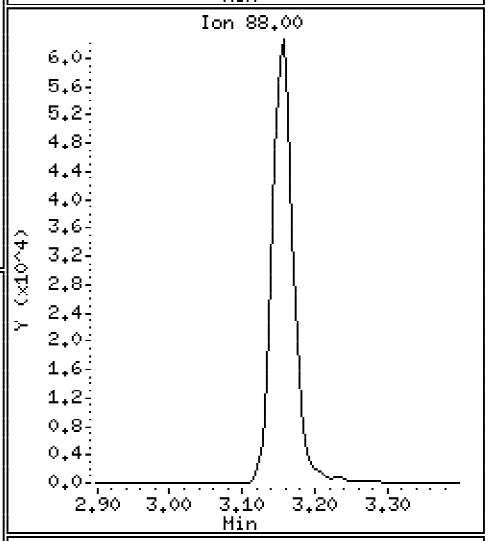
Column phase: DB-624 Column diameter: 0.18

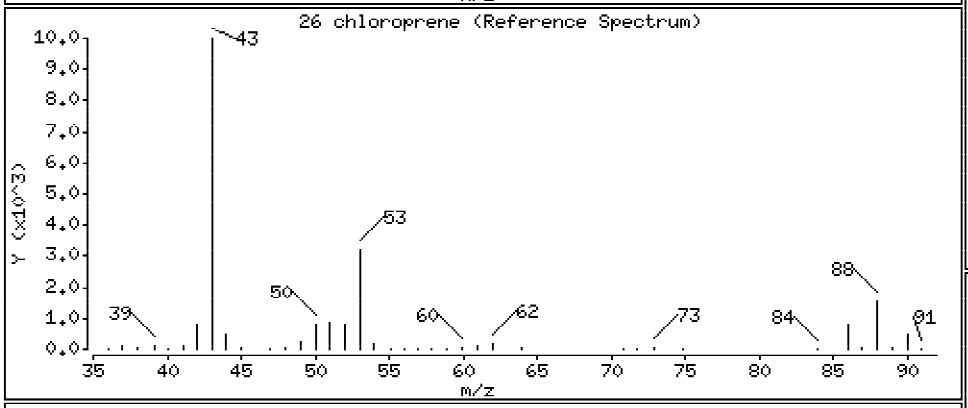
26 chloroprene Concentration: 50.5 ppb

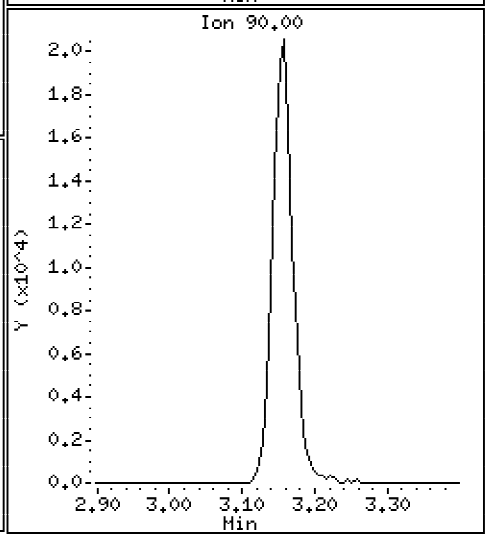


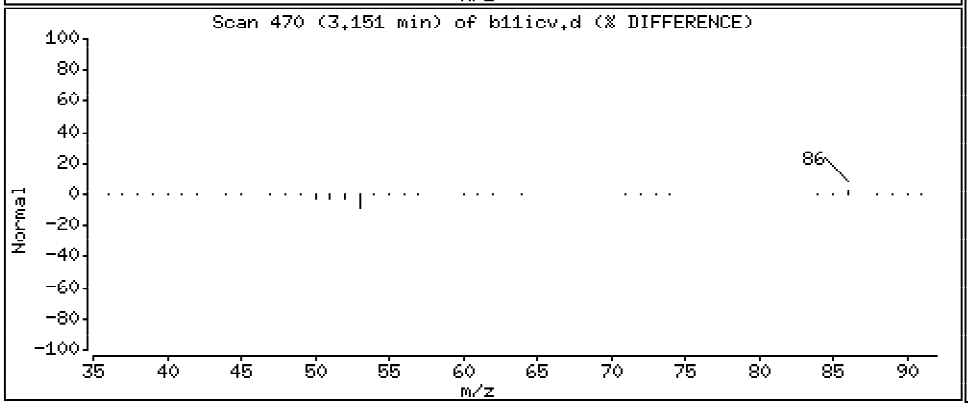












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 31

Date : 10-JAN-2014 21:40

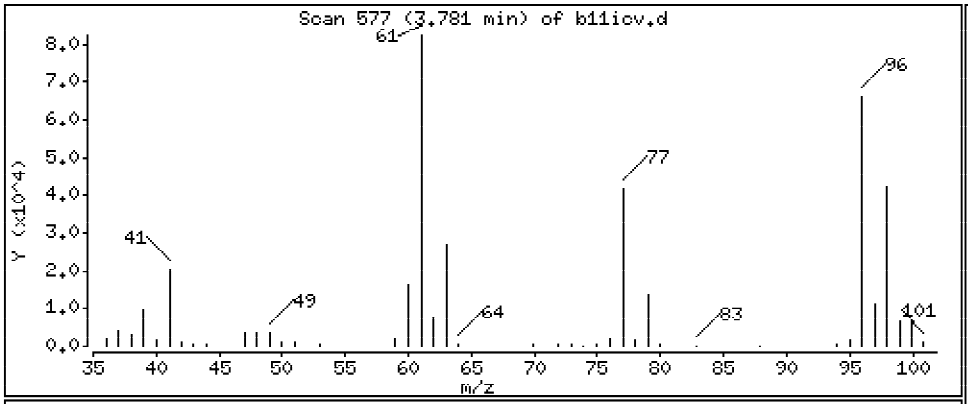
Client ID: 8260-ICV Instrument: 50mv4b.i

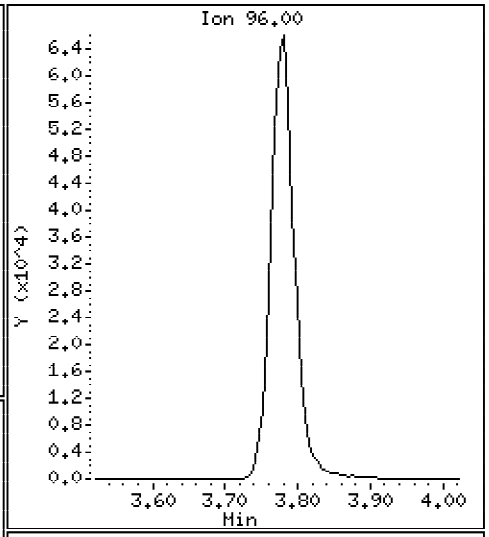
Sample Info: 8260-ICV,59989:0

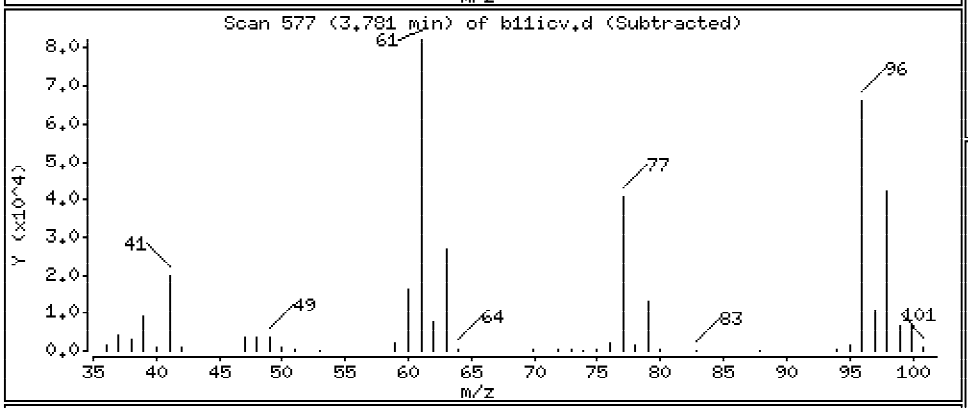
Purge Volume: 5.0 Operator: rsw

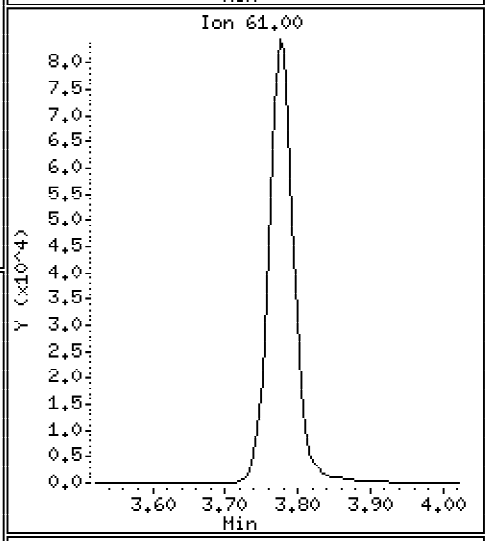
Column phase: DB-624 Column diameter: 0.18

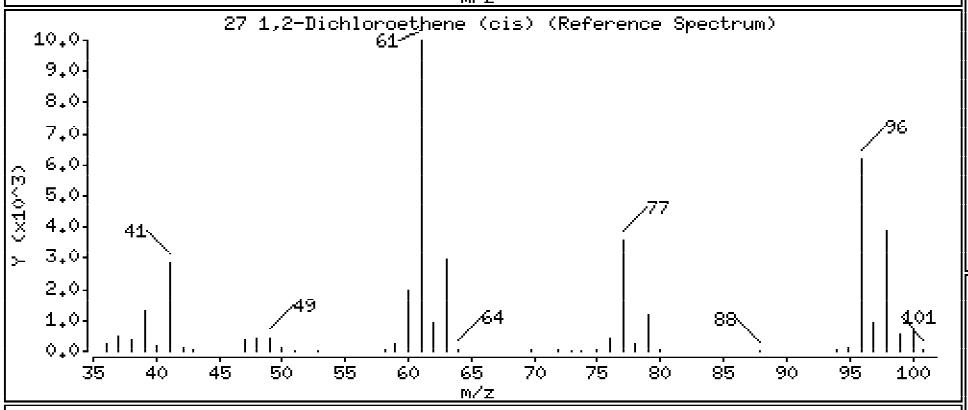
27 1,2-Dichloroethene (cis) Concentration: 46.1 ppb

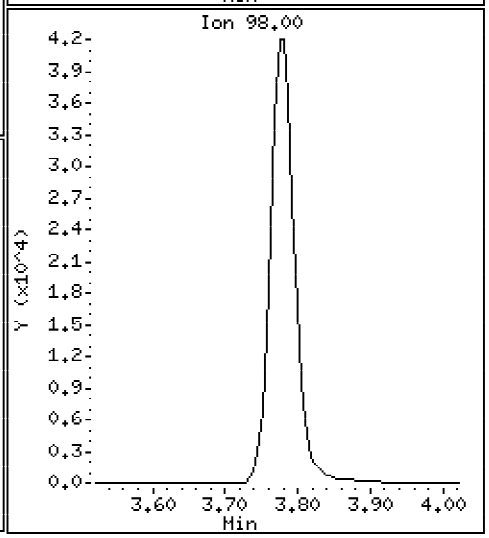


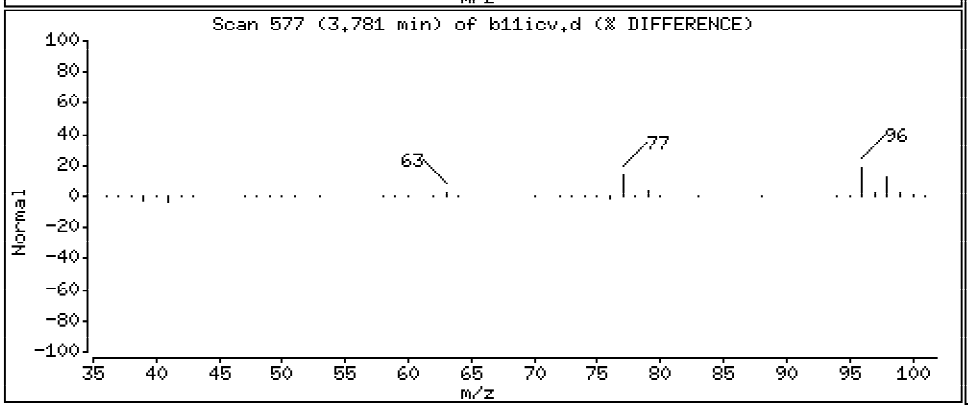












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 32

Date : 10-JAN-2014 21:40

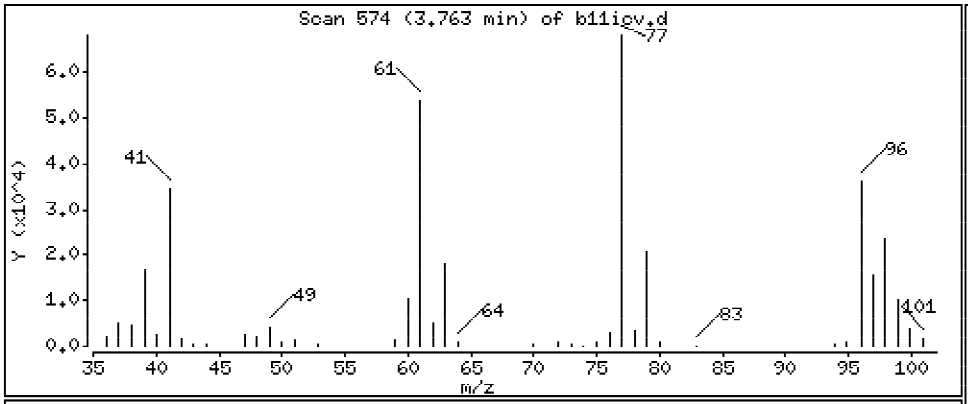
Client ID: 8260-ICV Instrument: 50mv4b.i

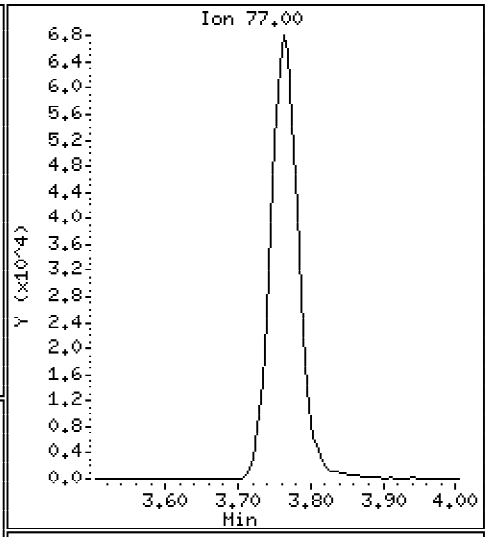
Sample Info: 8260-ICV,59989:0

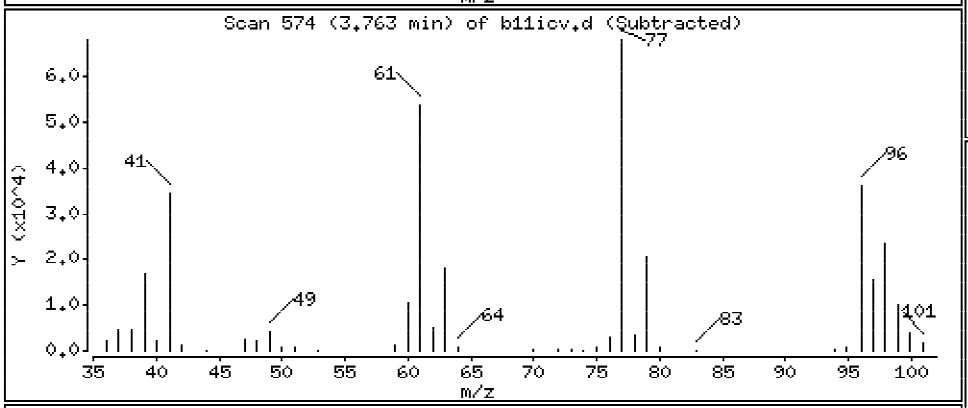
Purge Volume: 5.0 Operator: rsw

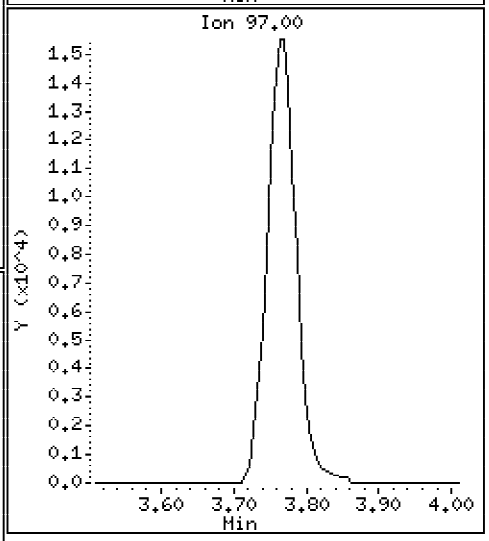
Column phase: DB-624 Column diameter: 0.18

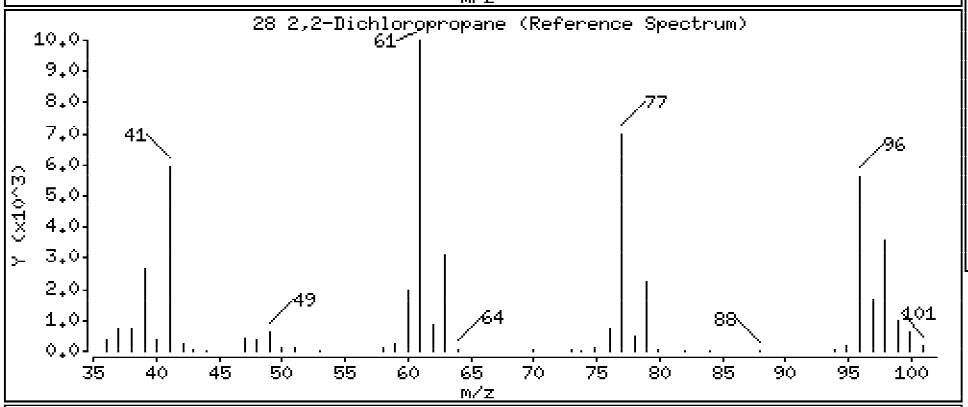
28 2,2-Dichloropropane Concentration: 51.6 ppb

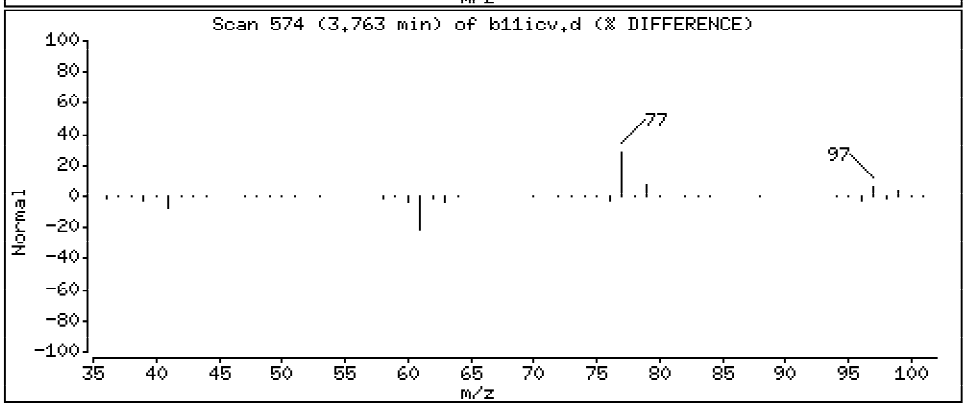












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 33

Date : 10-JAN-2014 21:40

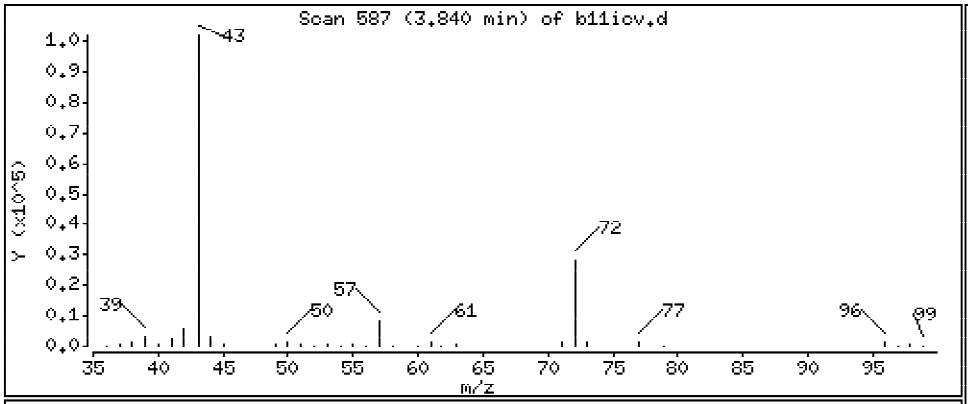
Client ID: 8260-ICV Instrument: 50mv4b.i

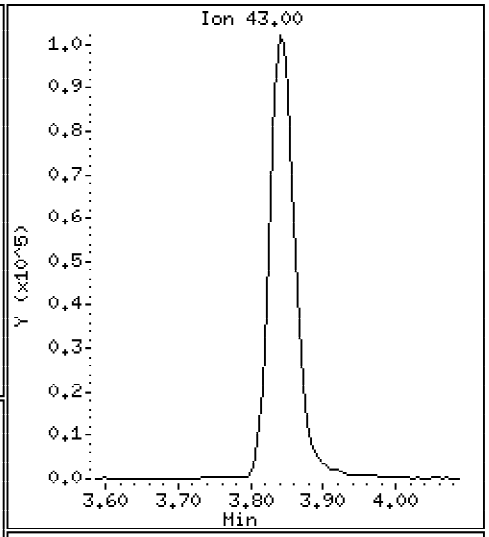
Sample Info: 8260-ICV,59989:0

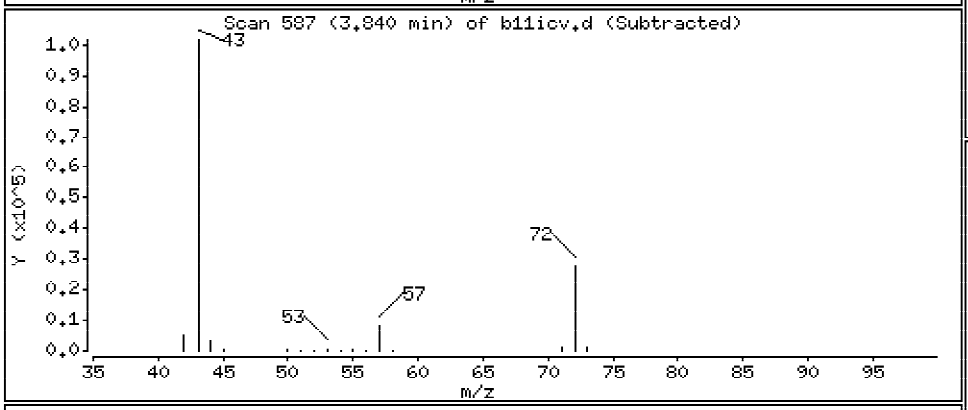
Purge Volume: 5.0 Operator: rsw

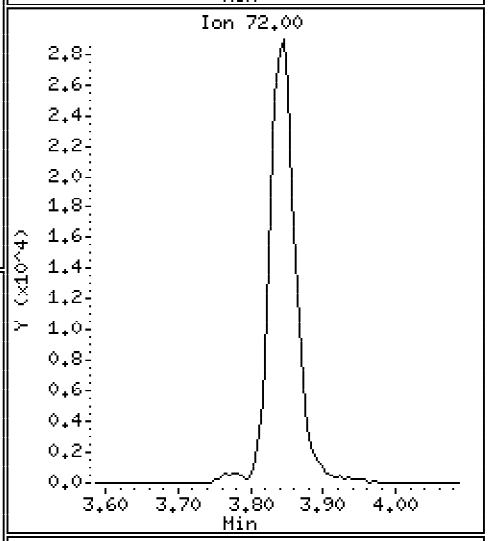
Column phase: DB-624 Column diameter: 0.18

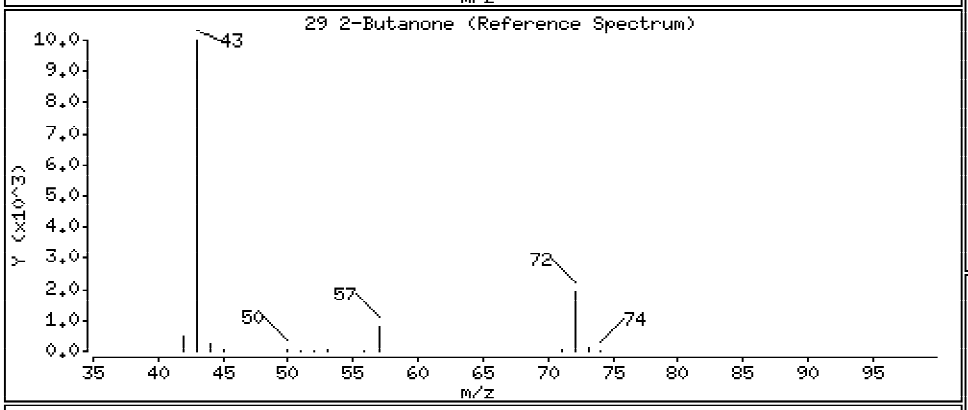
29 2-Butanone Concentration: 239 ppb

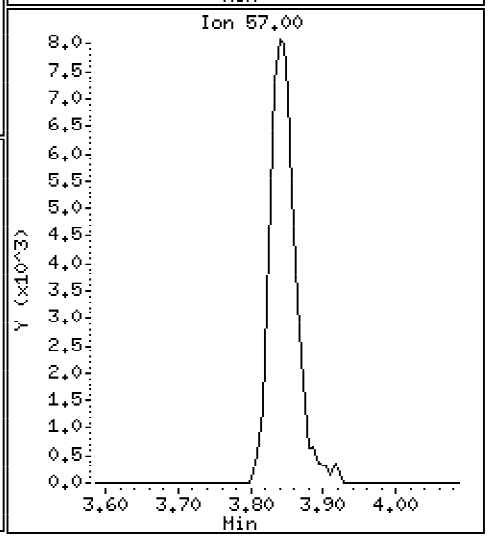


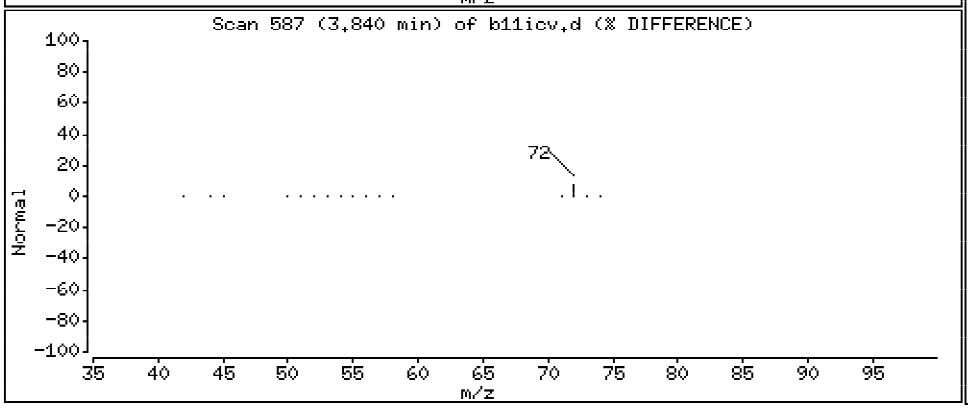












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 34

Date : 10-JAN-2014 21:40

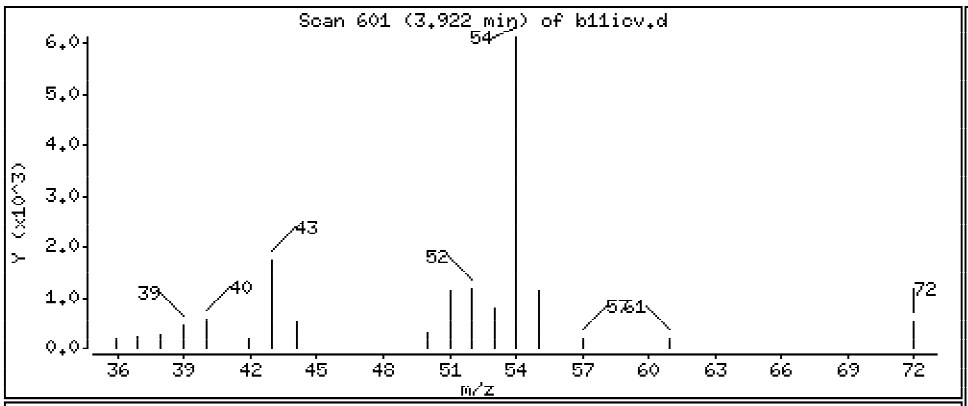
Client ID: 8260-ICV Instrument: 50mv4b.i

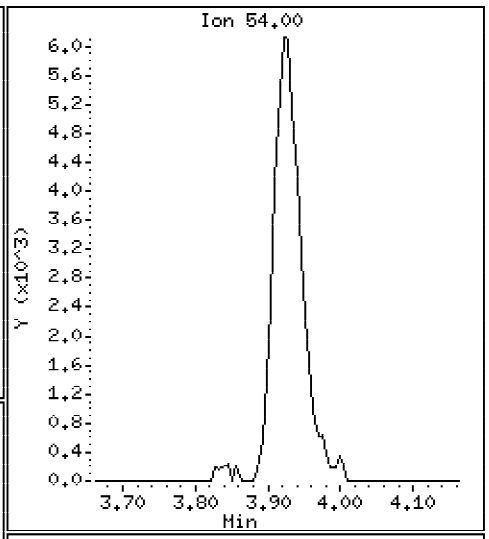
Sample Info: 8260-ICV,59989:0

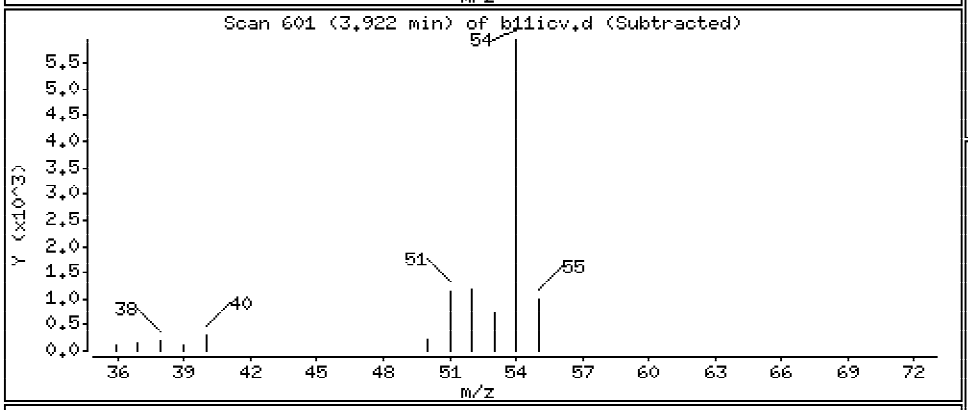
Purge Volume: 5.0 Operator: rsw

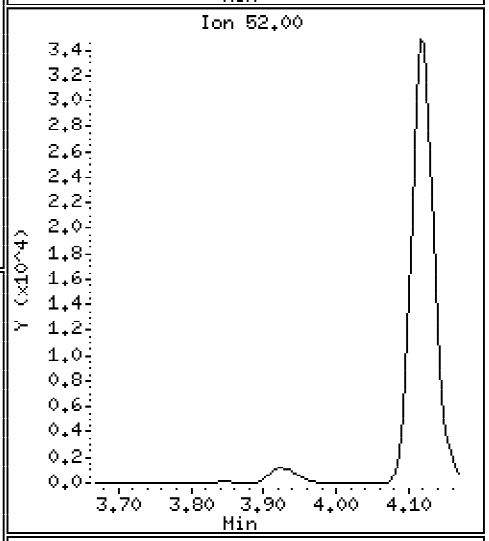
Column phase: DB-624 Column diameter: 0.18

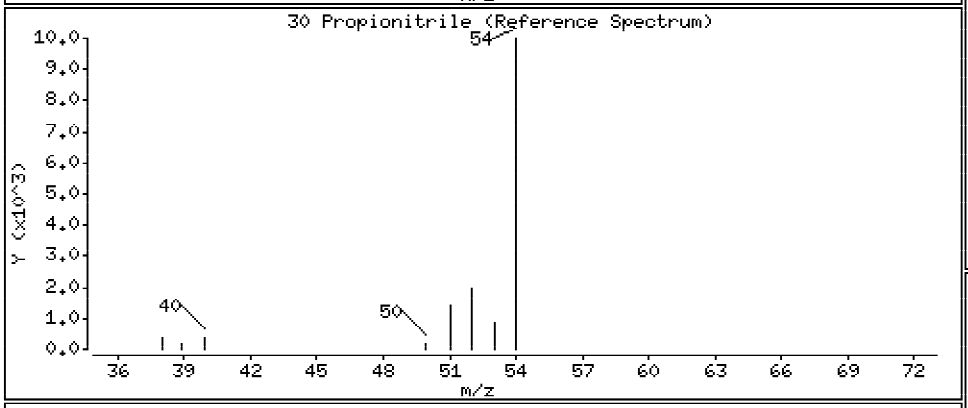
30 Propionitrile Concentration: 44.8 ppb

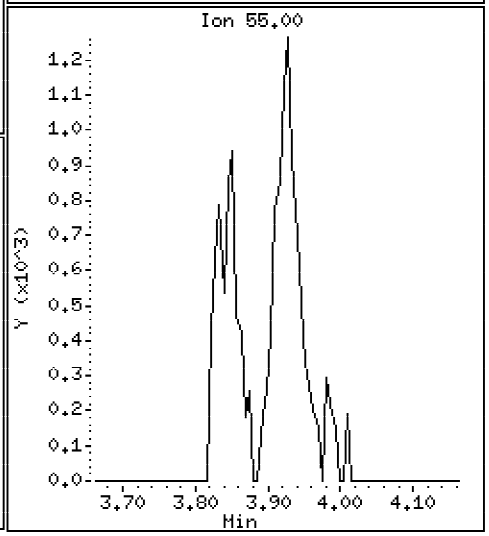


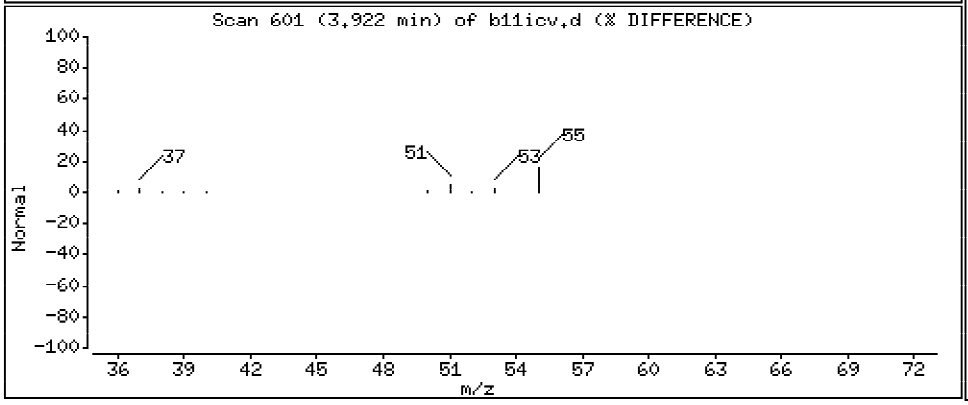












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 35

Date : 10-JAN-2014 21:40

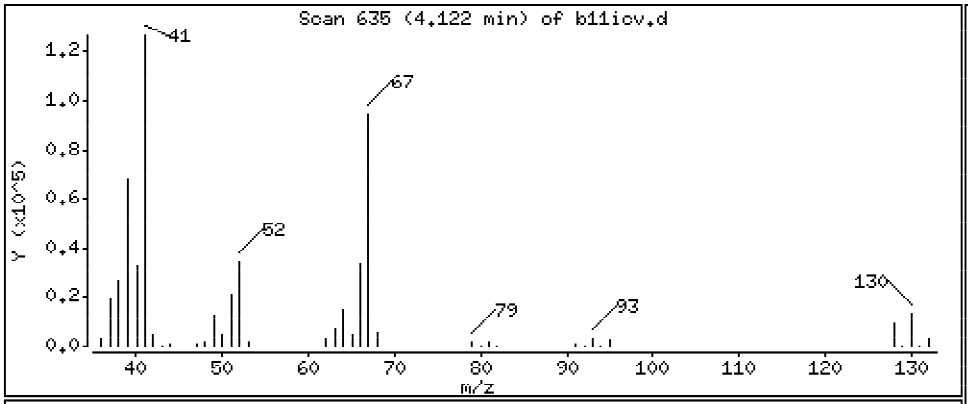
Client ID: 8260-ICV Instrument: 50mv4b.i

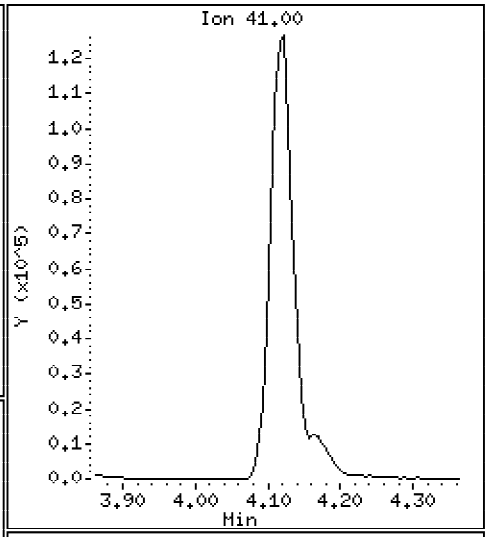
Sample Info: 8260-ICV,59989:0

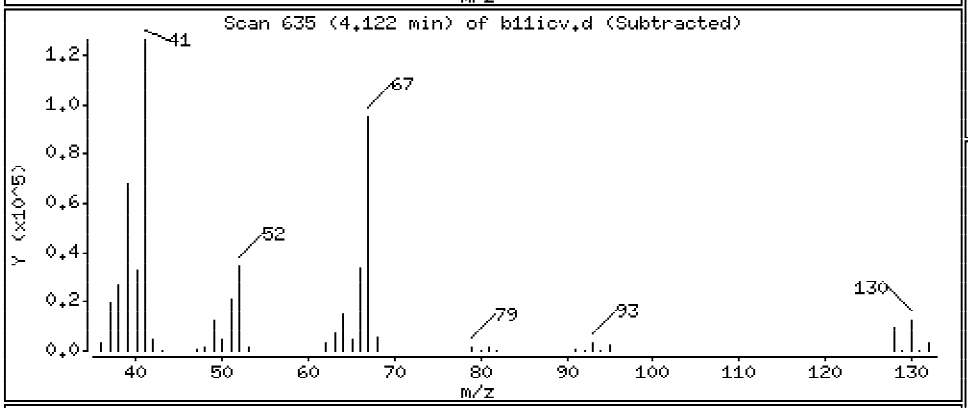
Purge Volume: 5.0 Operator: rsw

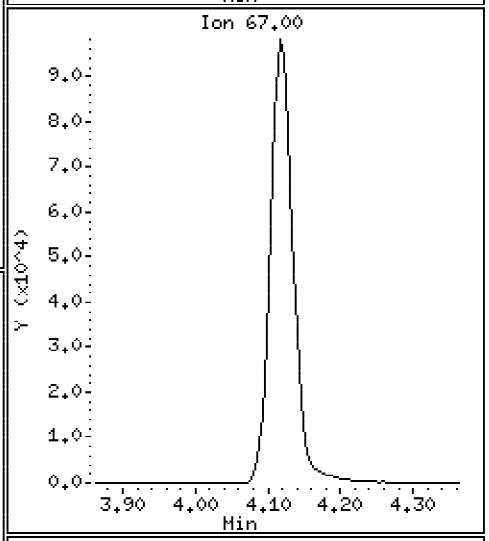
Column phase: DB-624 Column diameter: 0.18

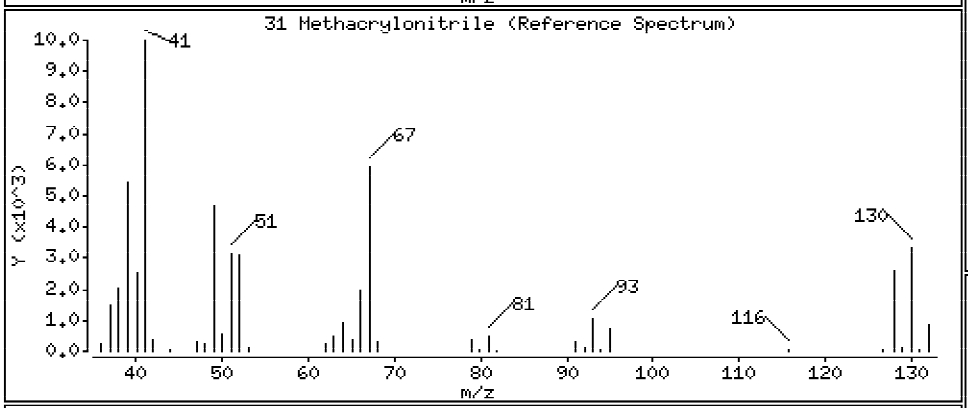
31 Methacrylonitrile Concentration: 175 ppb

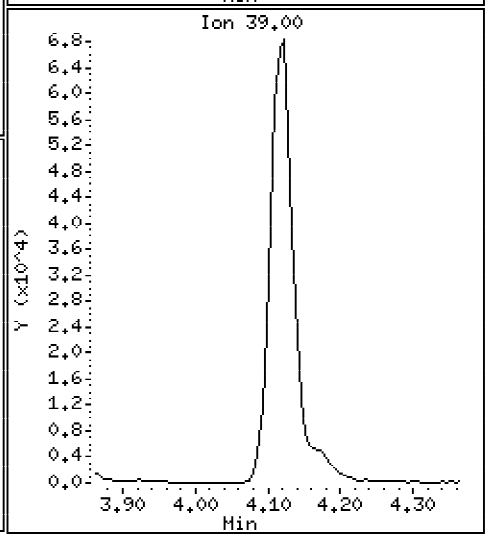


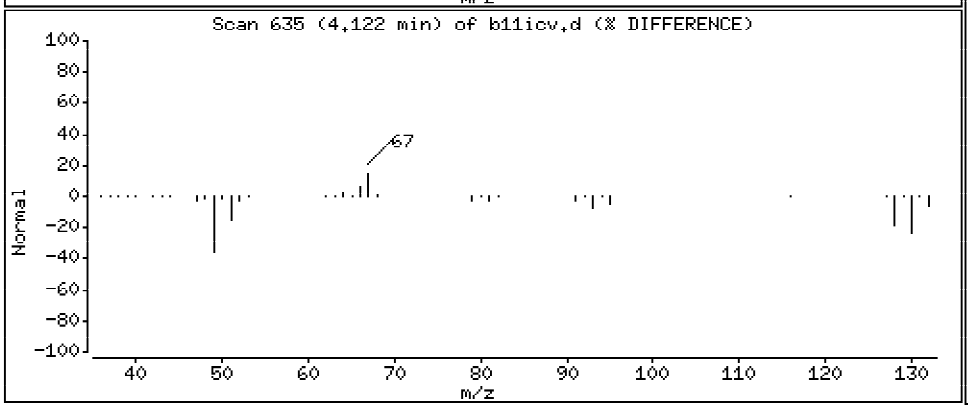












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 36

Date : 10-JAN-2014 21:40

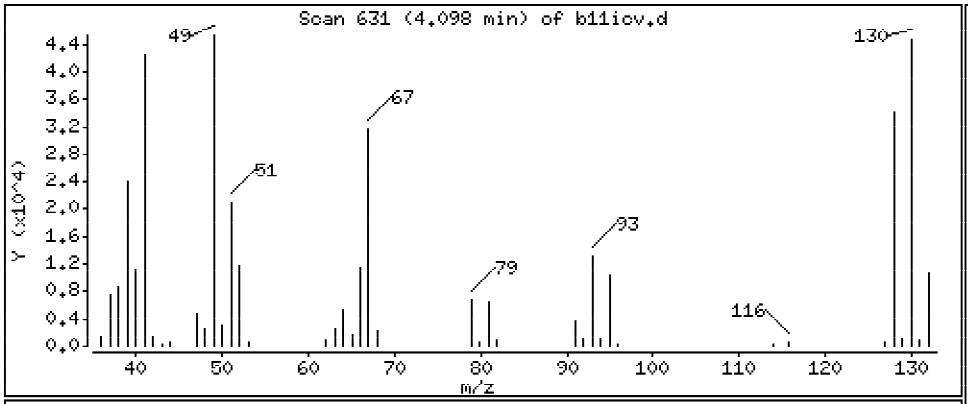
Client ID: 8260-ICV Instrument: 50mv4b.i

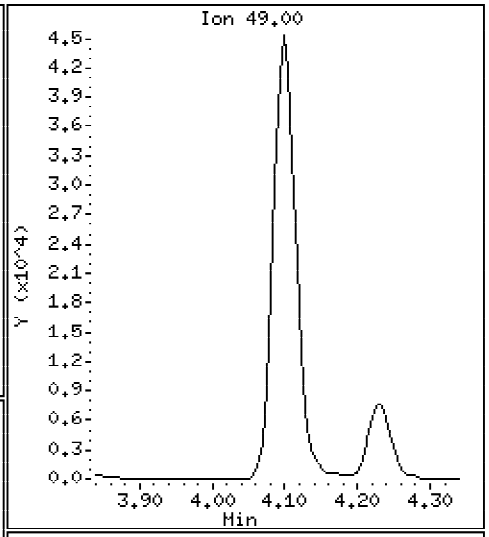
Sample Info: 8260-ICV,59989:0

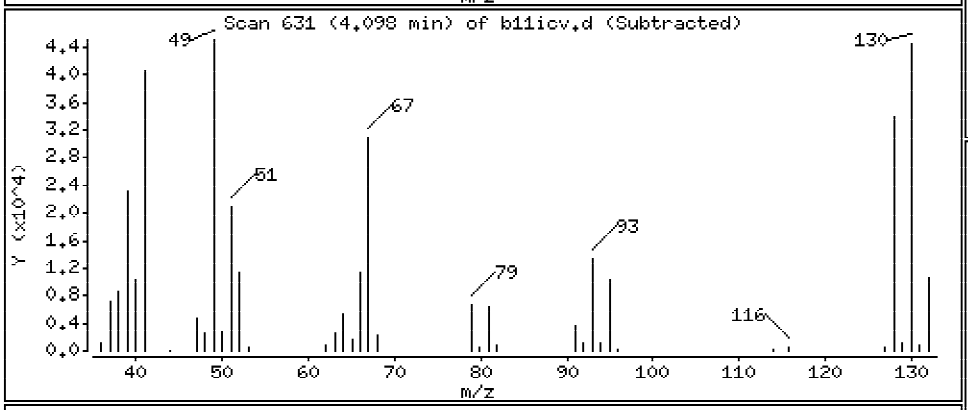
Purge Volume: 5.0 Operator: rsw

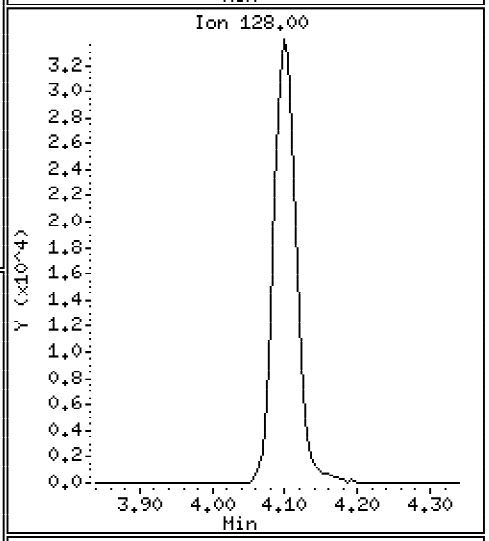
Column phase: DB-624 Column diameter: 0.18

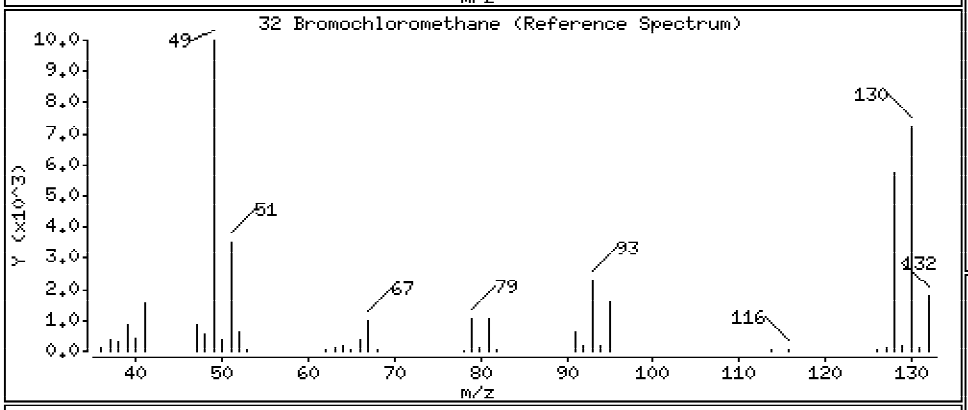
32 Bromochloromethane Concentration: 47.2 ppb

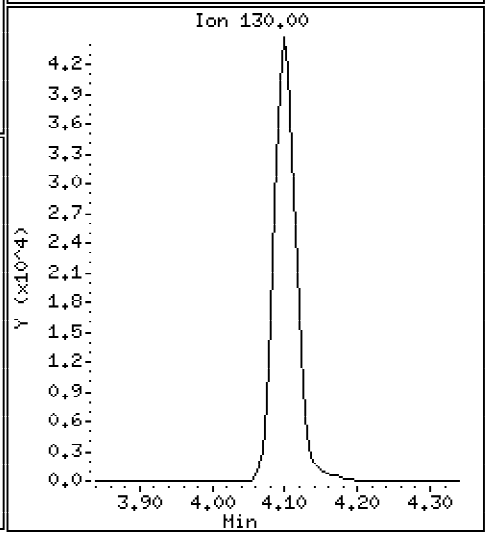


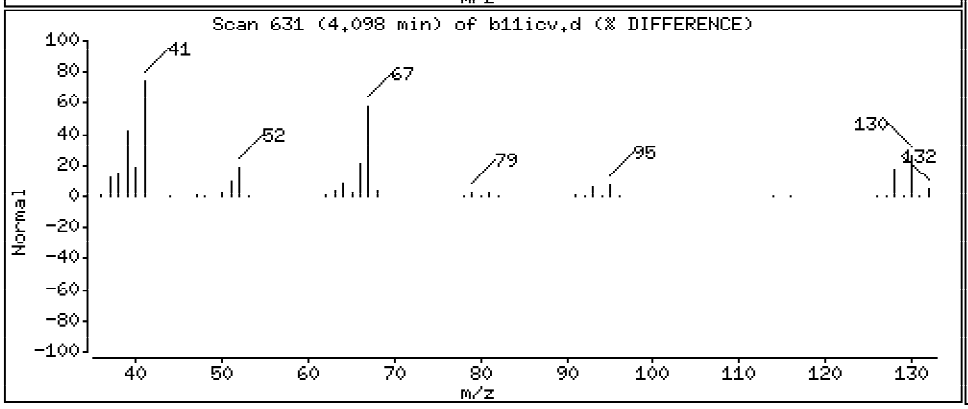












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 37

Date : 10-JAN-2014 21:40

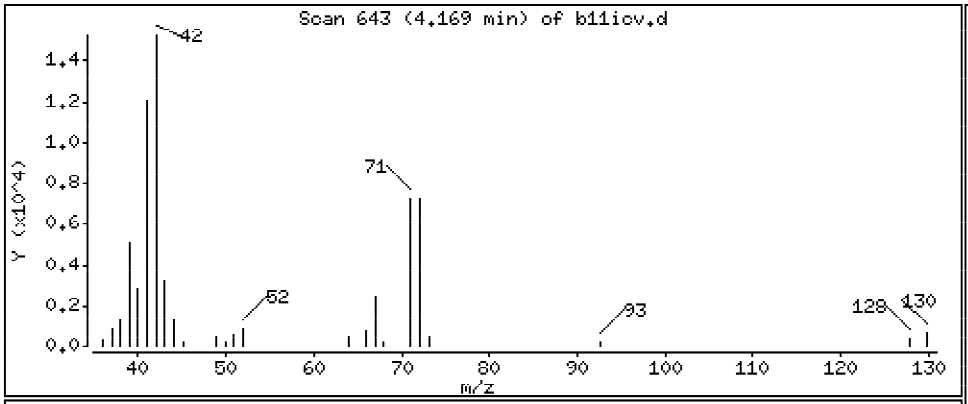
Client ID: 8260-ICV Instrument: 50mv4b.i

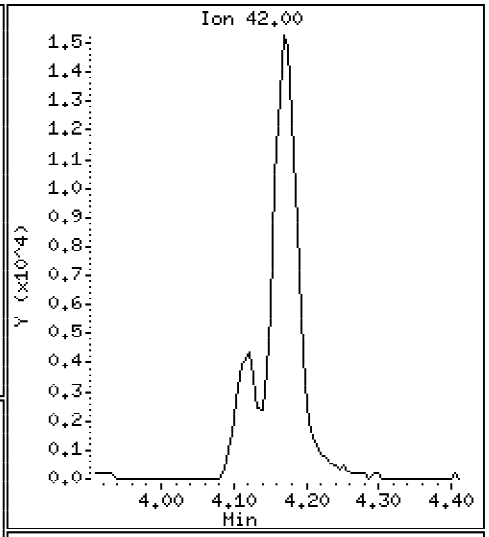
Sample Info: 8260-ICV,59989:0

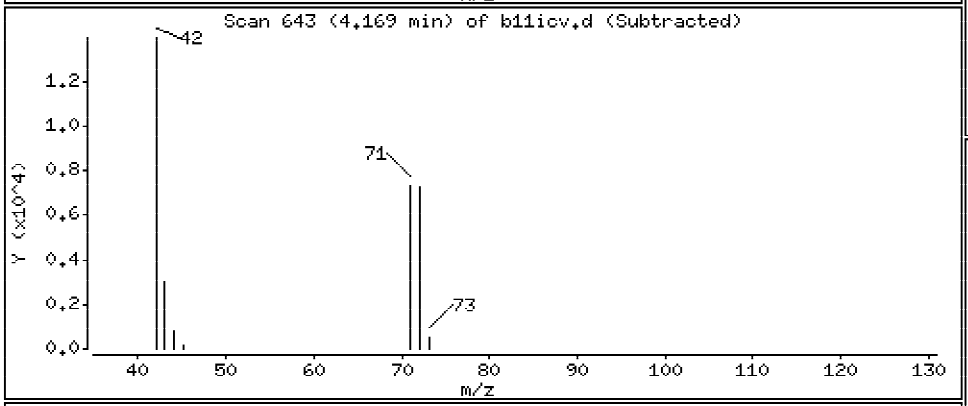
Purge Volume: 5.0 Operator: rsw

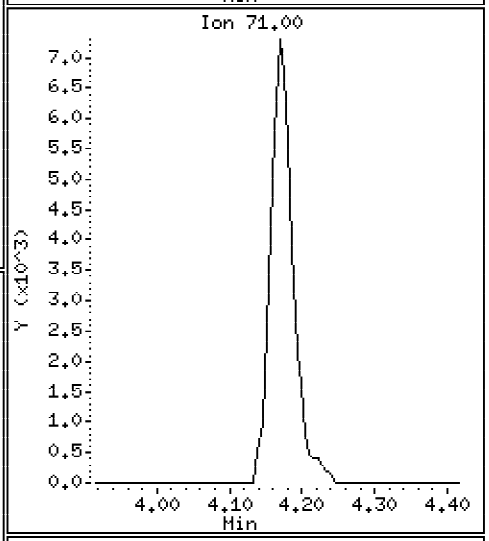
Column phase: DB-624 Column diameter: 0.18

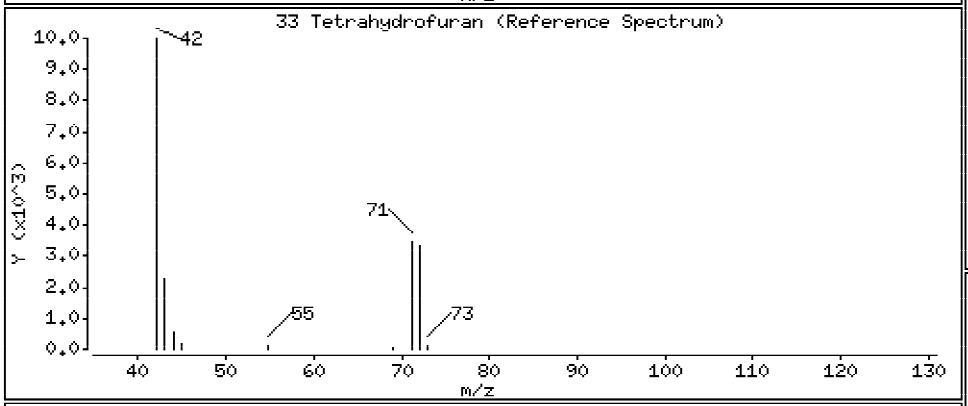
33 Tetrahydrofuran Concentration: 14.9 ppb

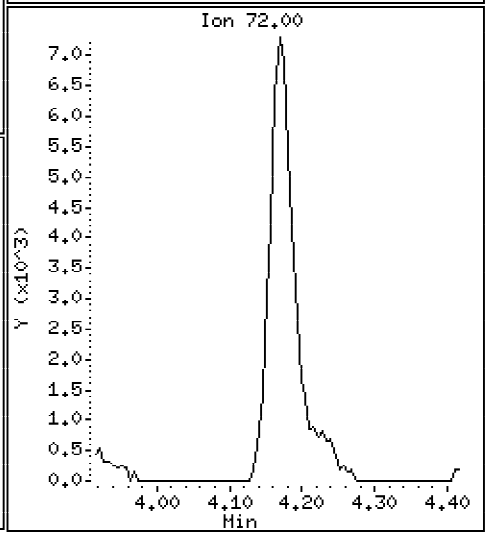


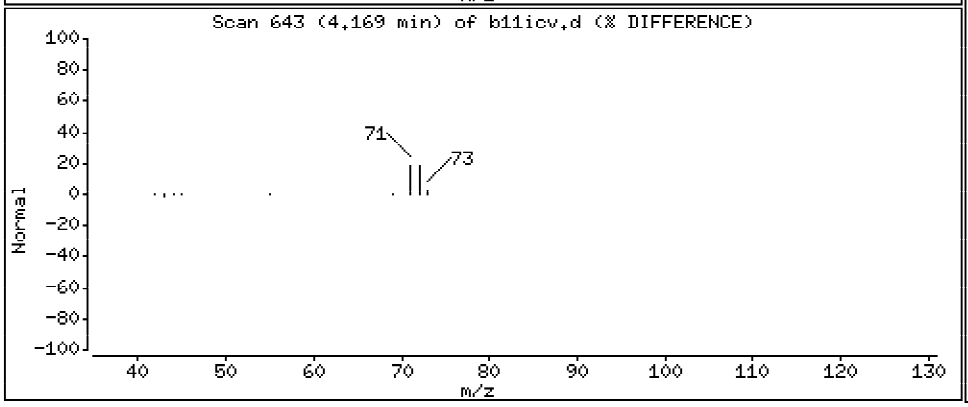












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 38

Date : 10-JAN-2014 21:40

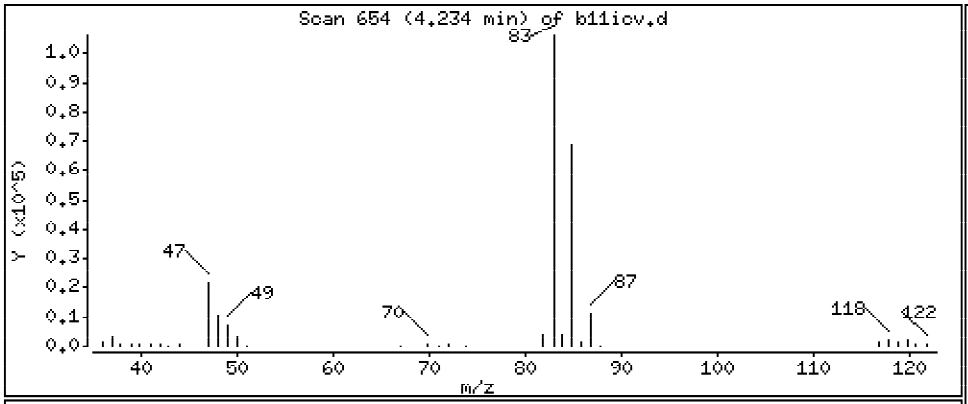
Client ID: 8260-ICV Instrument: 50mv4b.i

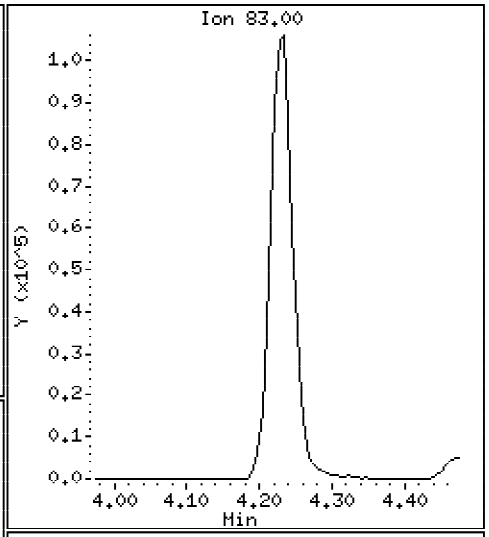
Sample Info: 8260-ICV,59989:0

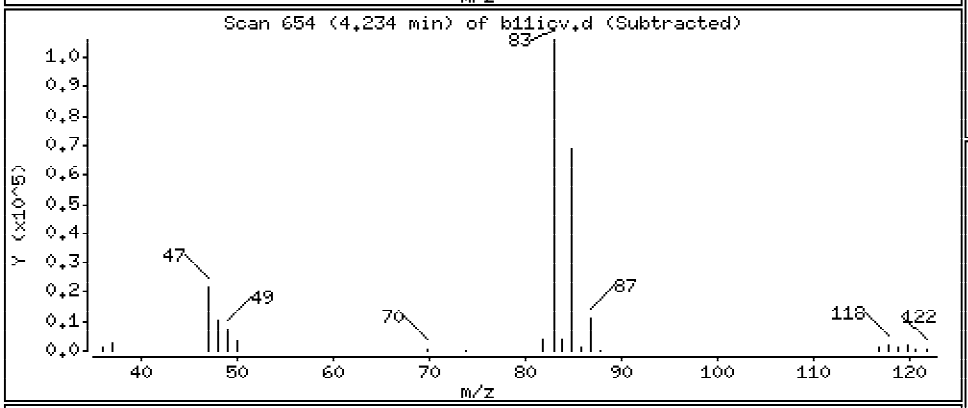
Purge Volume: 5.0 Operator: rsw

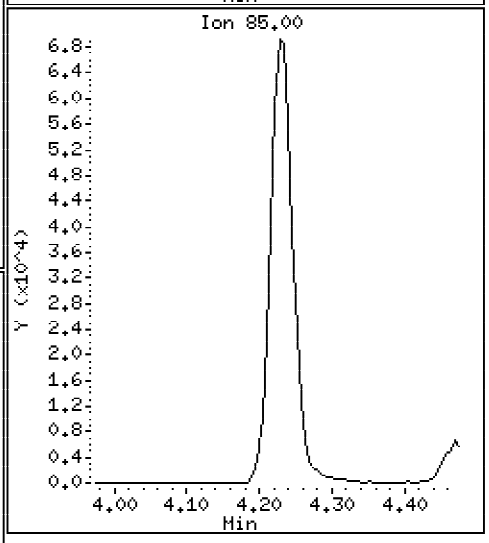
Column phase: DB-624 Column diameter: 0.18

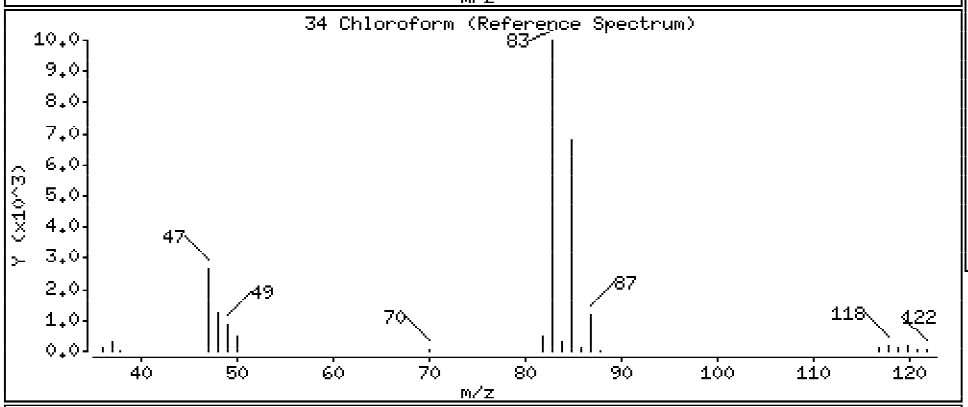
34 Chloroform Concentration: 47.8 ppb

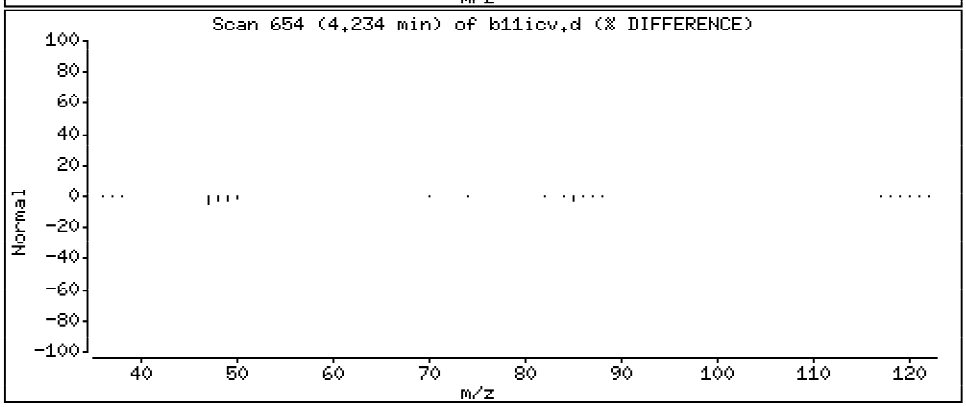












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 39

Date : 10-JAN-2014 21:40

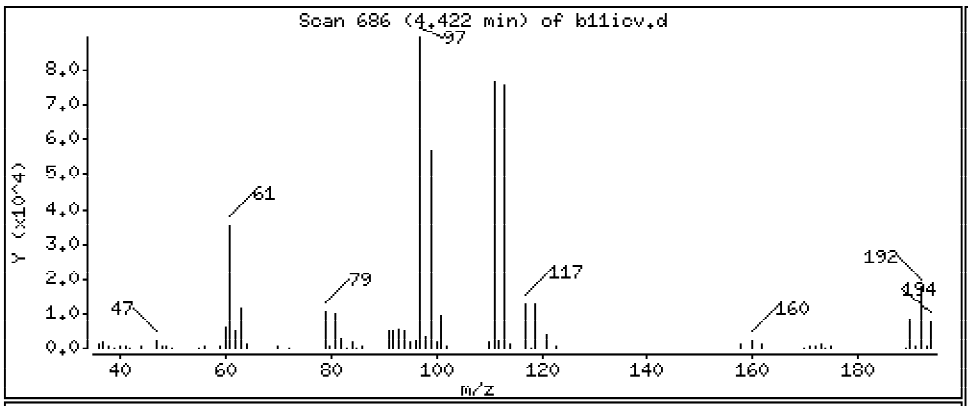
Client ID: 8260-ICV Instrument: 50mv4b.i

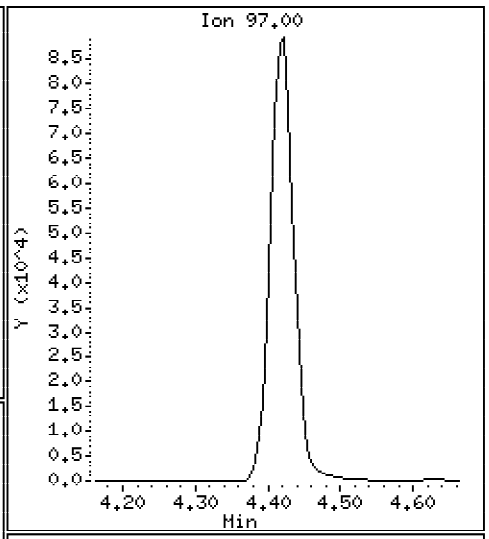
Sample Info: 8260-ICV,59989:0

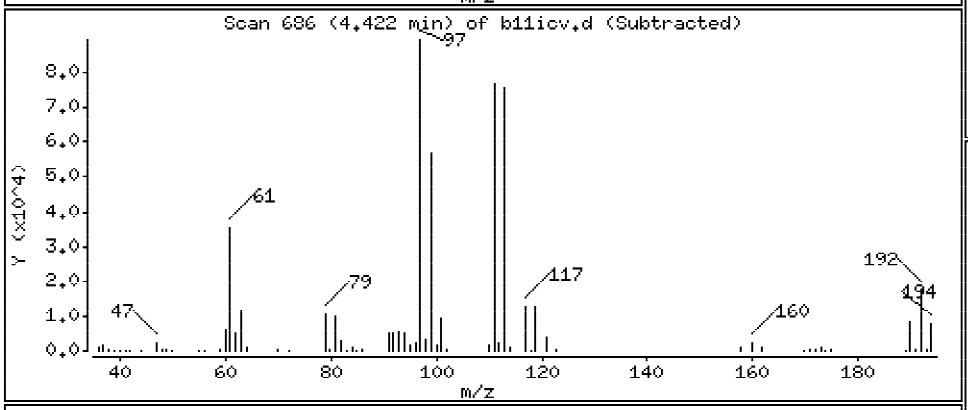
Purge Volume: 5.0 Operator: rsw

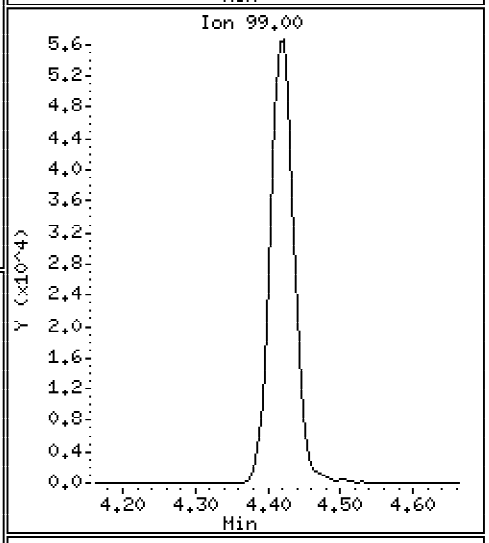
Column phase: DB-624 Column diameter: 0.18

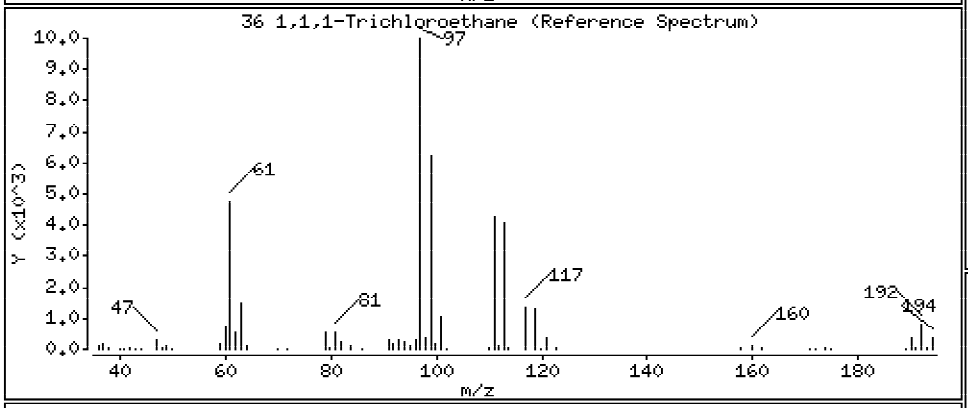
36 1,1,1-Trichloroethane Concentration: 48.4 ppb

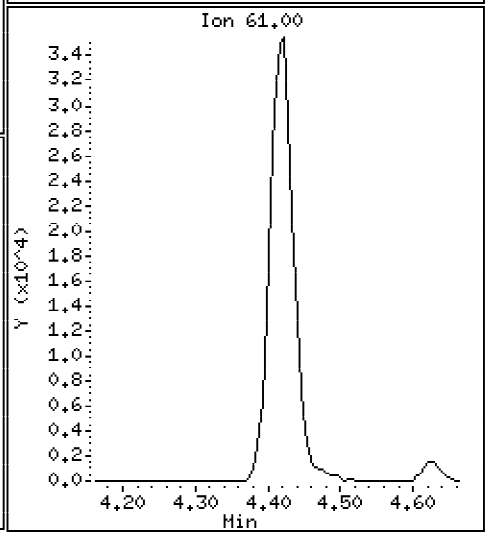


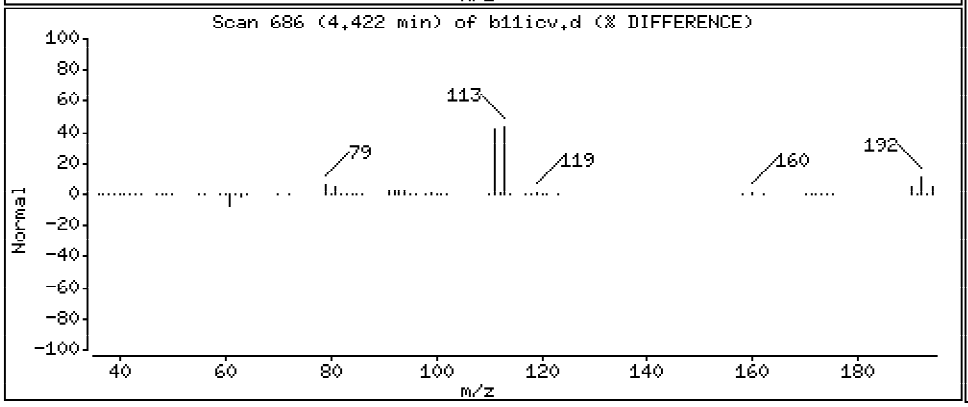












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 40

Date : 10-JAN-2014 21:40

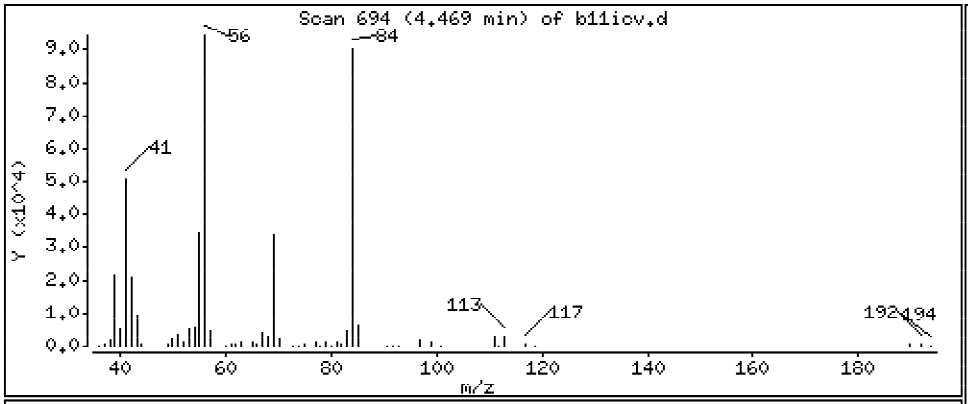
Client ID: 8260-ICV Instrument: 50mv4b.i

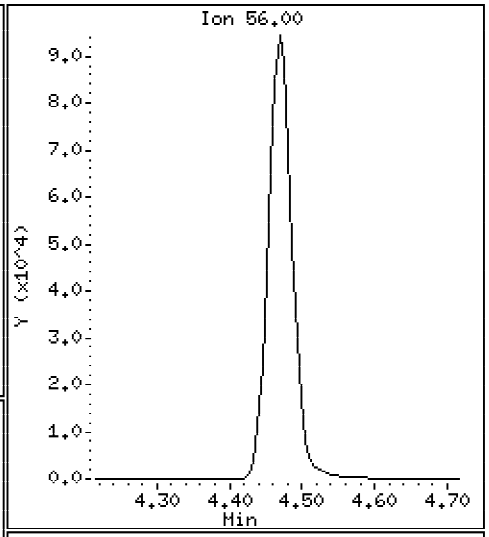
Sample Info: 8260-ICV,59989:0

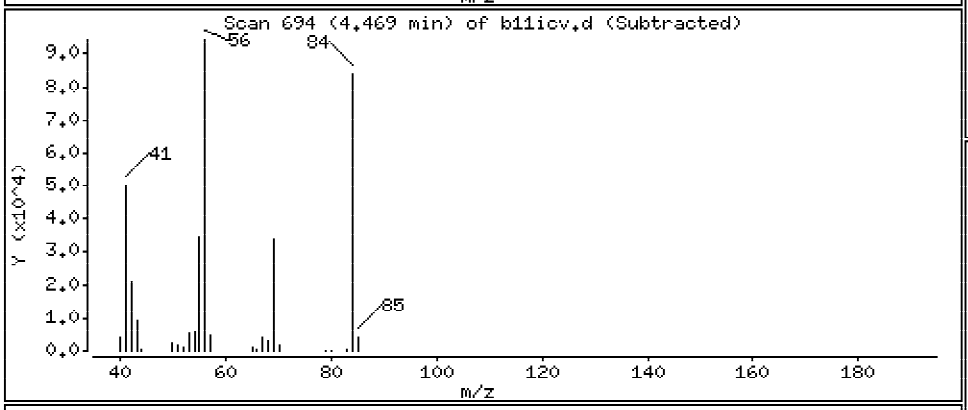
Purge Volume: 5.0 Operator: rsw

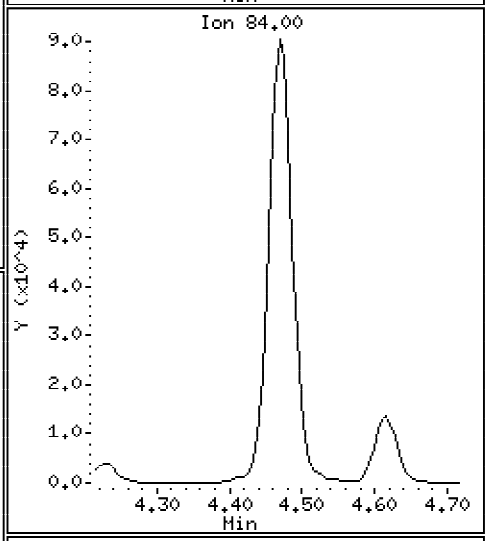
Column phase: DB-624 Column diameter: 0.18

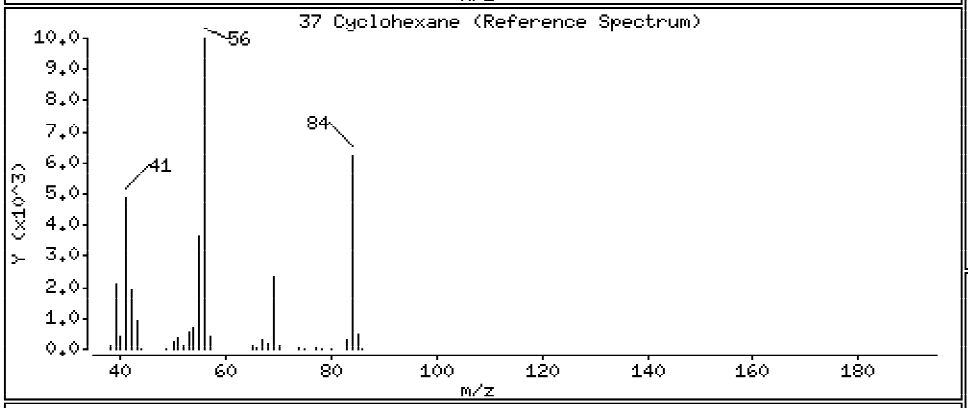
37 Cyclohexane Concentration: 58.7 ppb

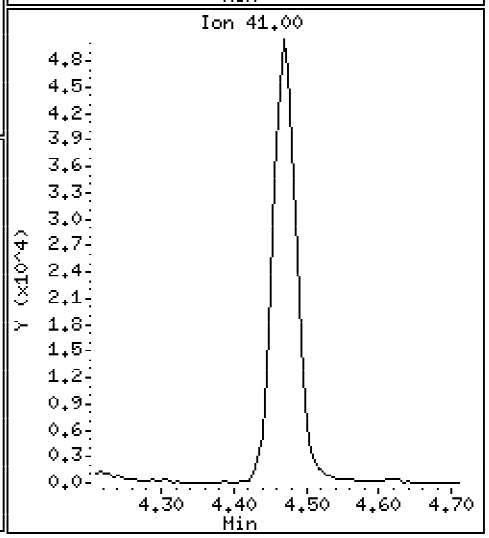


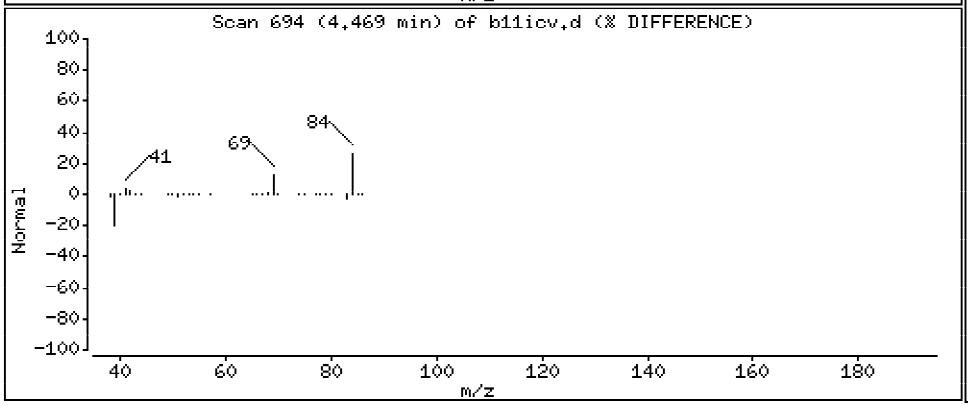












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 41

Date : 10-JAN-2014 21:40

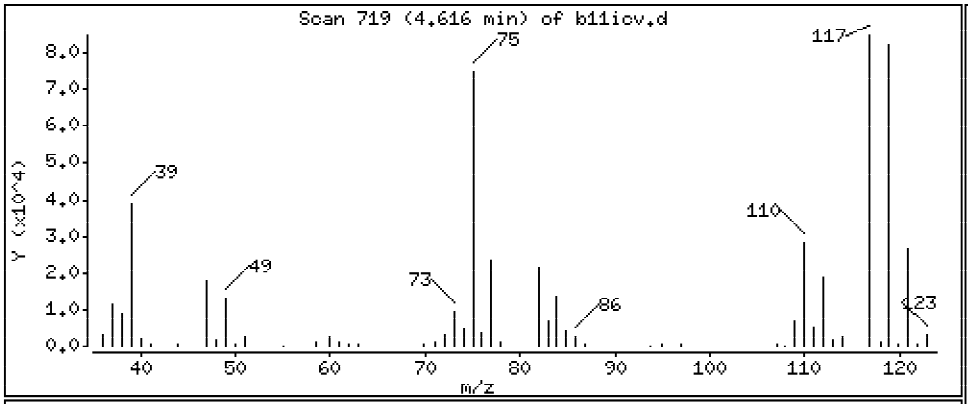
Client ID: 8260-ICV Instrument: 50mv4b.i

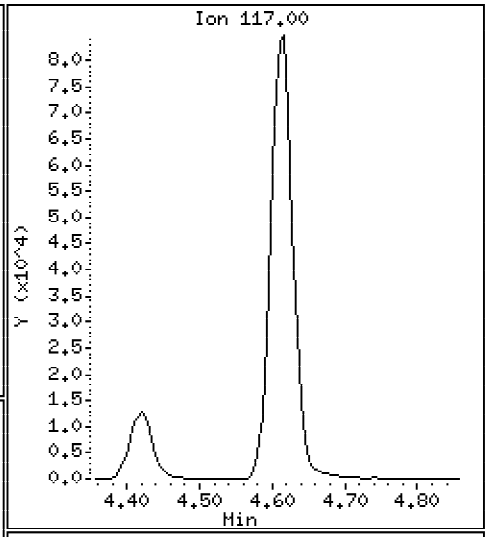
Sample Info: 8260-ICV,59989:0

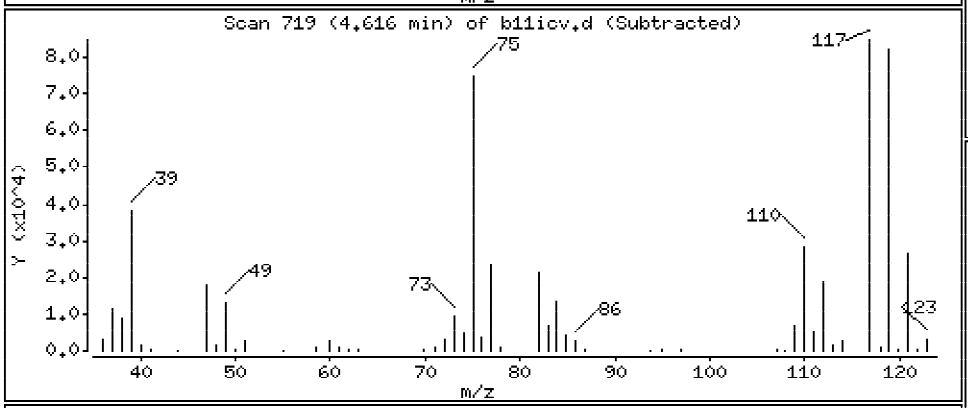
Purge Volume: 5.0 Operator: rsw

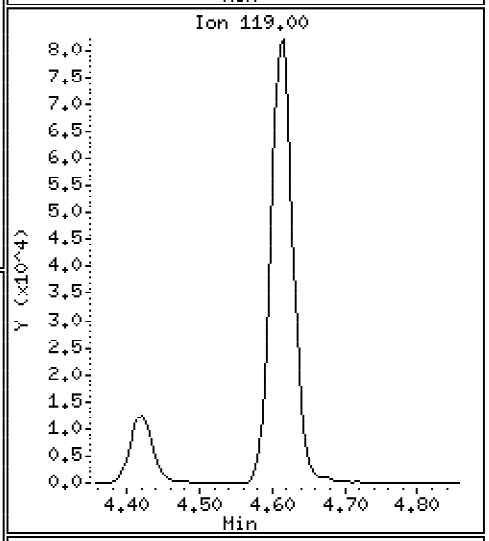
Column phase: DB-624 Column diameter: 0.18

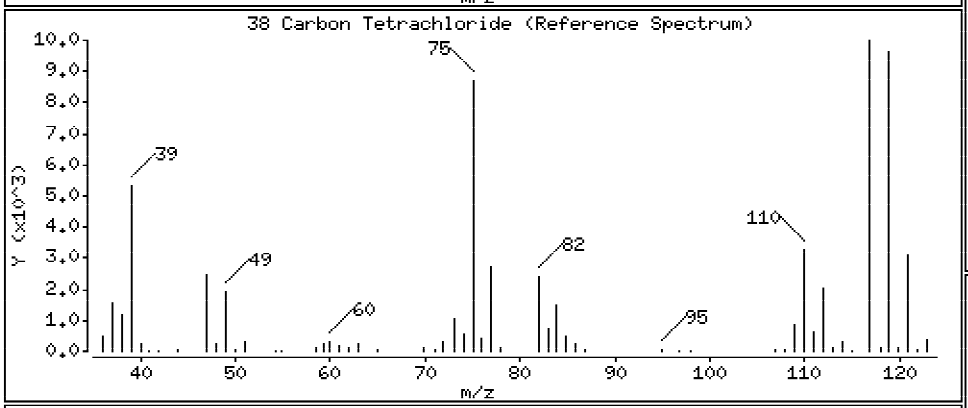
38 Carbon Tetrachloride Concentration: 52.8 ppb

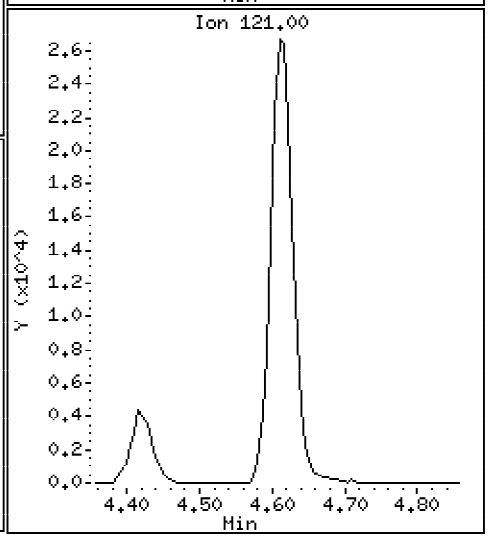


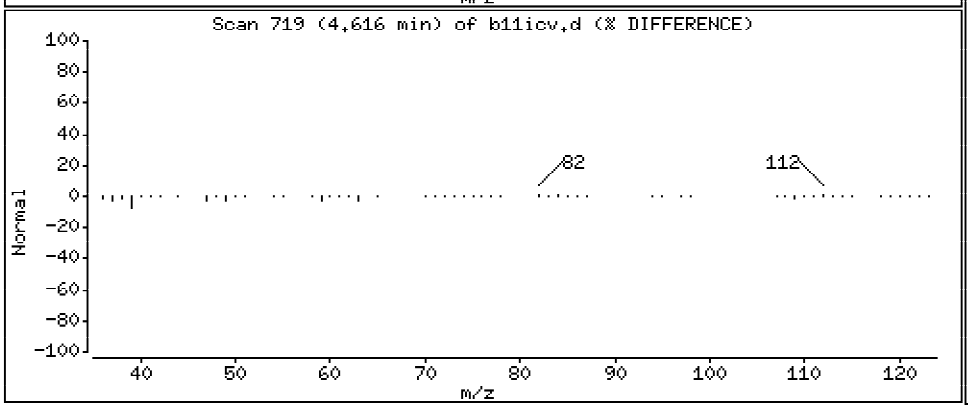












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 42

Date : 10-JAN-2014 21:40

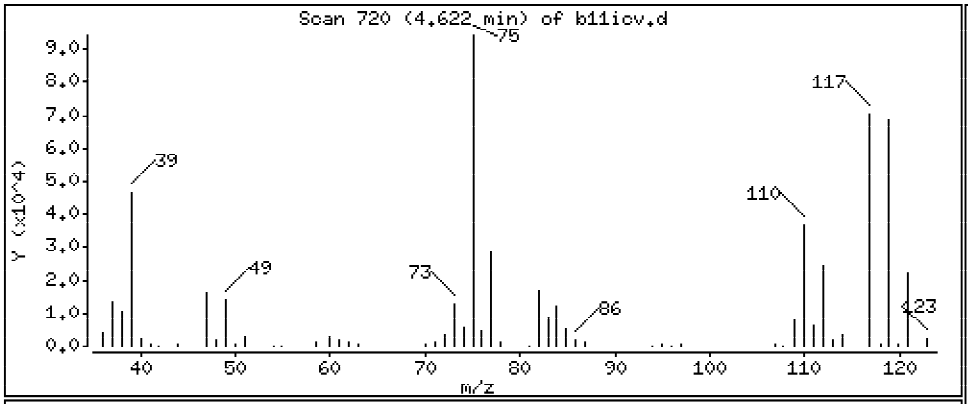
Client ID: 8260-ICV Instrument: 50mv4b.i

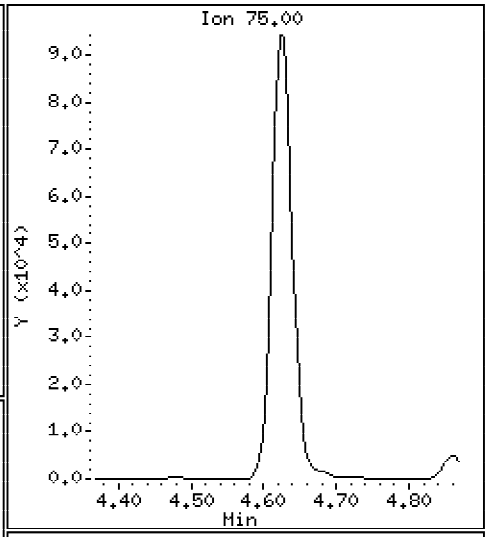
Sample Info: 8260-ICV,59989:0

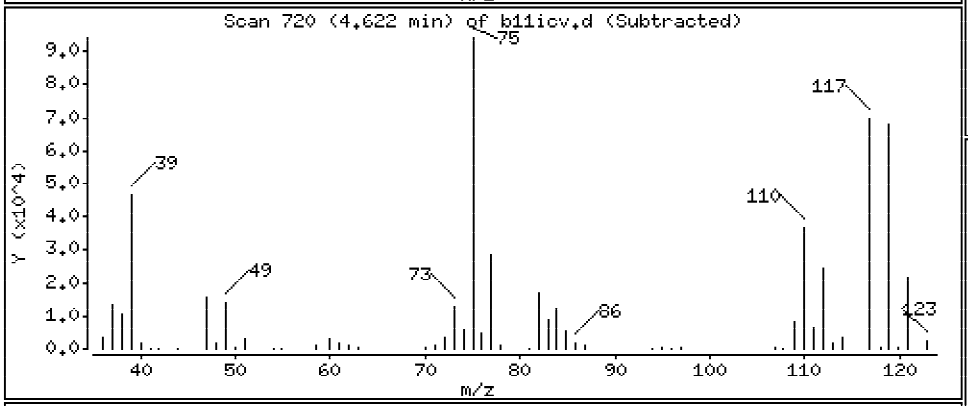
Purge Volume: 5.0 Operator: rsw

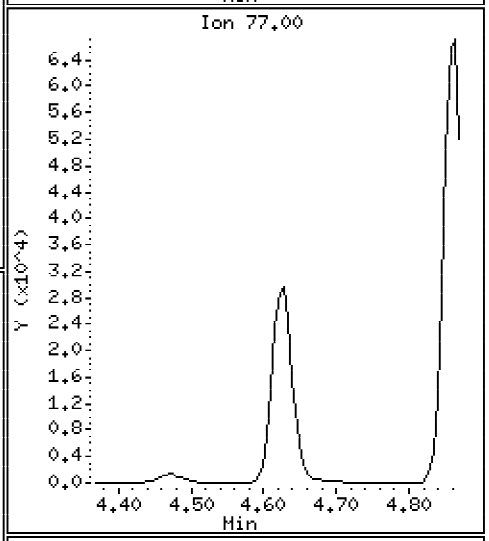
Column phase: DB-624 Column diameter: 0.18

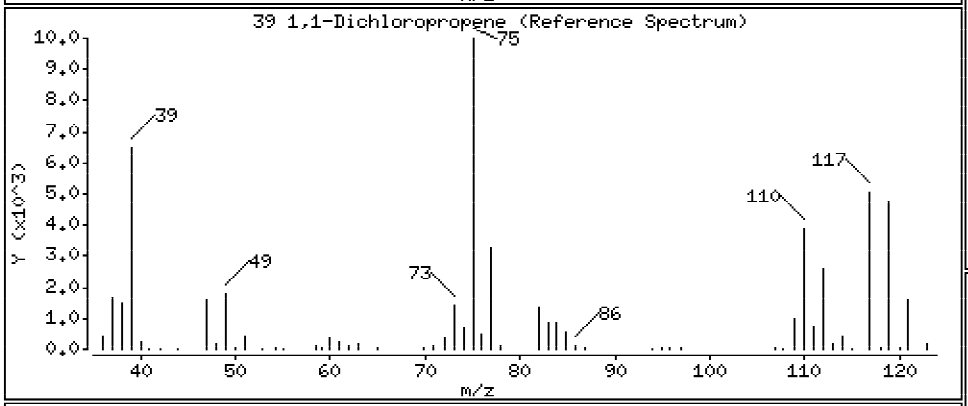
39 1,1-Dichloropropene Concentration: 47.7 ppb

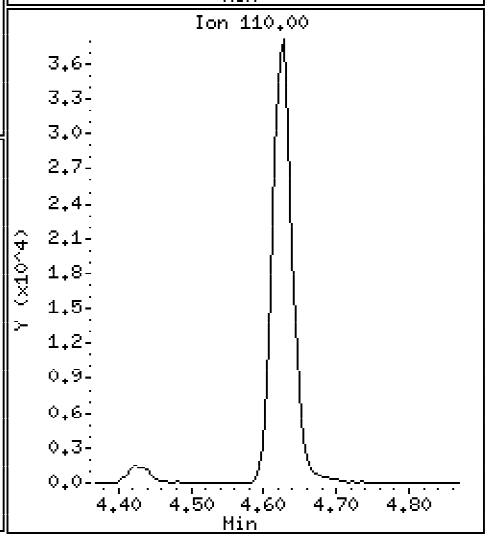


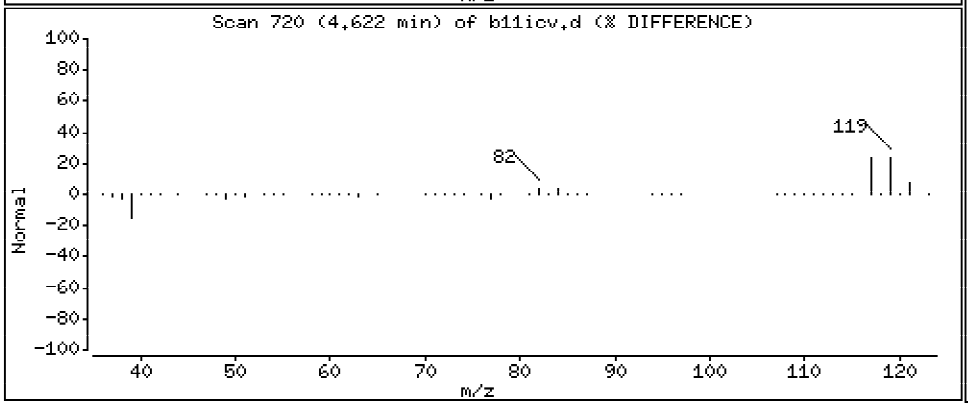












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 43

Date : 10-JAN-2014 21:40

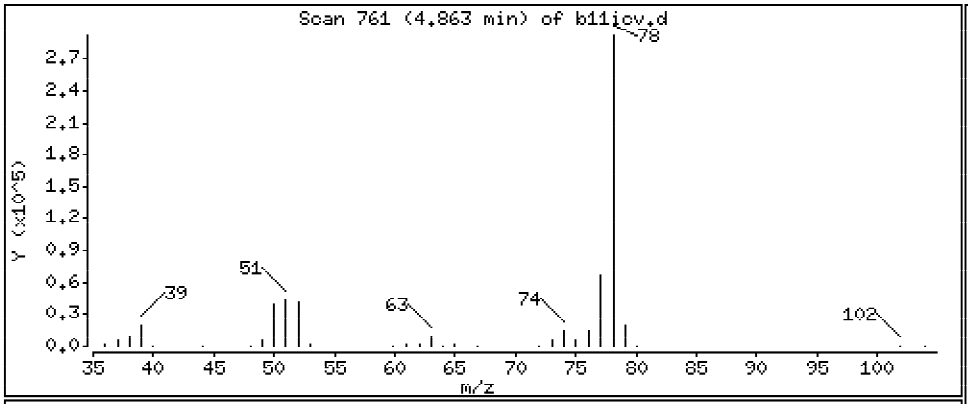
Client ID: 8260-ICV Instrument: 50mv4b.i

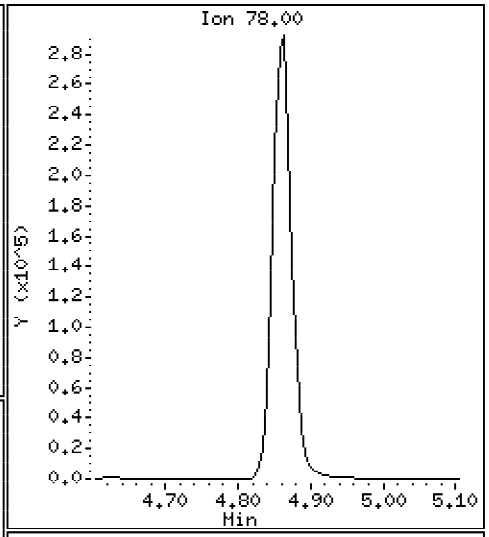
Sample Info: 8260-ICV,59989:0

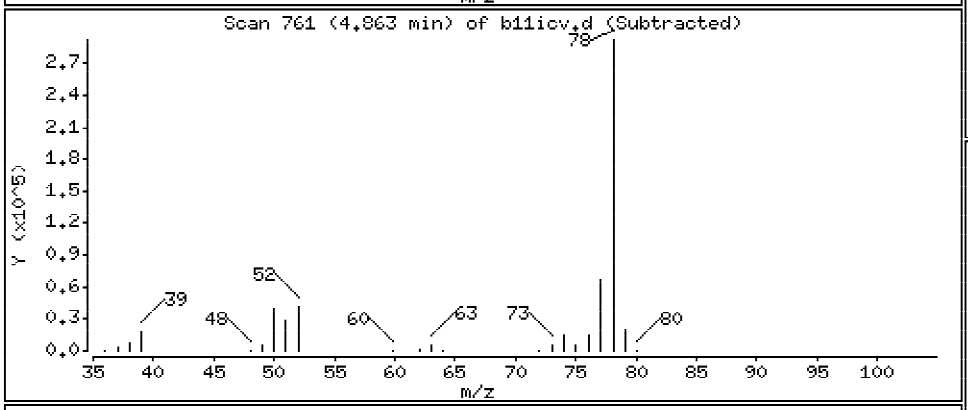
Purge Volume: 5.0 Operator: rsw

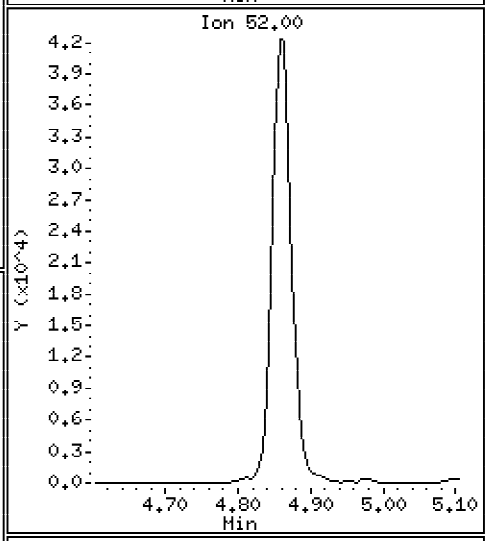
Column phase: DB-624 Column diameter: 0.18

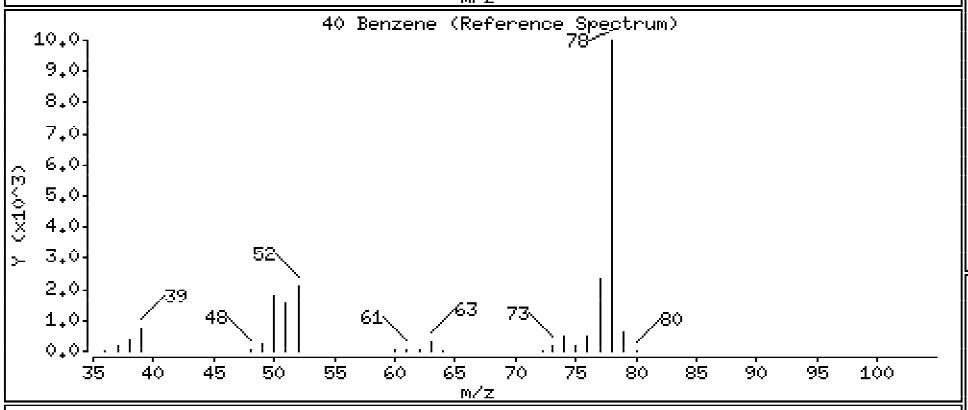
40 Benzene Concentration: 46.3 ppb

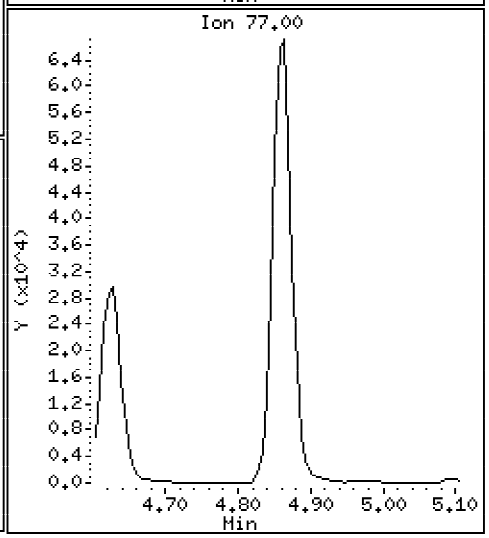


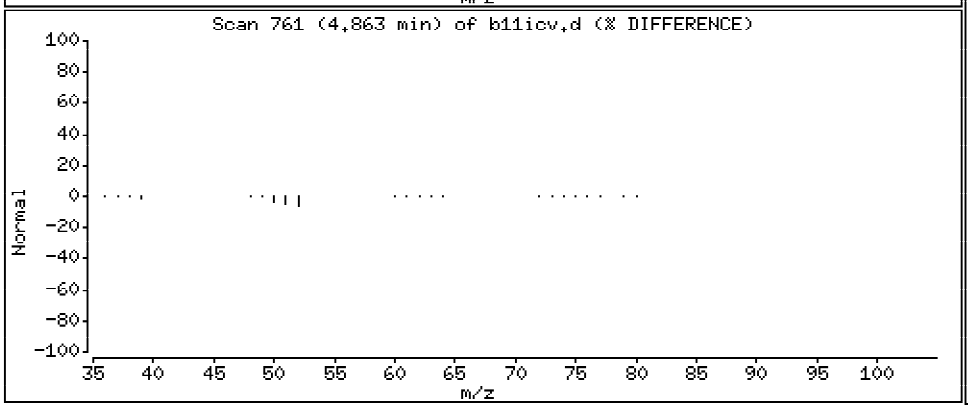












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 44

Date : 10-JAN-2014 21:40

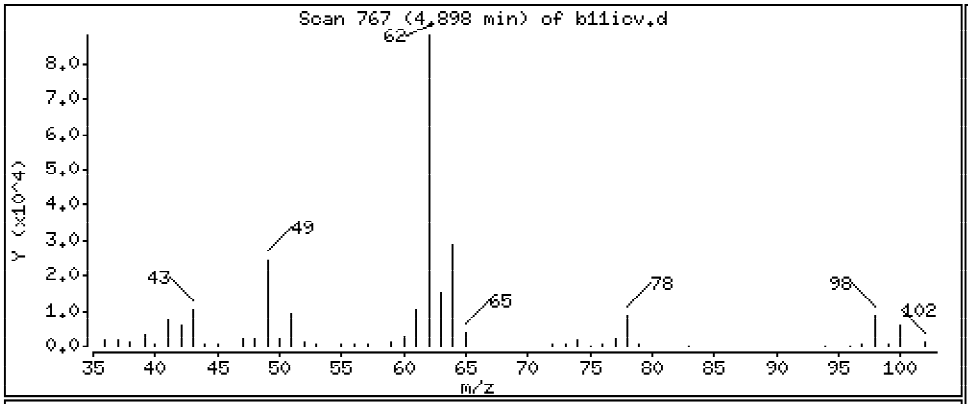
Client ID: 8260-ICV Instrument: 50mv4b.i

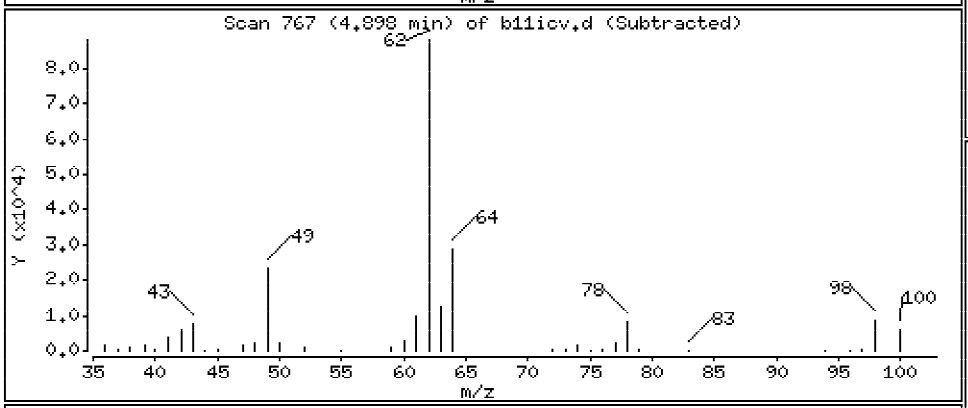
Sample Info: 8260-ICV,59989:0

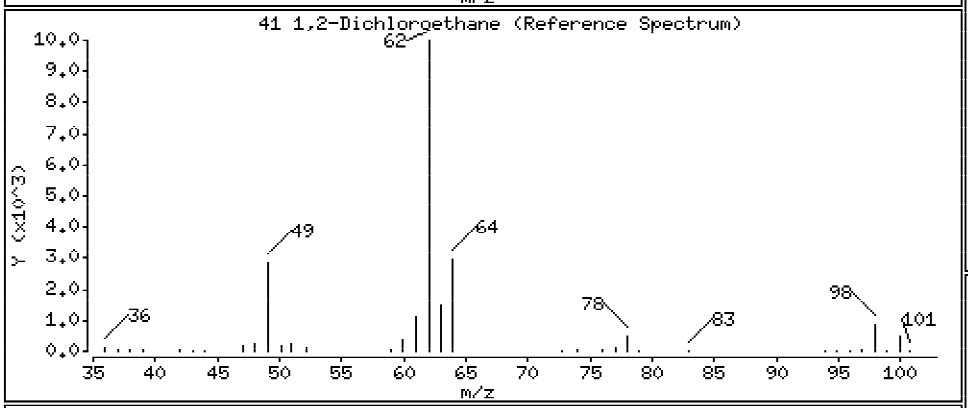
Purge Volume: 5.0 Operator: rsw

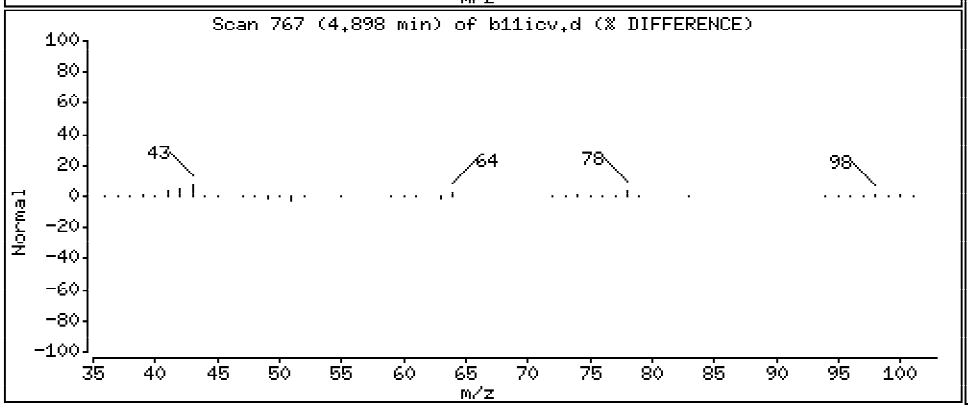
Column phase: DB-624 Column diameter: 0.18

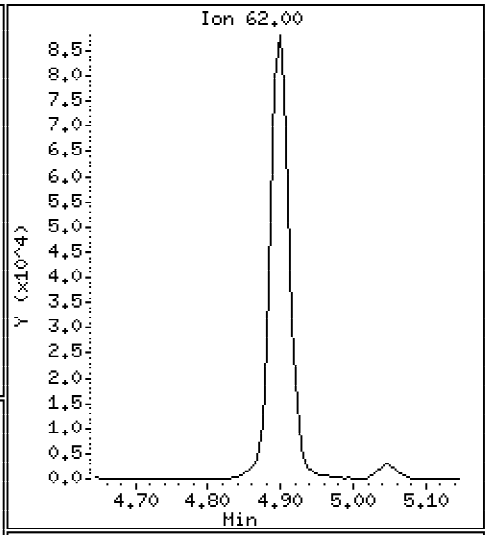
41 1,2-Dichloroethane Concentration: 45.4 ppb

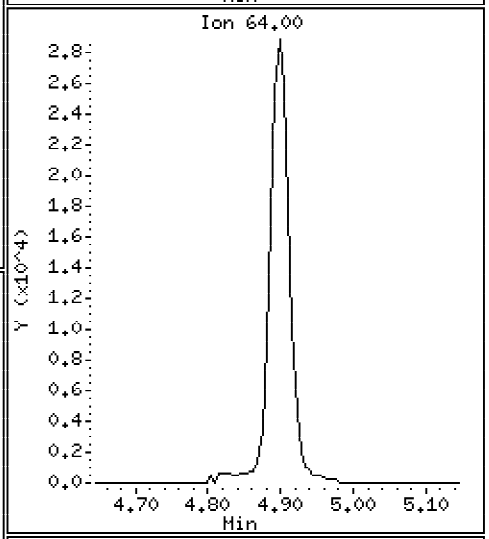


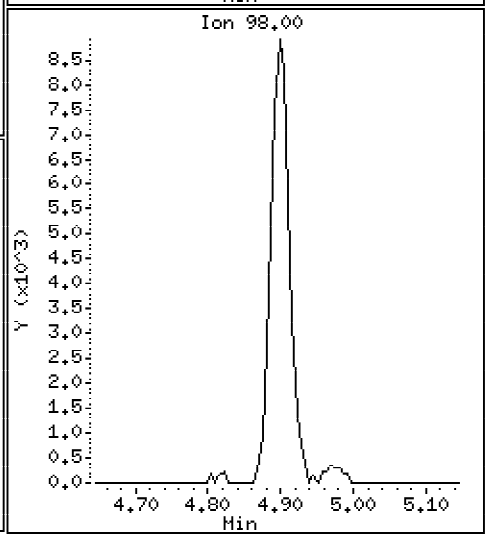












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 45

Date : 10-JAN-2014 21:40

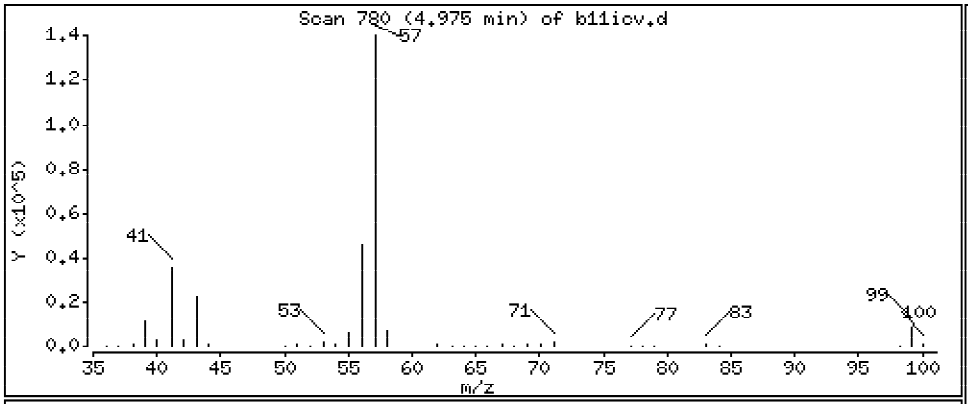
Client ID: 8260-ICV Instrument: 50mv4b.i

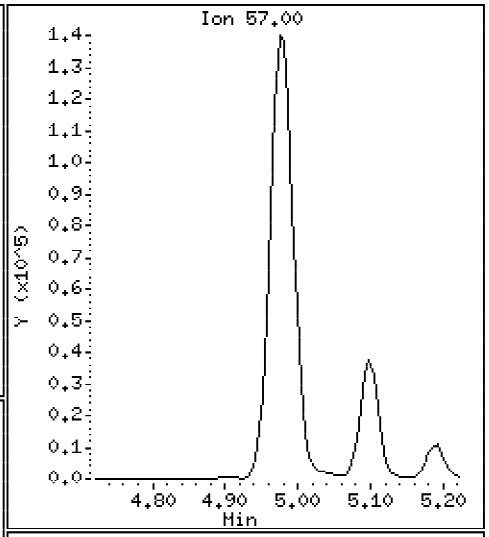
Sample Info: 8260-ICV,59989:0

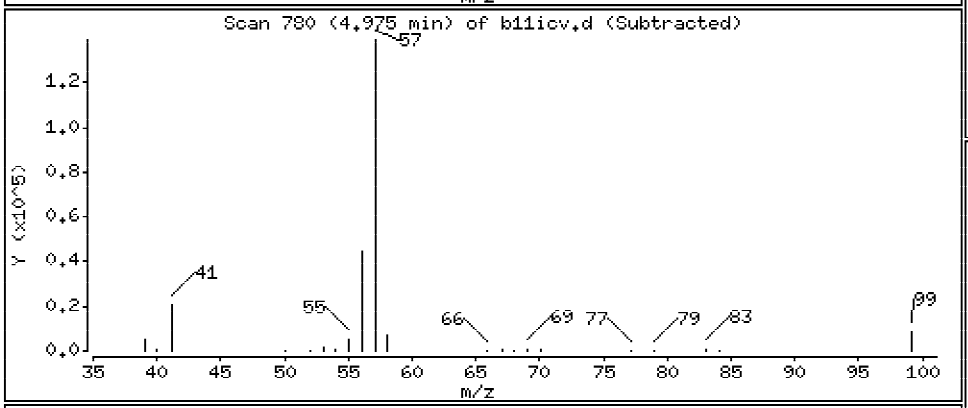
Purge Volume: 5.0 Operator: rsw

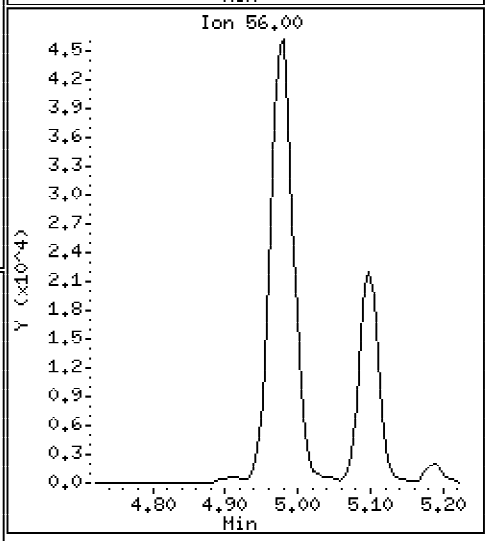
Column phase: DB-624 Column diameter: 0.18

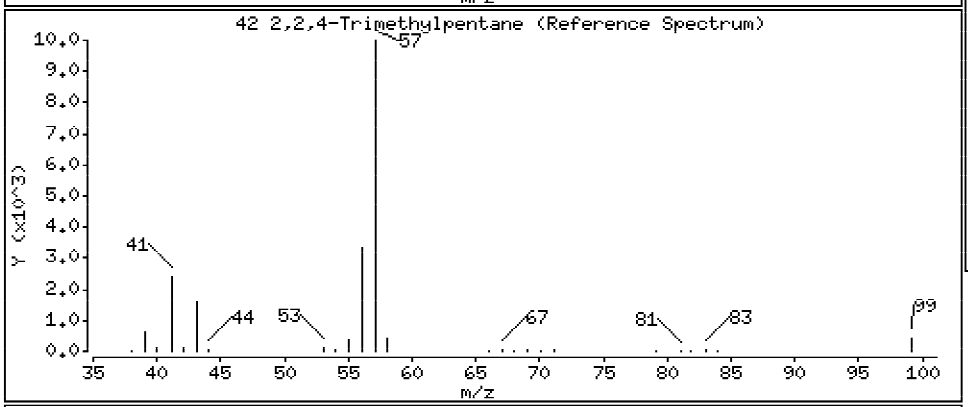
42 2,2,4-Trimethylpentane Concentration: 47.7 ppb

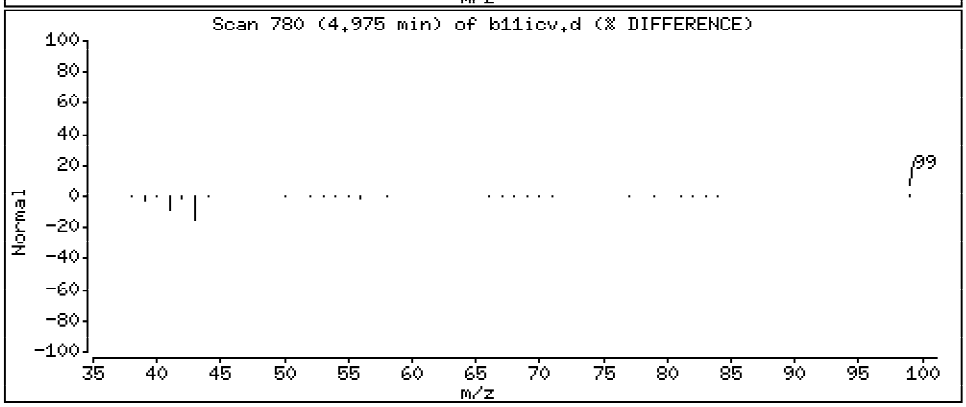












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 46

Date : 10-JAN-2014 21:40

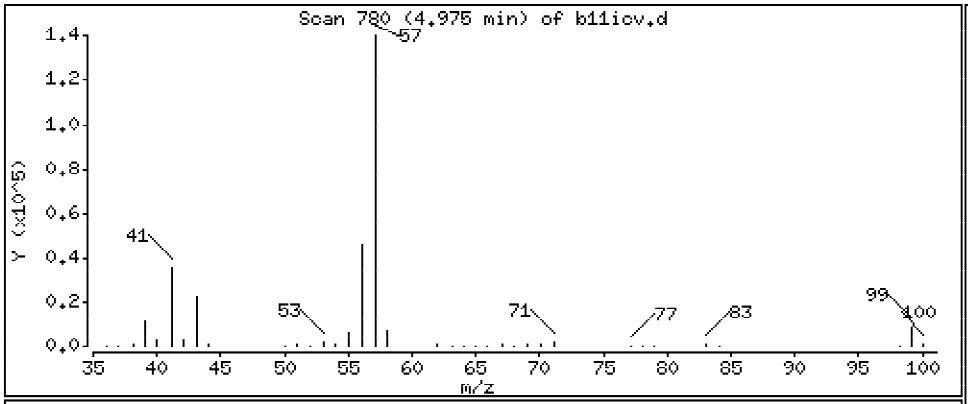
Client ID: 8260-ICV Instrument: 50mv4b.i

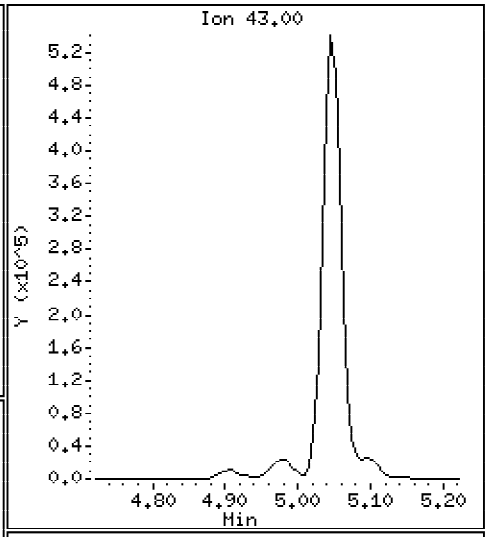
Sample Info: 8260-ICV,59989:0

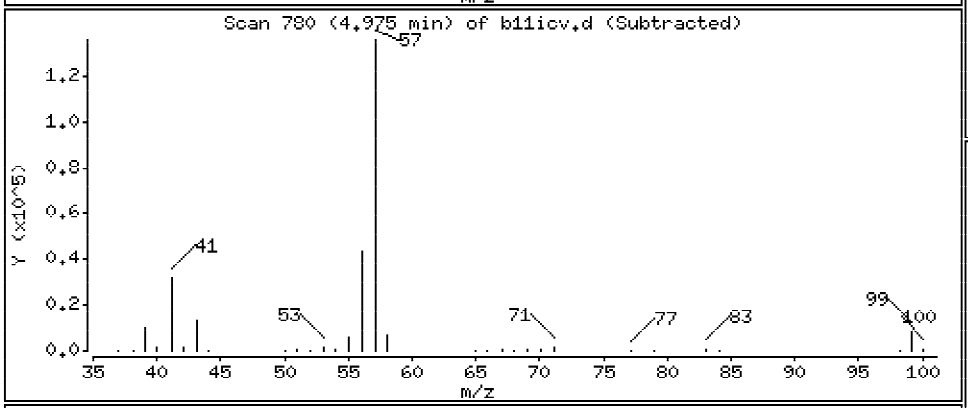
Purge Volume: 5.0 Operator: rsw

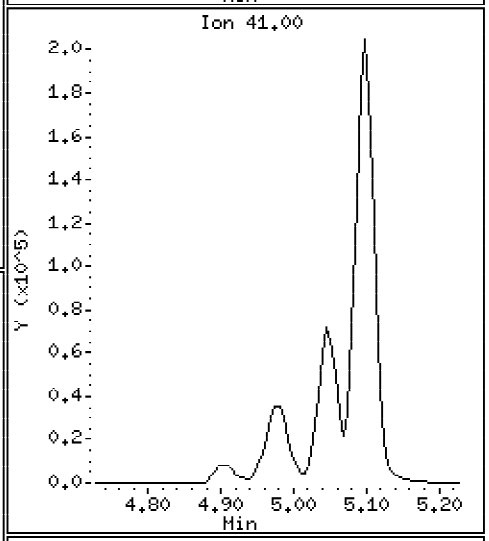
Column phase: DB-624 Column diameter: 0.18

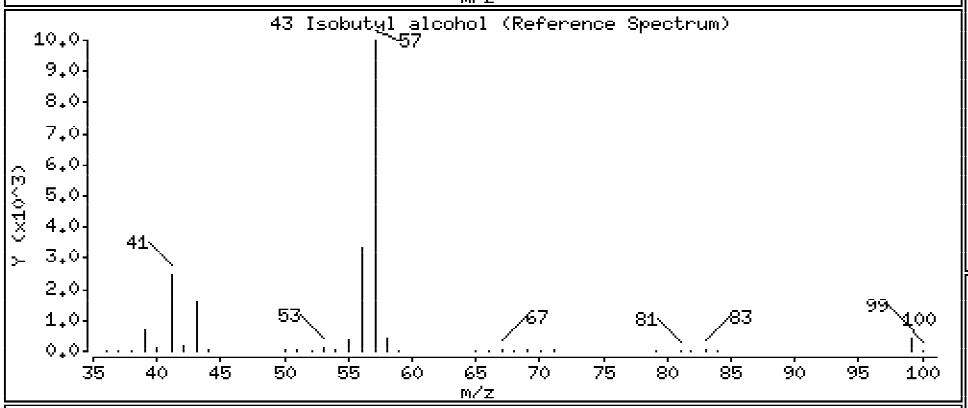
43 Isobutyl alcohol Concentration: 48.0 ppb

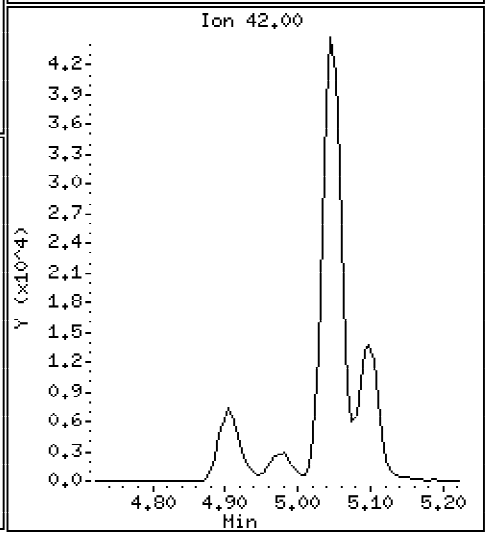


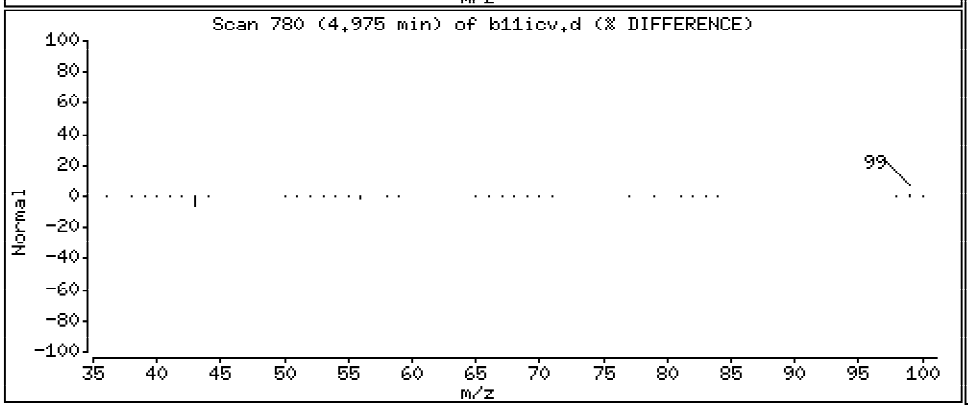












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 47

Date : 10-JAN-2014 21:40

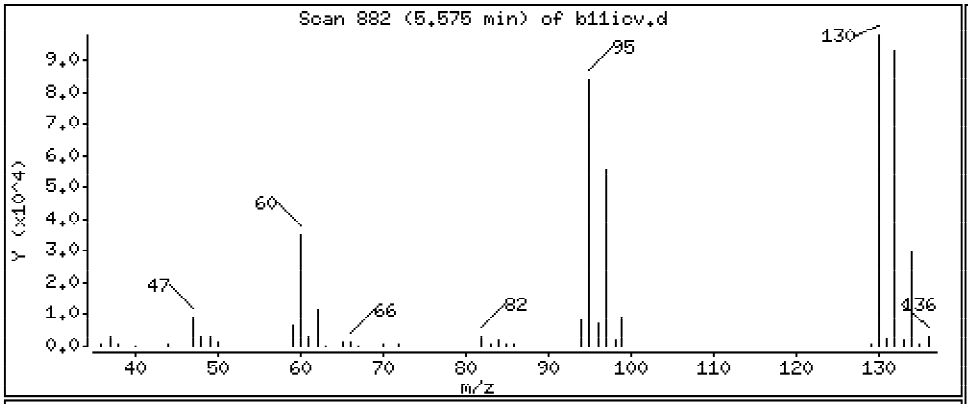
Client ID: 8260-ICV Instrument: 50mv4b.i

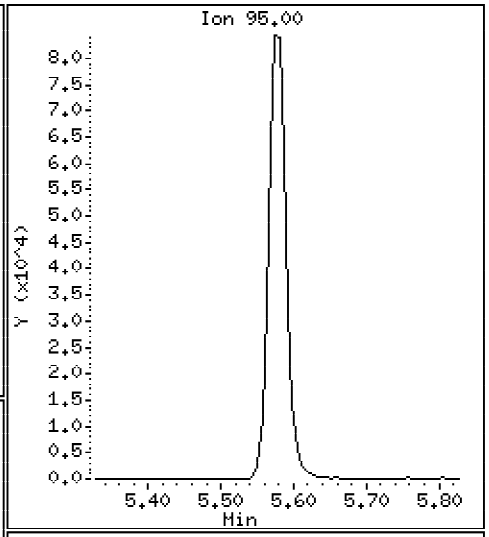
Sample Info: 8260-ICV,59989:0

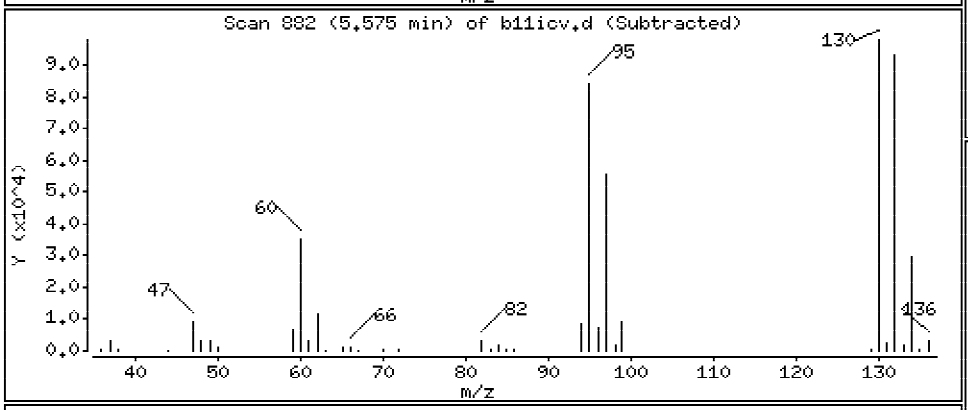
Purge Volume: 5.0 Operator: rsw

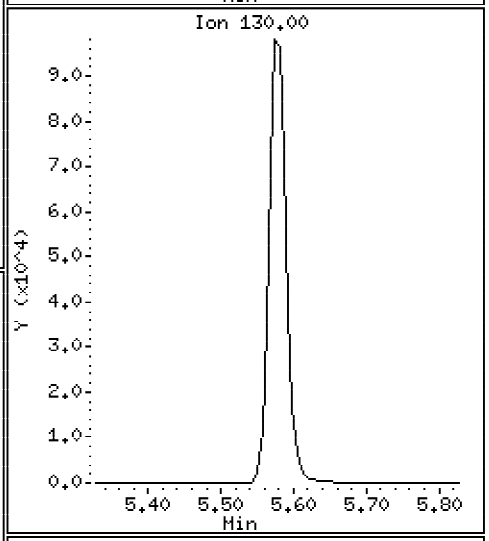
Column phase: DB-624 Column diameter: 0.18

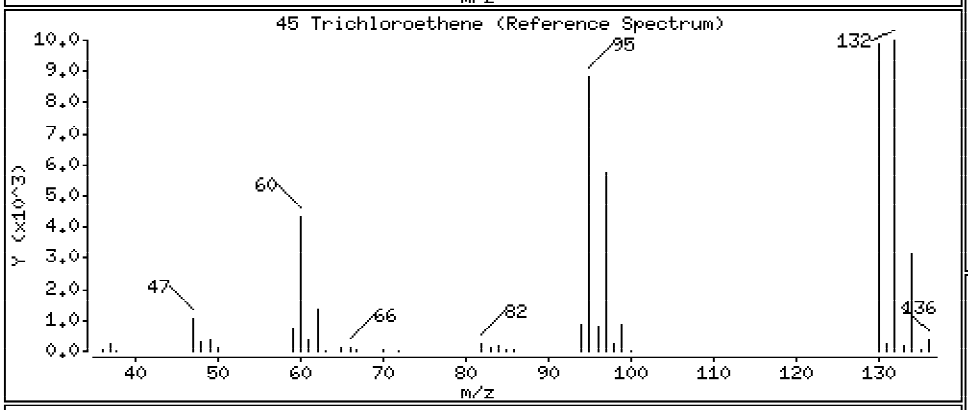
45 Trichloroethene Concentration: 47.2 ppb

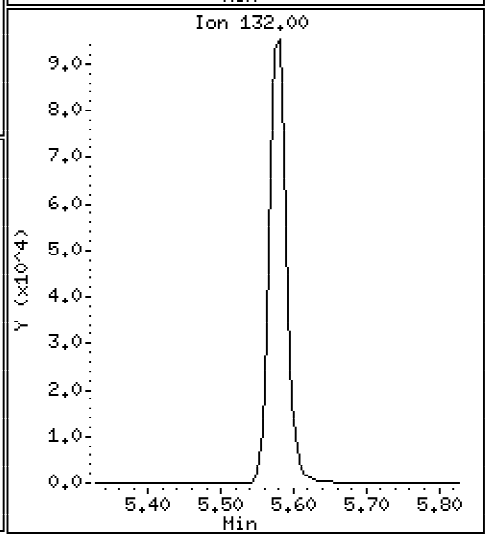


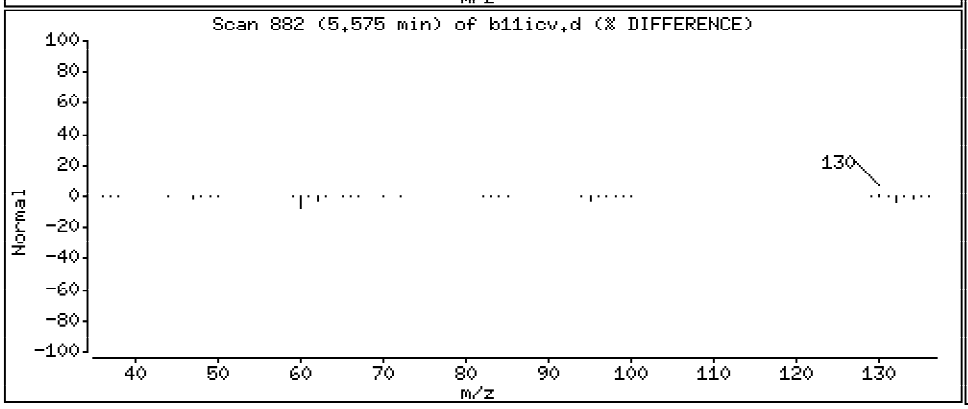












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 48

Date : 10-JAN-2014 21:40

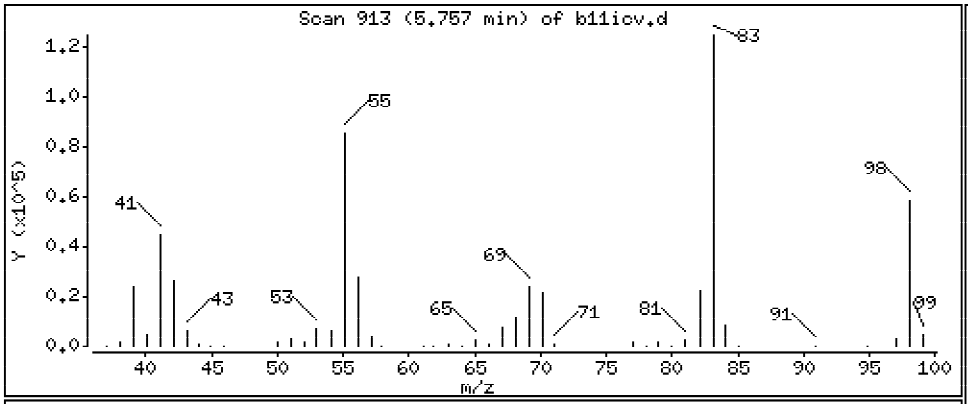
Client ID: 8260-ICV Instrument: 50mv4b.i

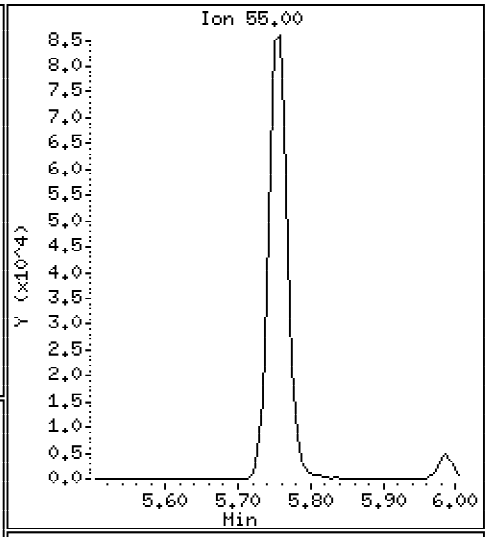
Sample Info: 8260-ICV,59989:0

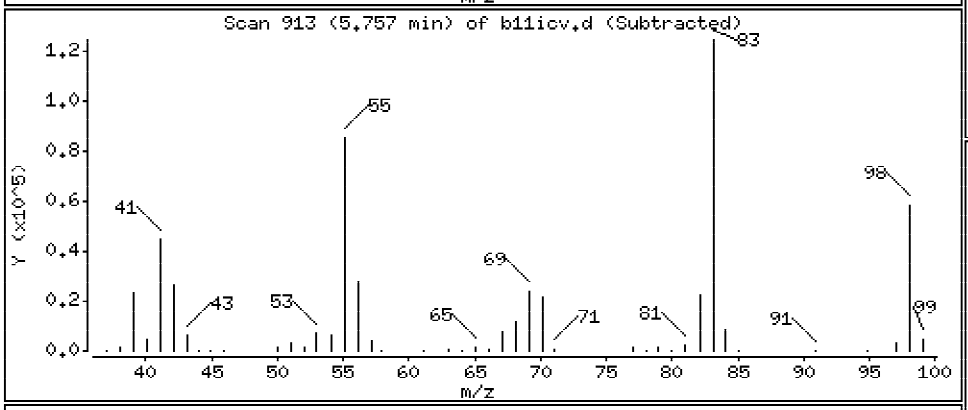
Purge Volume: 5.0 Operator: rsw

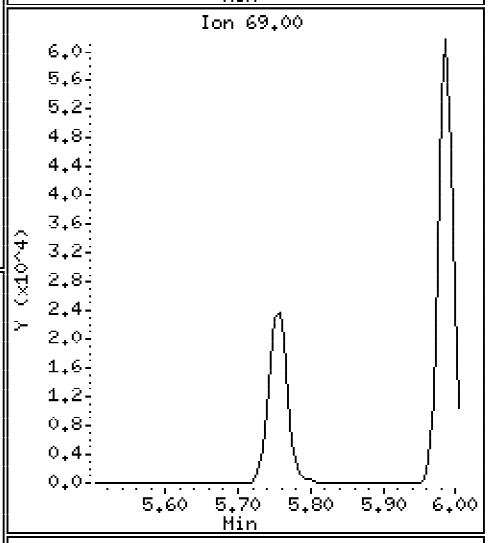
Column phase: DB-624 Column diameter: 0.18

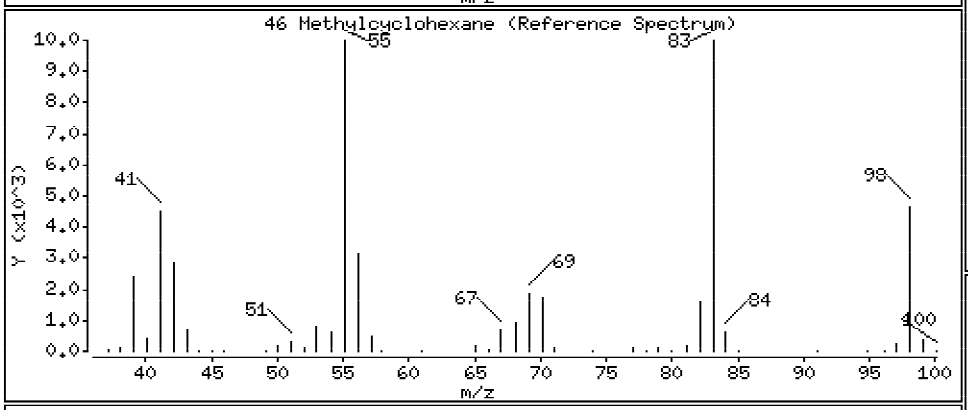
46 Methylcyclohexane Concentration: 54.1 ppb

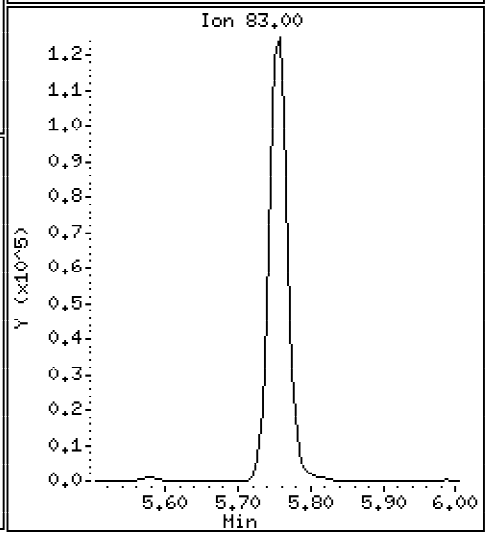


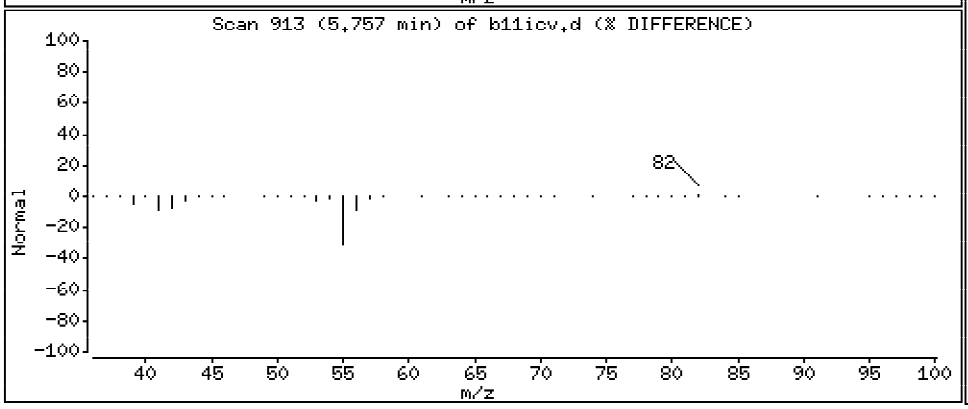












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 49

Date : 10-JAN-2014 21:40

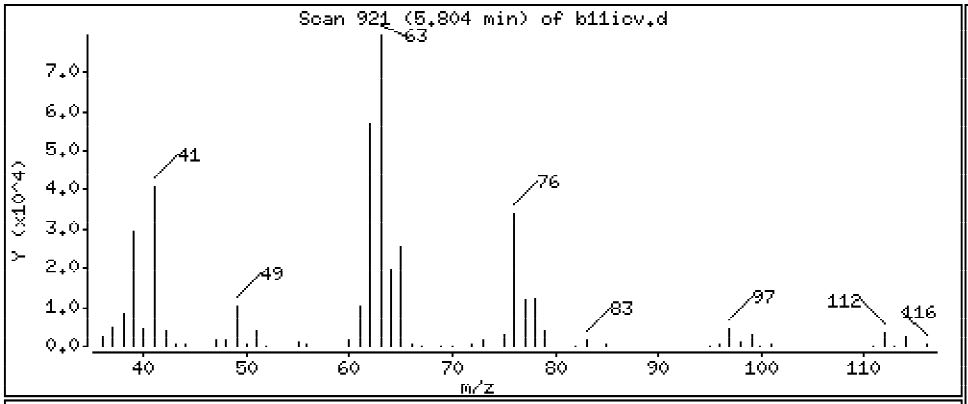
Client ID: 8260-ICV Instrument: 50mv4b.i

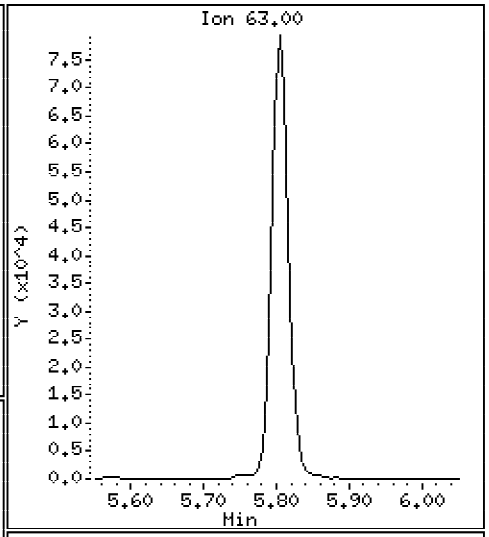
Sample Info: 8260-ICV,59989:0

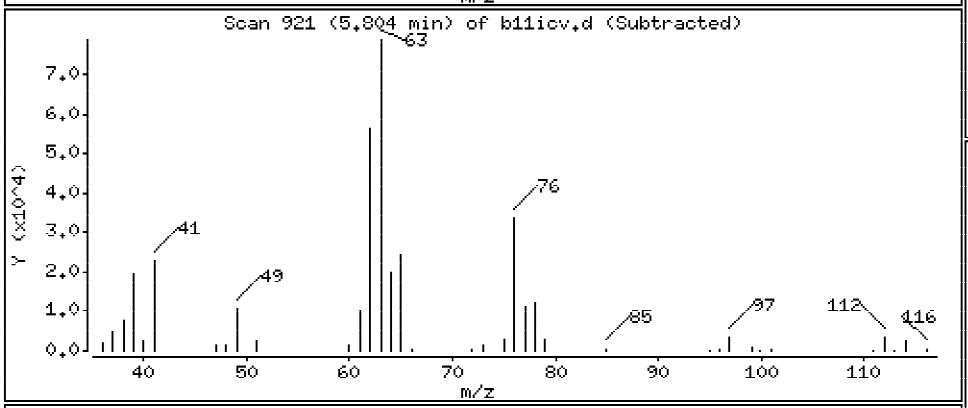
Purge Volume: 5.0 Operator: rsw

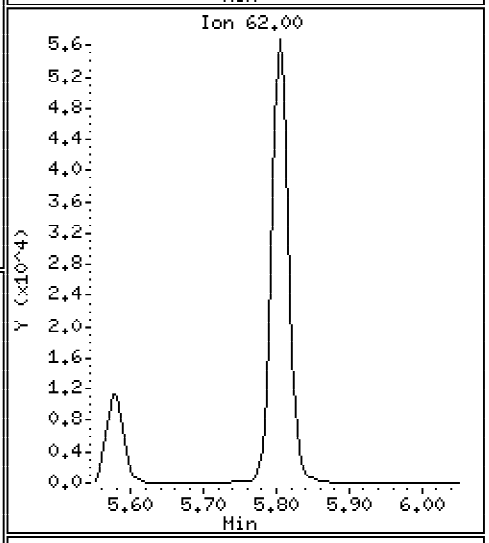
Column phase: DB-624 Column diameter: 0.18

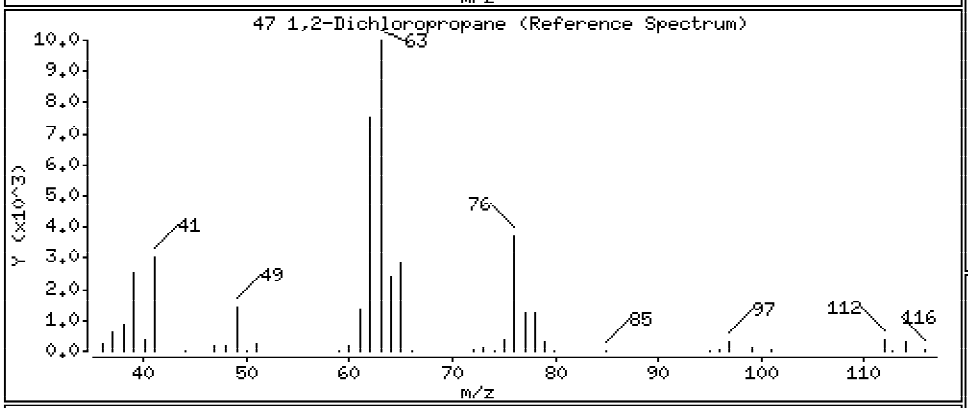
47 1,2-Dichloropropane Concentration: 46.2 ppb

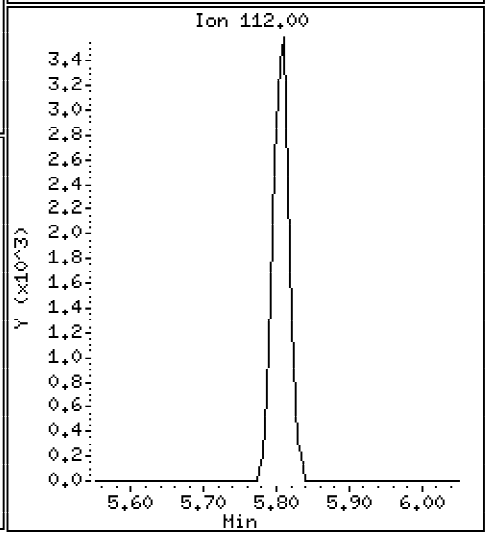


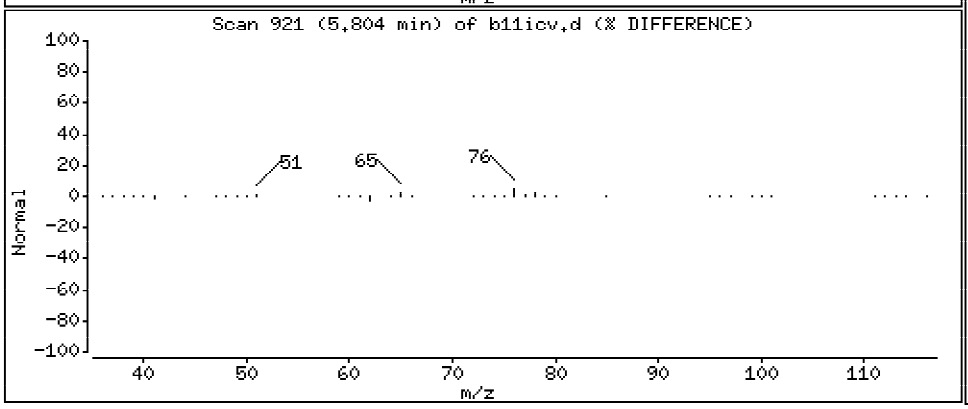












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 50

Date : 10-JAN-2014 21:40

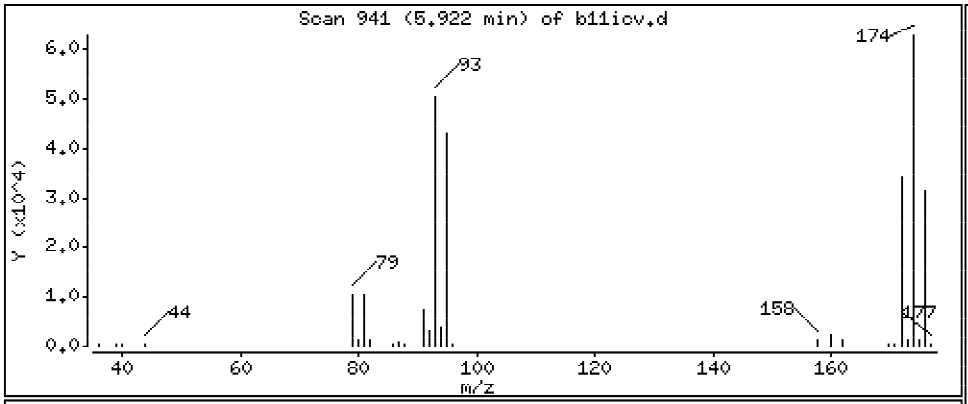
Client ID: 8260-ICV Instrument: 50mv4b.i

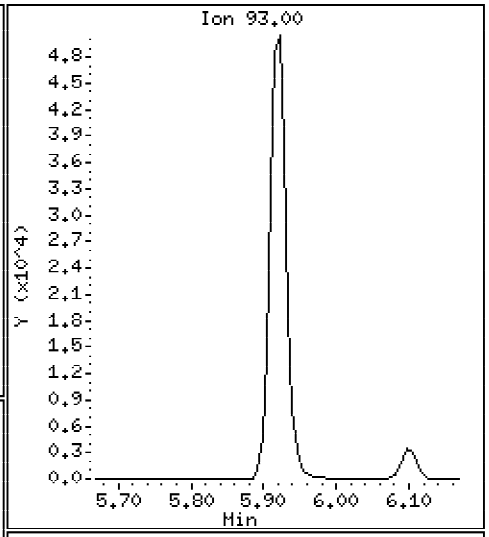
Sample Info: 8260-ICV,59989:0

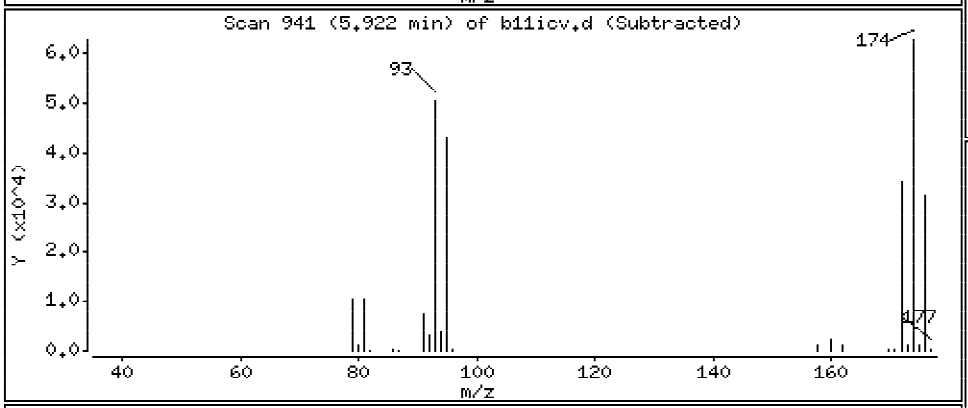
Purge Volume: 5.0 Operator: rsw

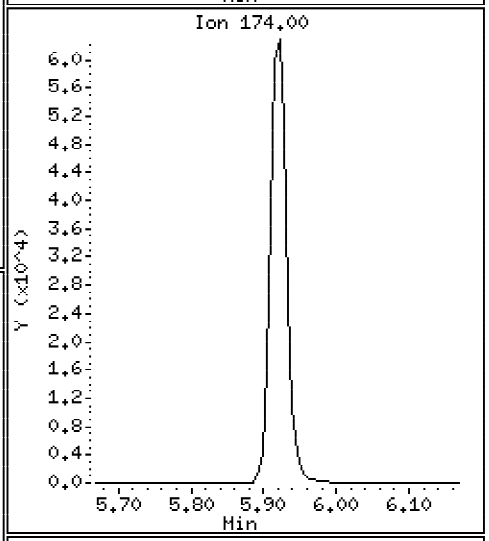
Column phase: DB-624 Column diameter: 0.18

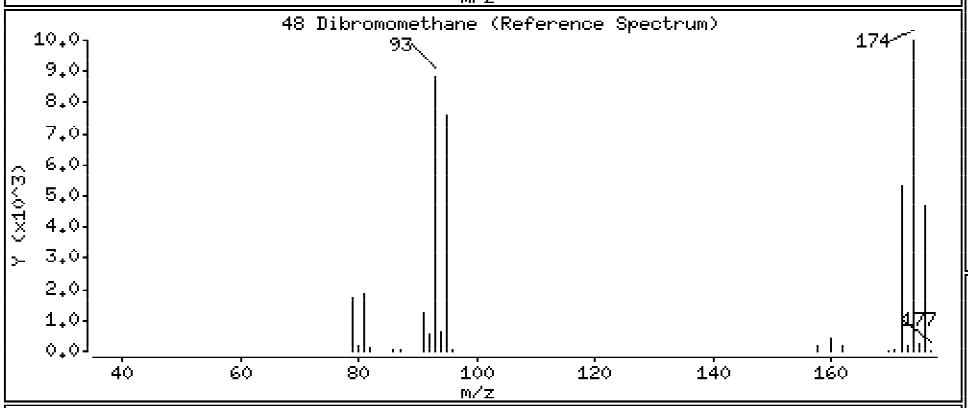
48 Dibromomethane Concentration: 47.0 ppb

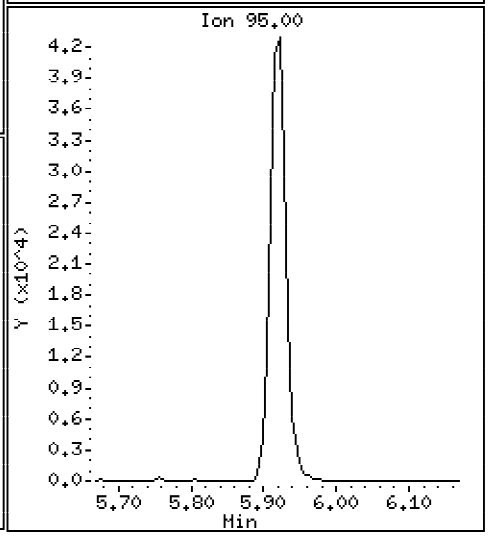


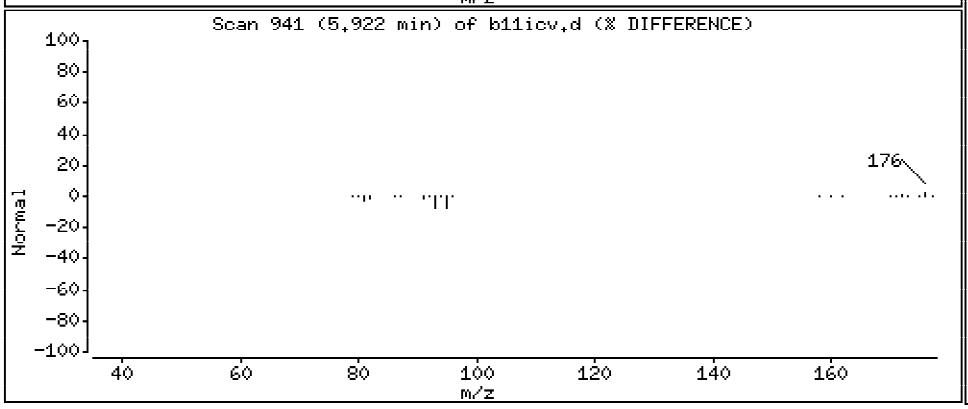












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 51

Date : 10-JAN-2014 21:40

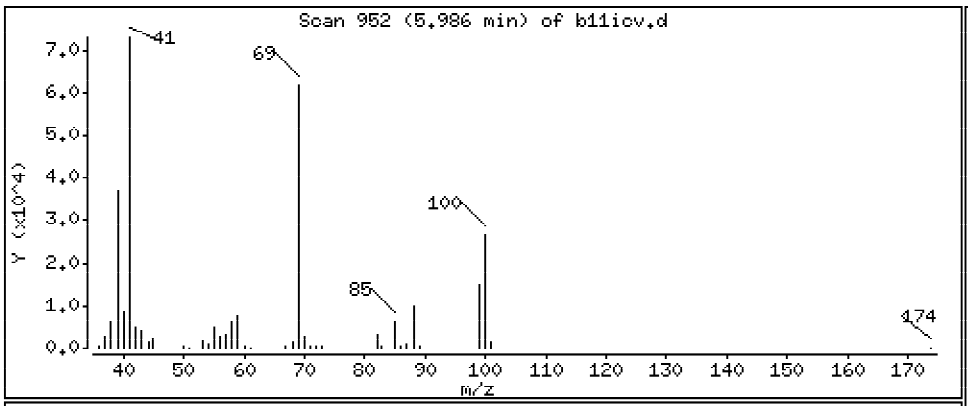
Client ID: 8260-ICV Instrument: 50mv4b.i

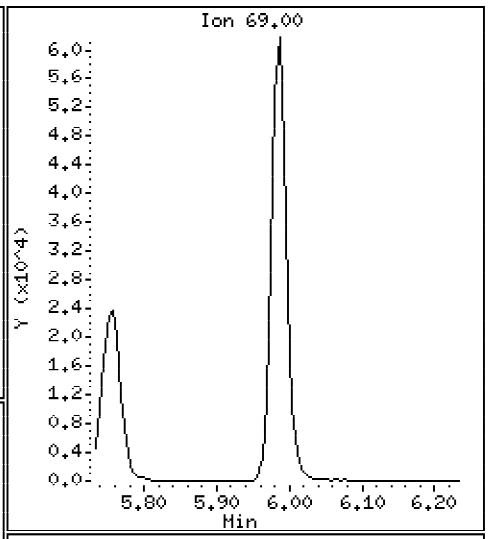
Sample Info: 8260-ICV,59989:0

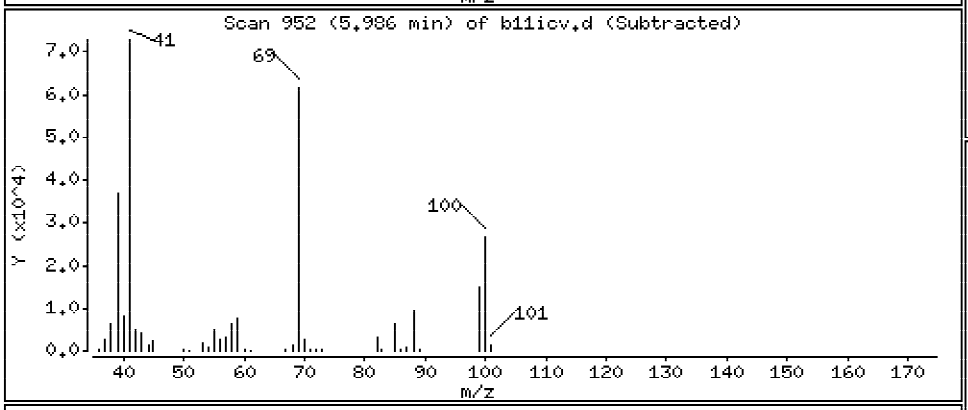
Purge Volume: 5.0 Operator: rsw

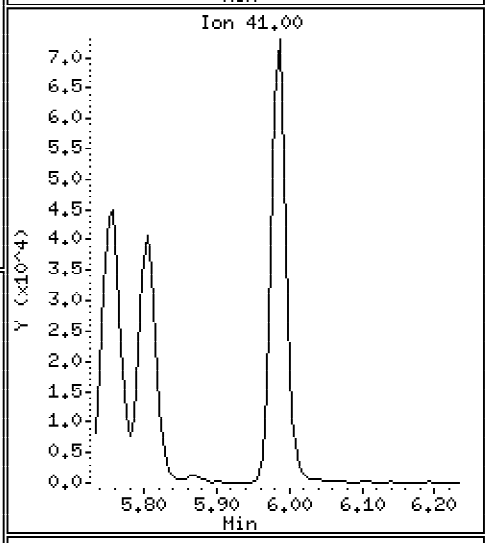
Column phase: DB-624 Column diameter: 0.18

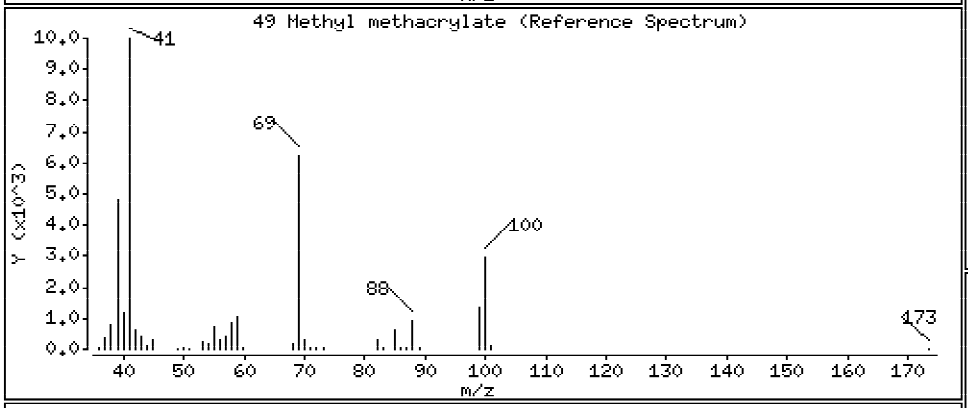
49 Methyl methacrylate Concentration: 52.1 ppb

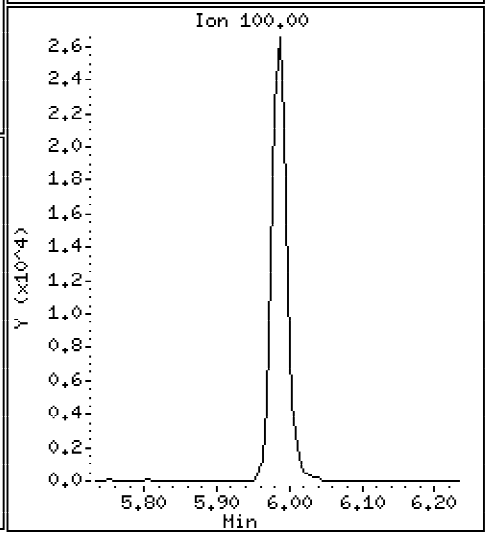


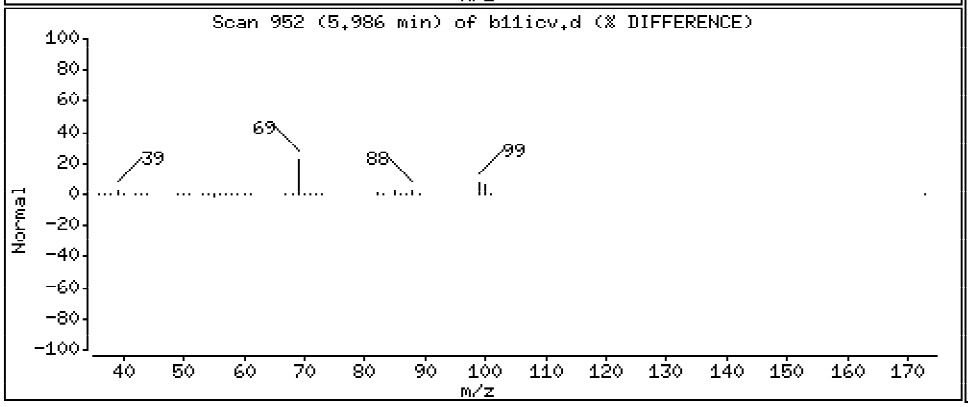












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 52

Date : 10-JAN-2014 21:40

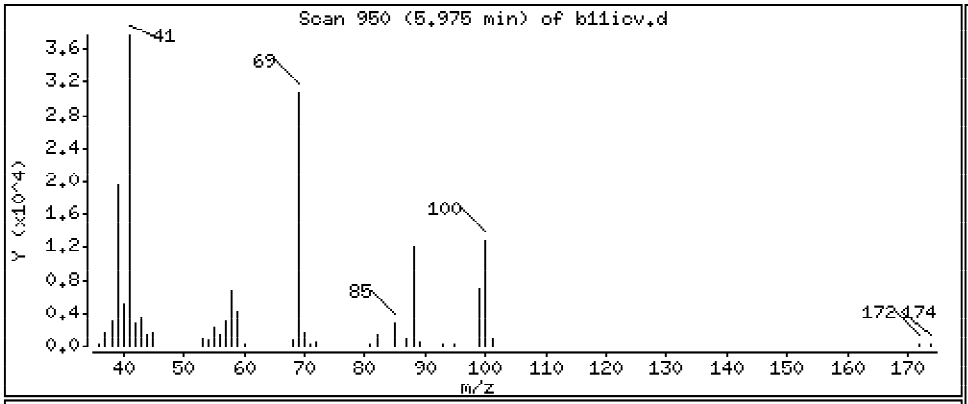
Client ID: 8260-ICV Instrument: 50mv4b.i

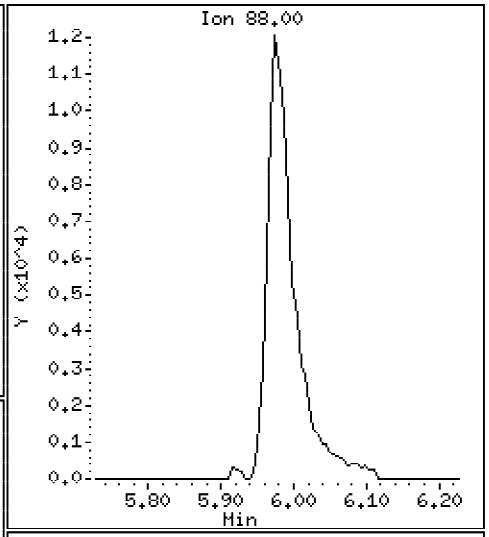
Sample Info: 8260-ICV,59989:0

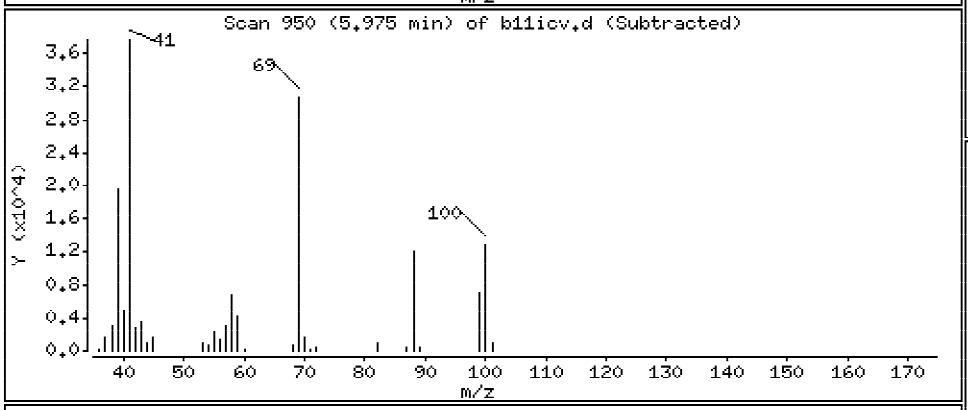
Purge Volume: 5.0 Operator: rsw

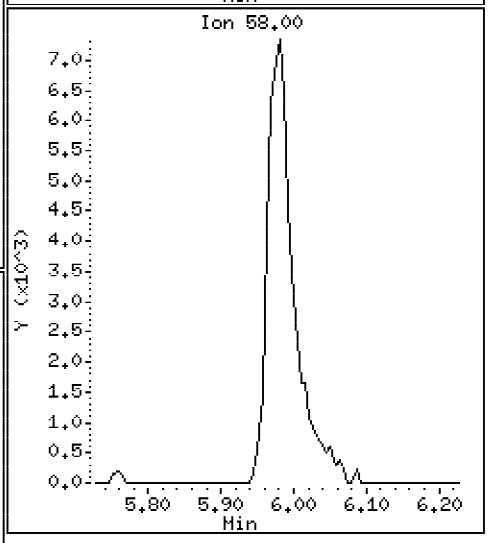
Column phase: DB-624 Column diameter: 0.18

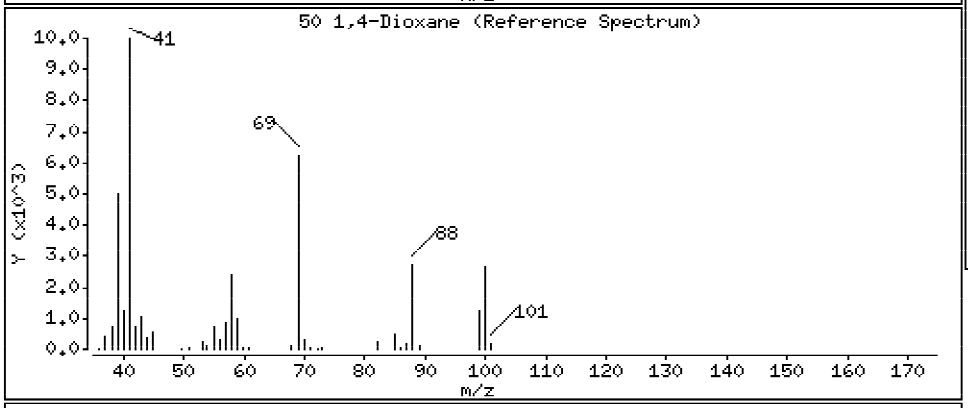
50 1,4-Dioxane Concentration: 969 ppb

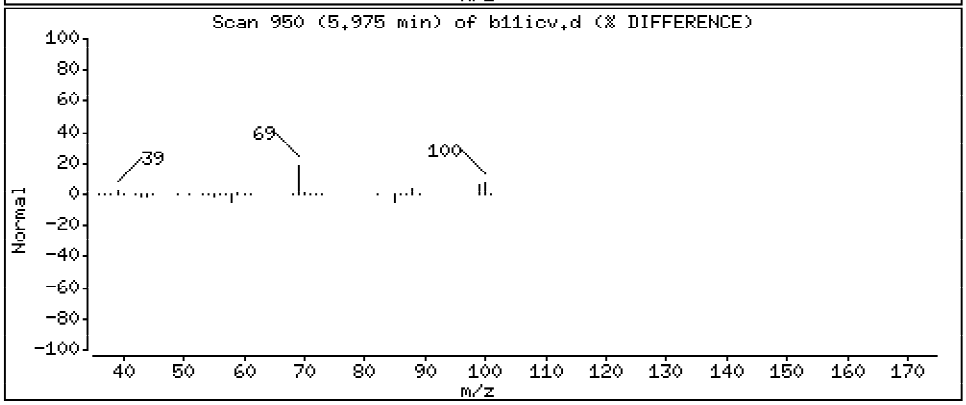












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 53

Date : 10-JAN-2014 21:40

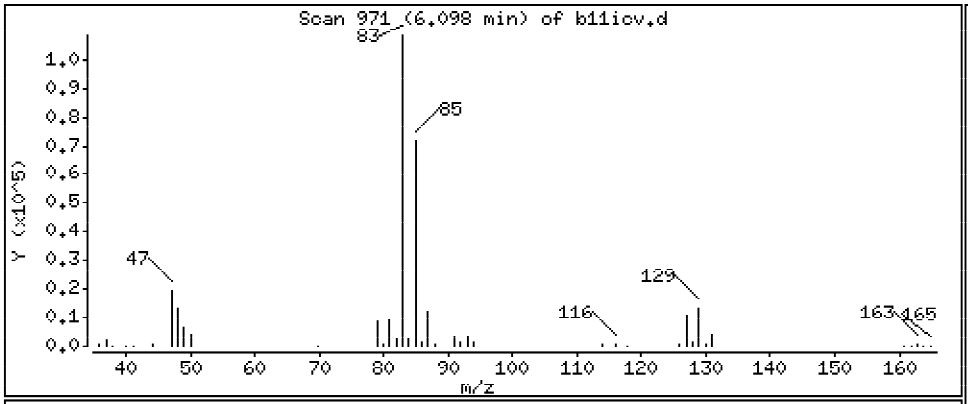
Client ID: 8260-ICV Instrument: 50mv4b.i

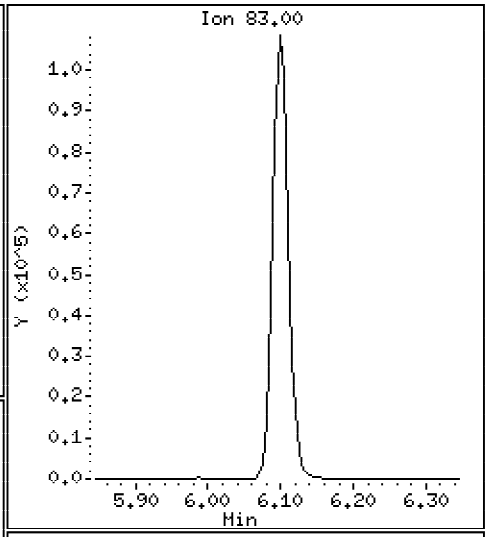
Sample Info: 8260-ICV,59989:0

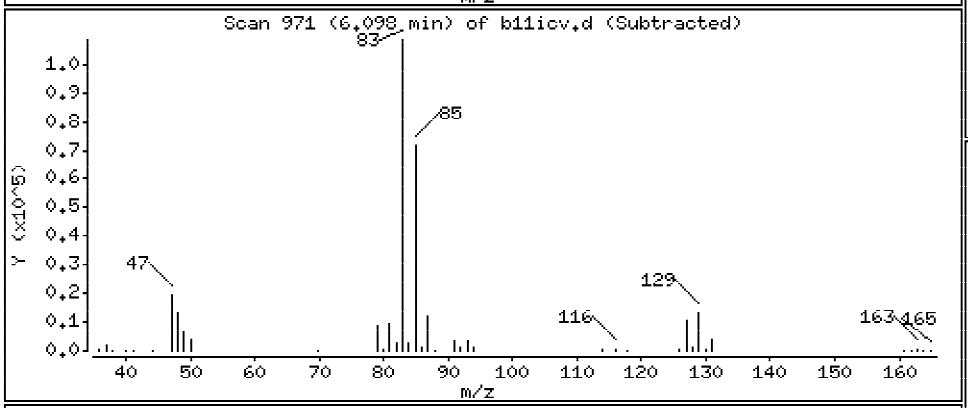
Purge Volume: 5.0 Operator: rsw

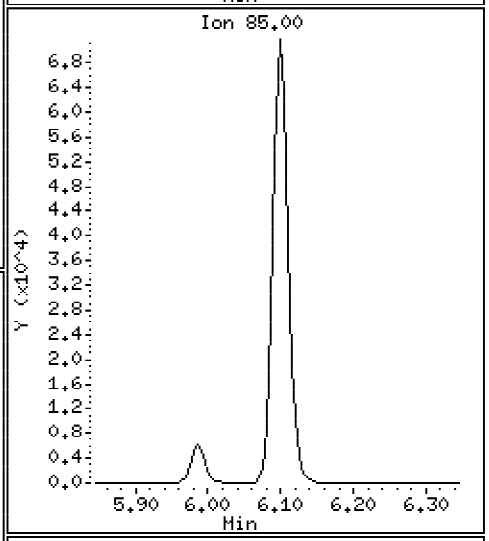
Column phase: DB-624 Column diameter: 0.18

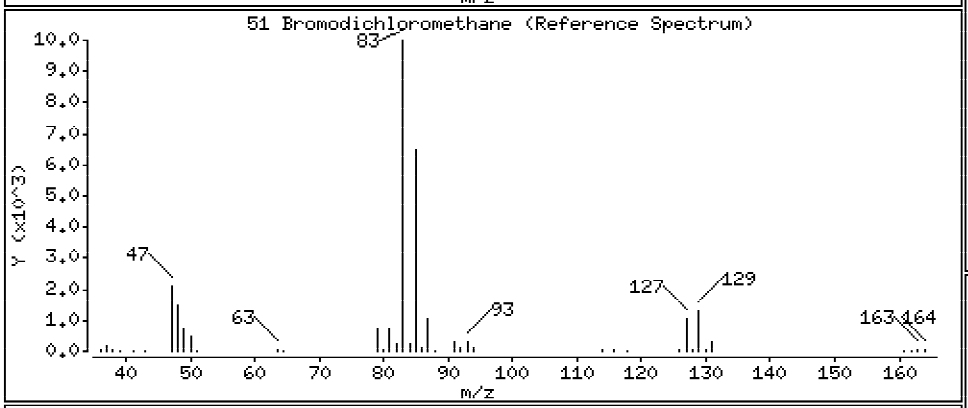
51 Bromodichloromethane Concentration: 50.6 ppb

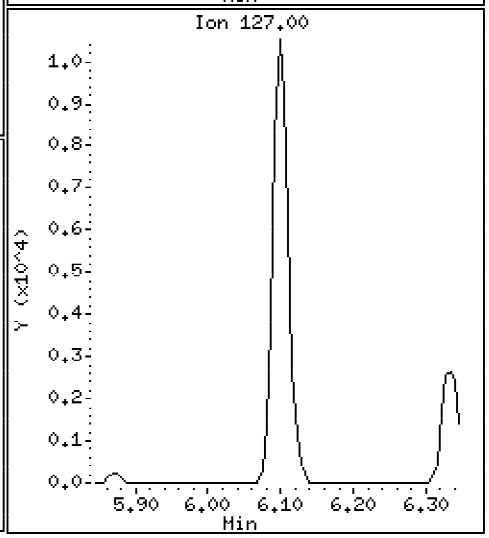


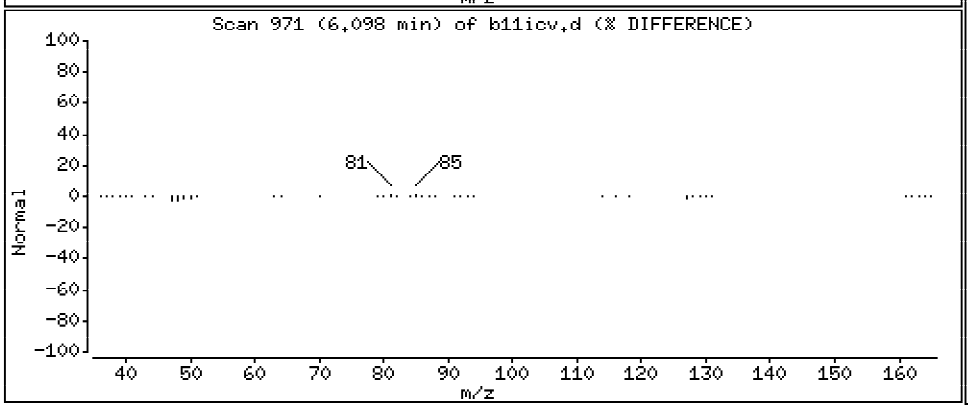












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 54

Date : 10-JAN-2014 21:40

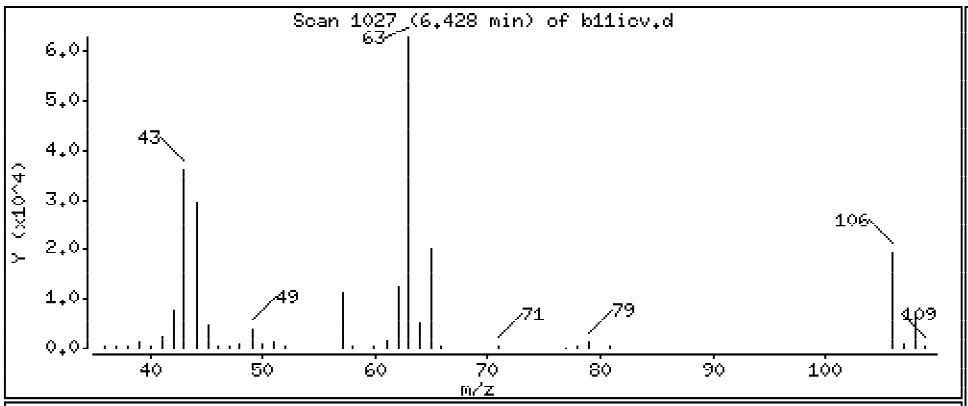
Client ID: 8260-ICV Instrument: 50mv4b.i

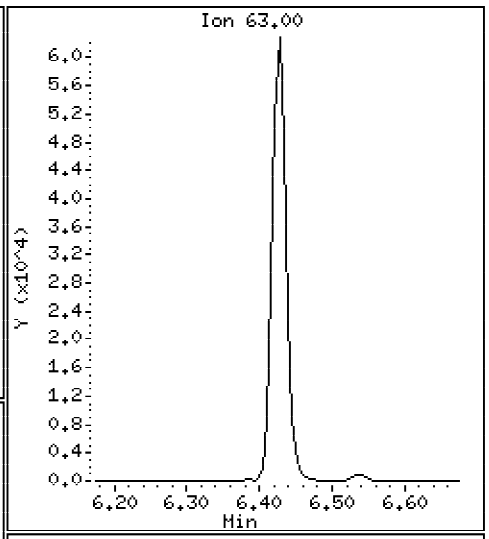
Sample Info: 8260-ICV,59989:0

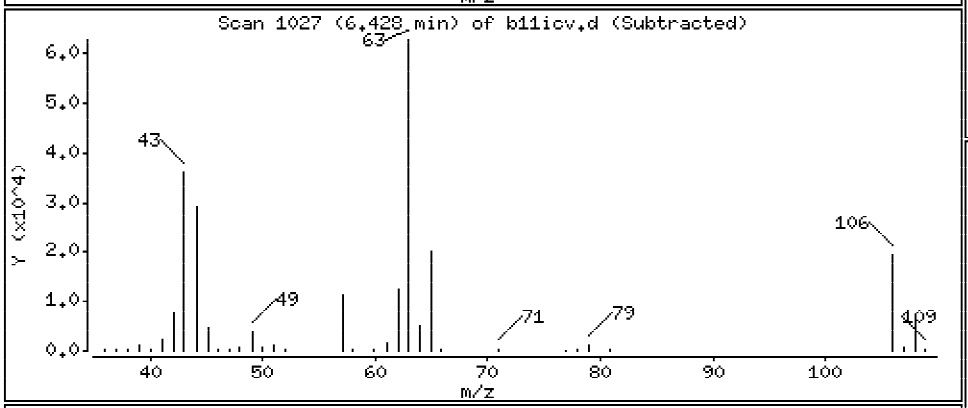
Purge Volume: 5.0 Operator: rsw

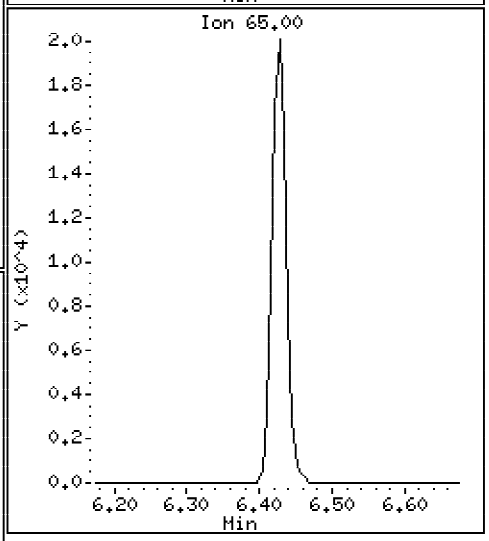
Column phase: DB-624 Column diameter: 0.18

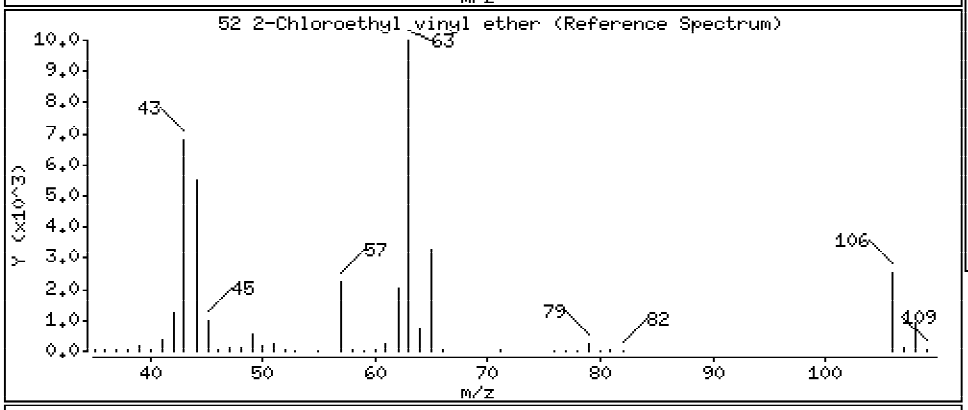
52 2-Chloroethyl vinyl ether Concentration: 51.3 ppb

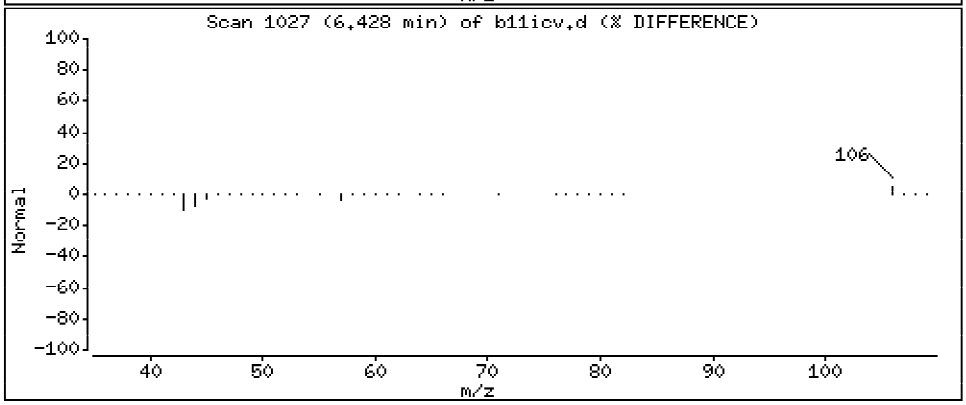












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 55

Date : 10-JAN-2014 21:40

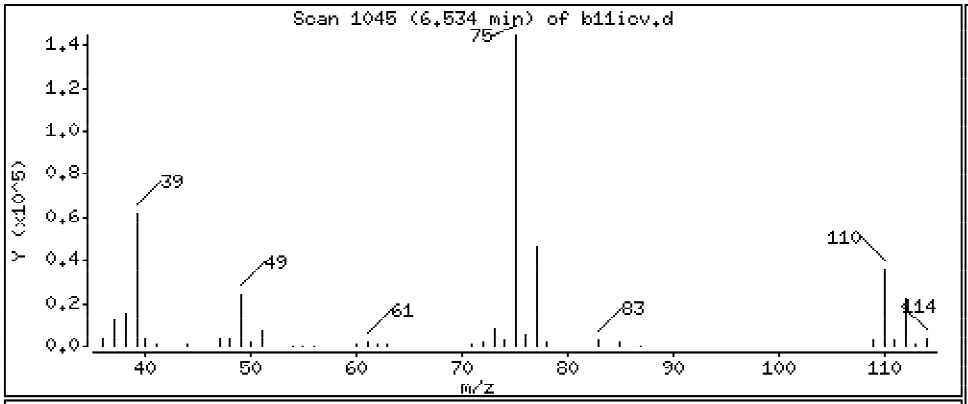
Client ID: 8260-ICV Instrument: 50mv4b.i

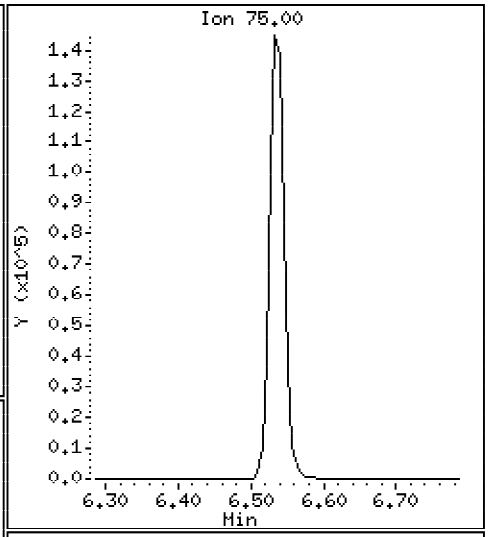
Sample Info: 8260-ICV,59989:0

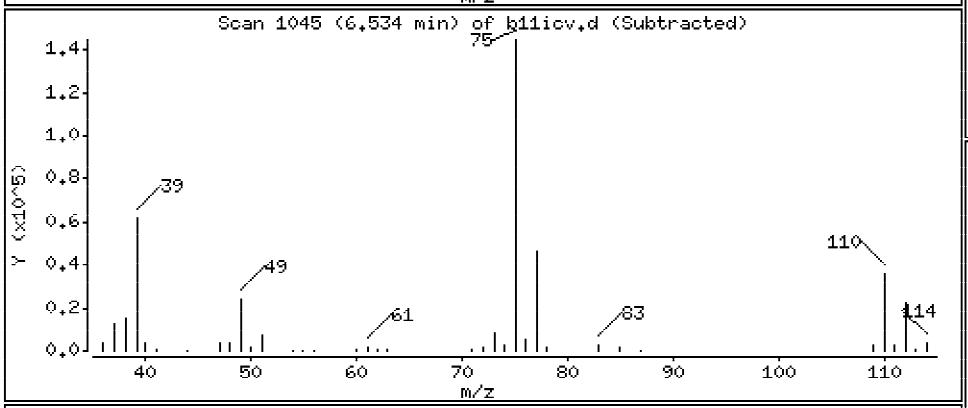
Purge Volume: 5.0 Operator: rsw

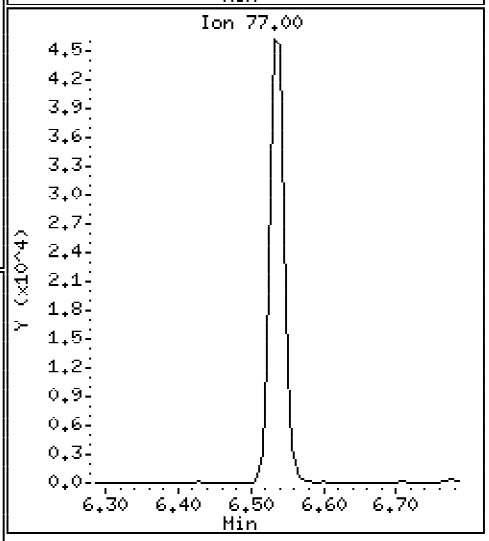
Column phase: DB-624 Column diameter: 0.18

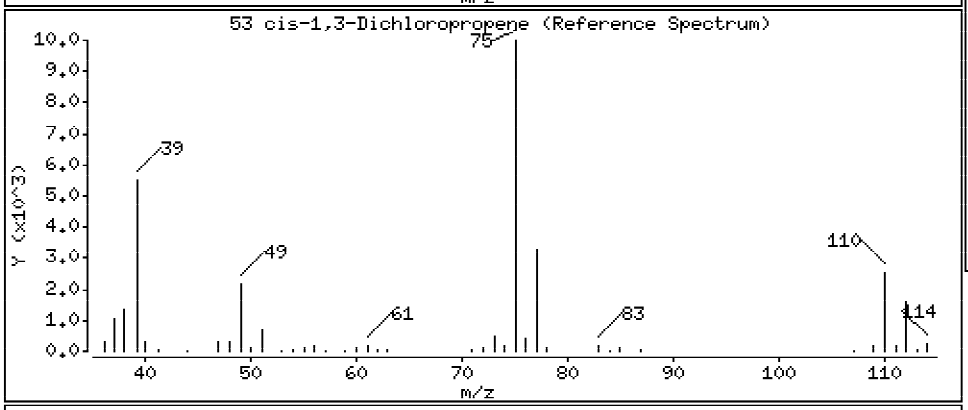
53 cis-1,3-Dichloropropene Concentration: 53.9 ppb

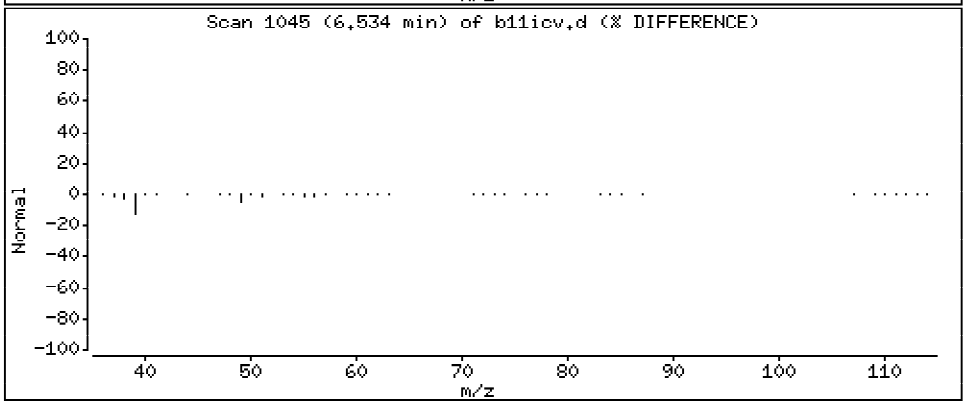












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 56

Date : 10-JAN-2014 21:40

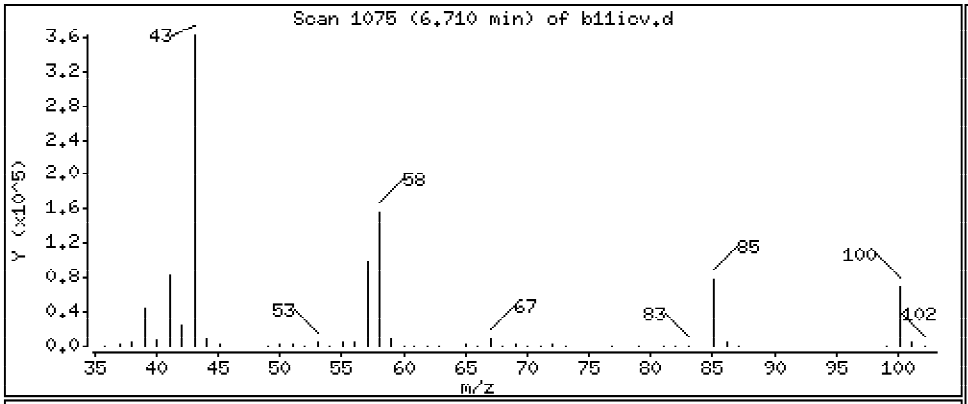
Client ID: 8260-ICV Instrument: 50mv4b.i

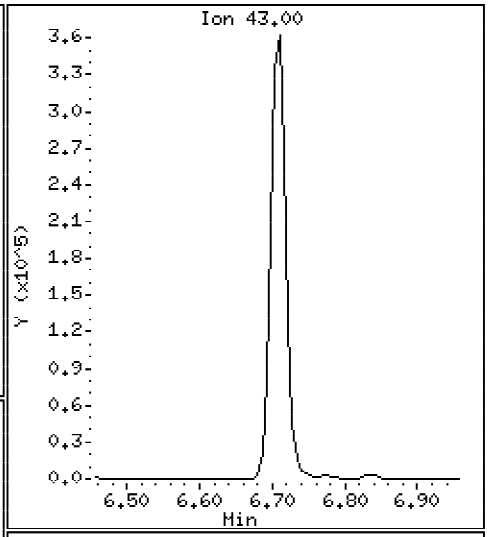
Sample Info: 8260-ICV,59989:0

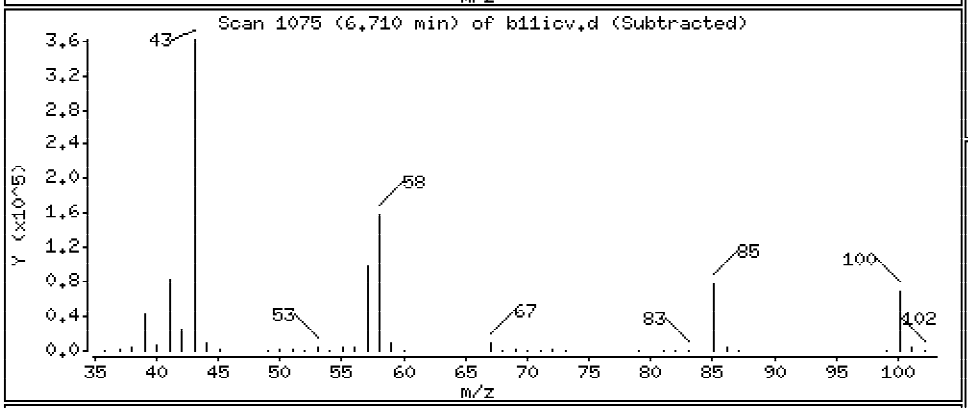
Purge Volume: 5.0 Operator: rsw

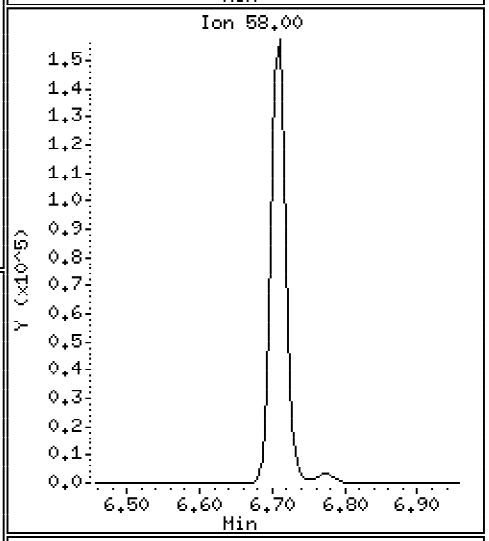
Column phase: DB-624 Column diameter: 0.18

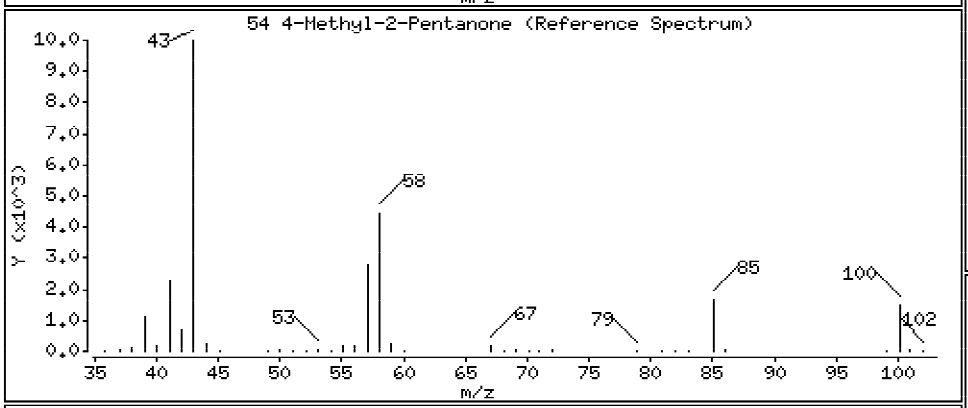
54 4-Methyl-2-Pentanone Concentration: 280 ppb

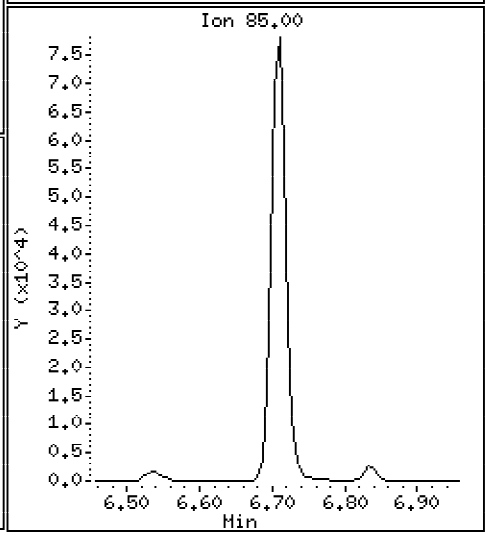


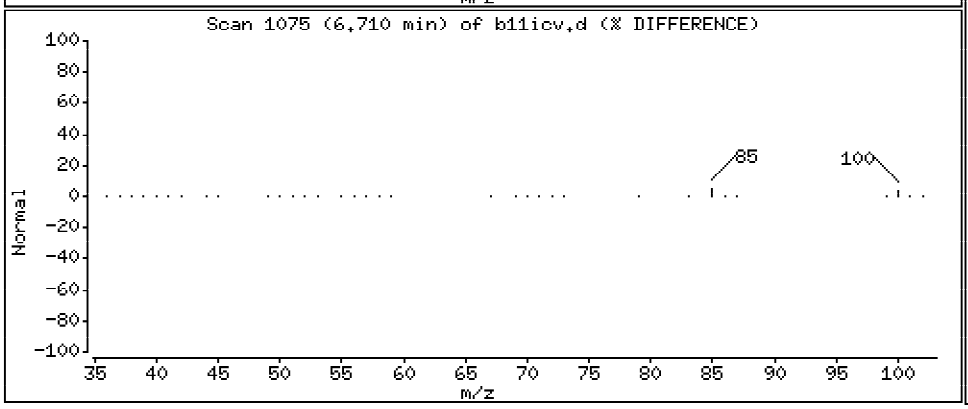












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 57

Date : 10-JAN-2014 21:40

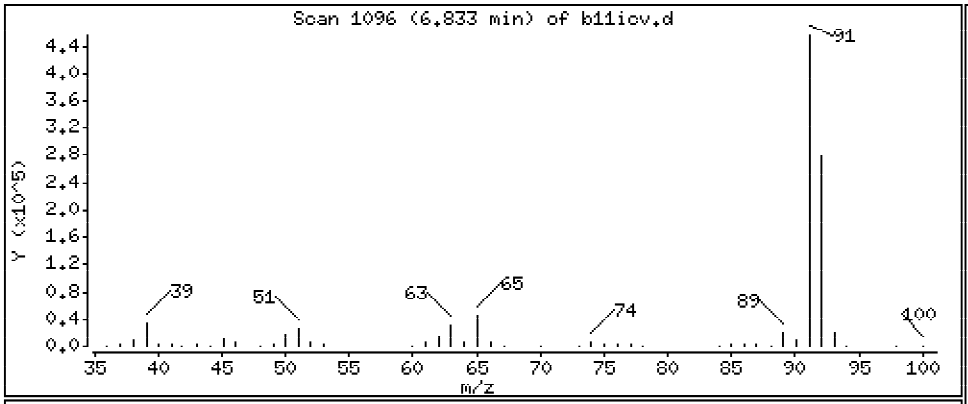
Client ID: 8260-ICV Instrument: 50mv4b.i

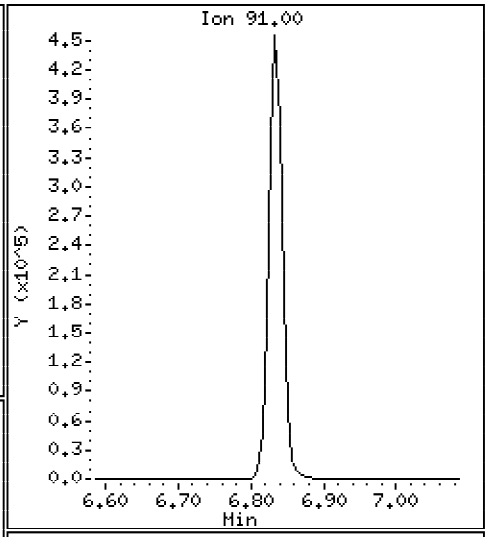
Sample Info: 8260-ICV,59989:0

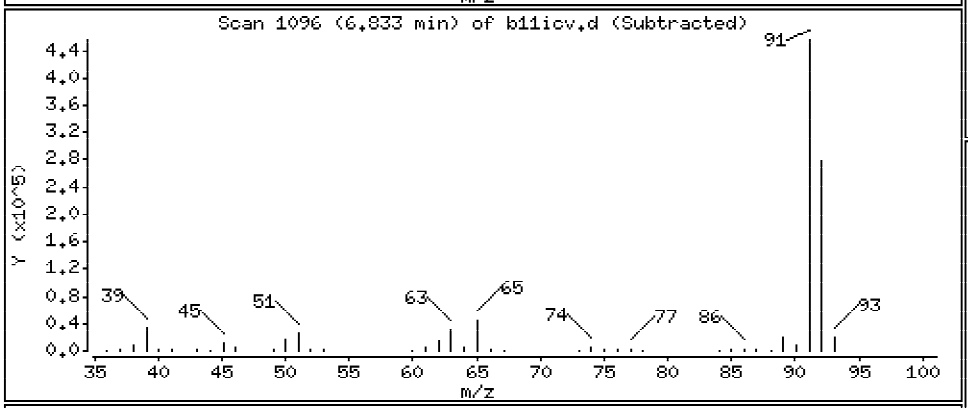
Purge Volume: 5.0 Operator: rsw

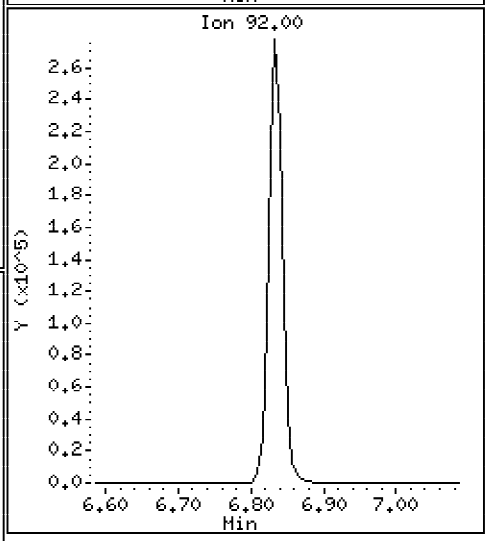
Column phase: DB-624 Column diameter: 0.18

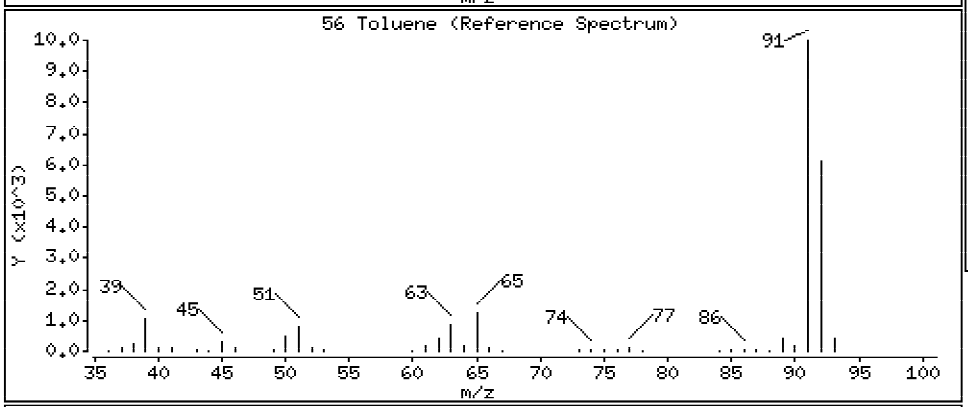
56 Toluene Concentration: 49.4 ppb

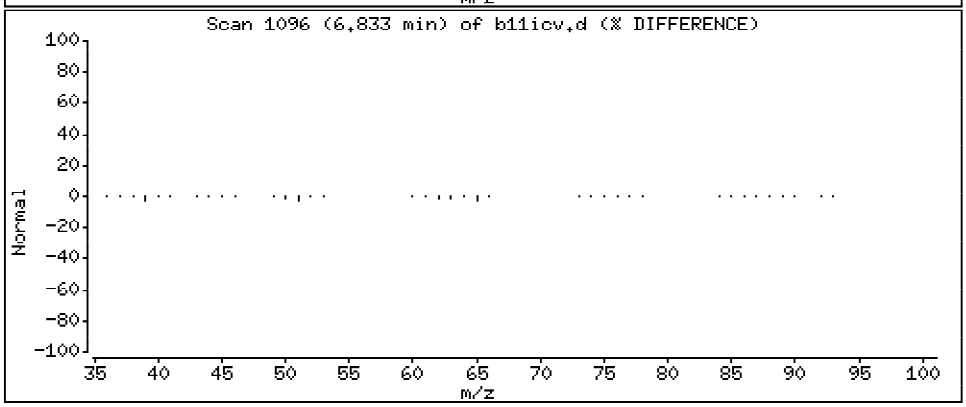












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 58

Date : 10-JAN-2014 21:40

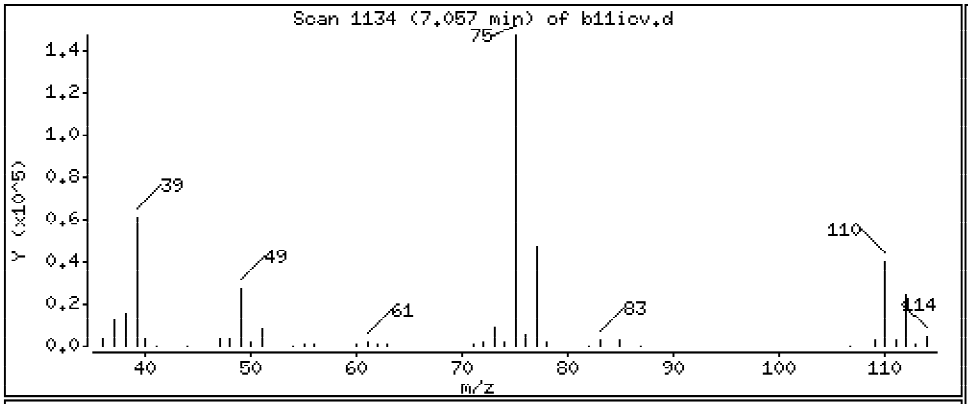
Client ID: 8260-ICV Instrument: 50mv4b.i

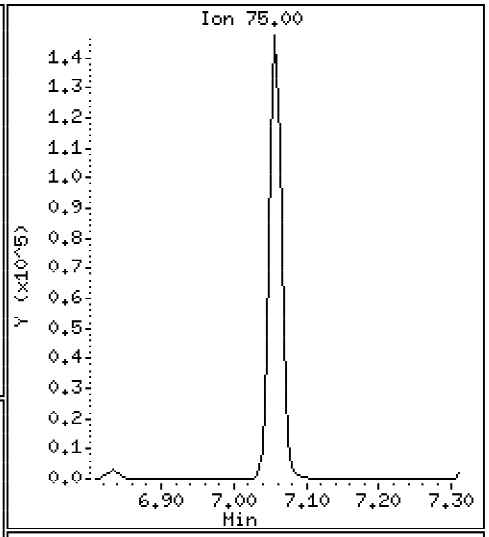
Sample Info: 8260-ICV,59989:0

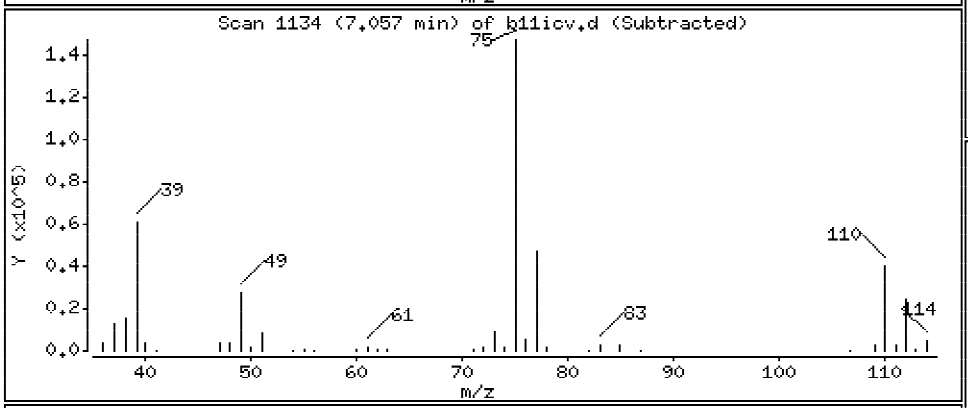
Purge Volume: 5.0 Operator: rsw

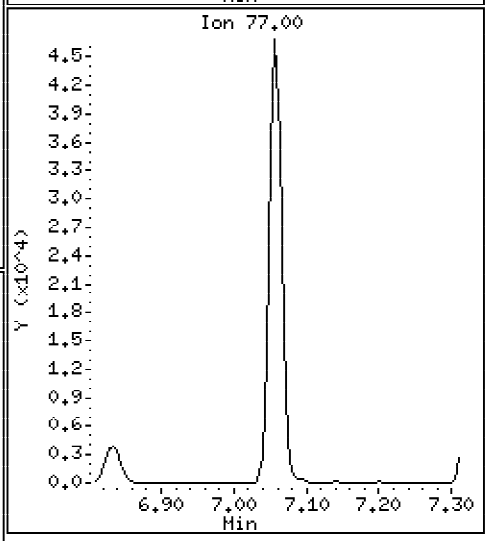
Column phase: DB-624 Column diameter: 0.18

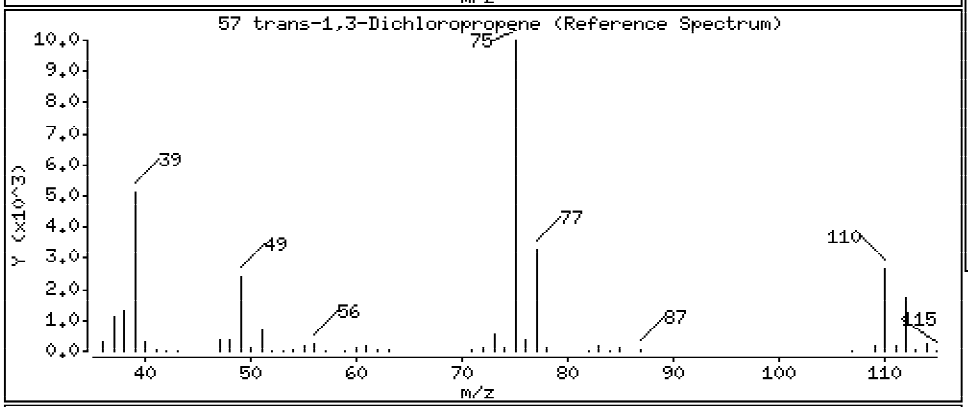
57 trans-1,3-Dichloropropene Concentration: 56.3 ppb

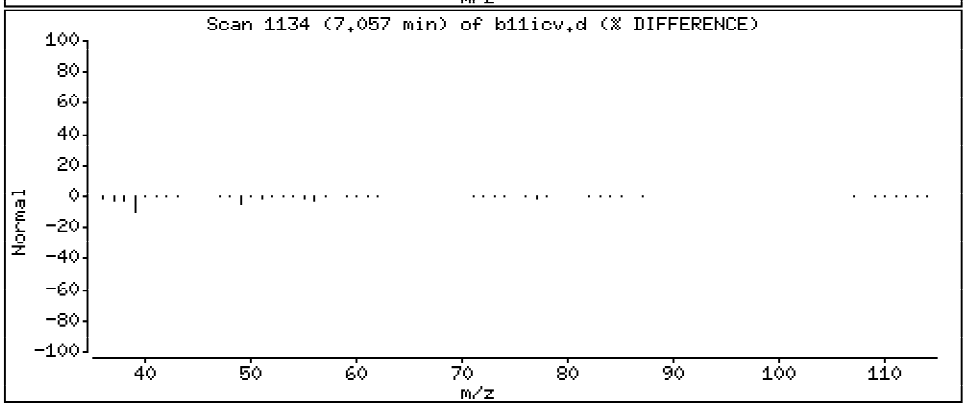












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 59

Date : 10-JAN-2014 21:40

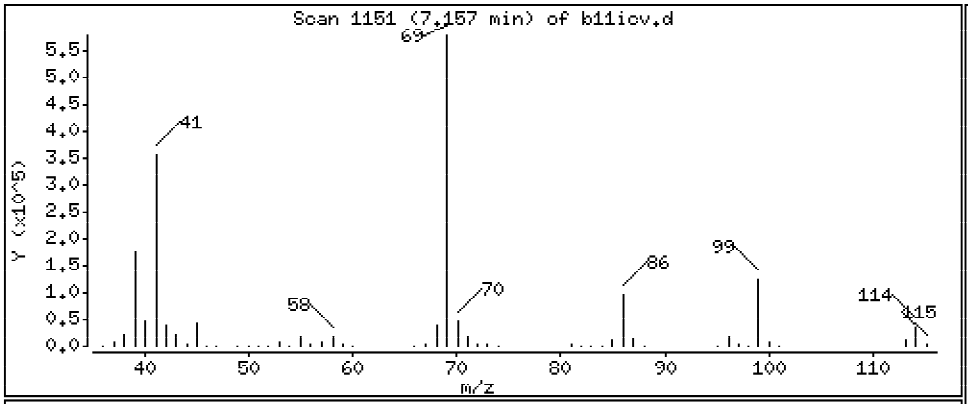
Client ID: 8260-ICV Instrument: 50mv4b.i

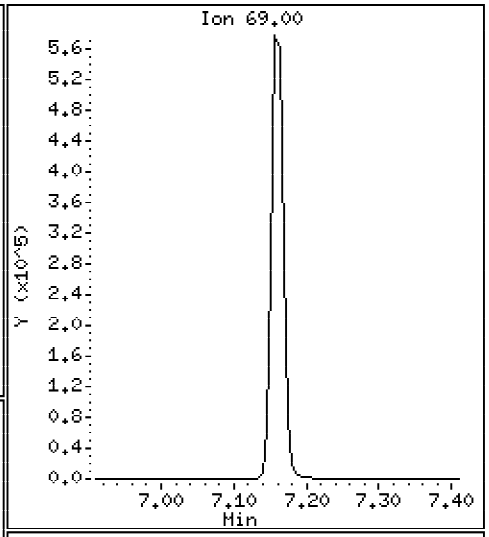
Sample Info: 8260-ICV,59989:0

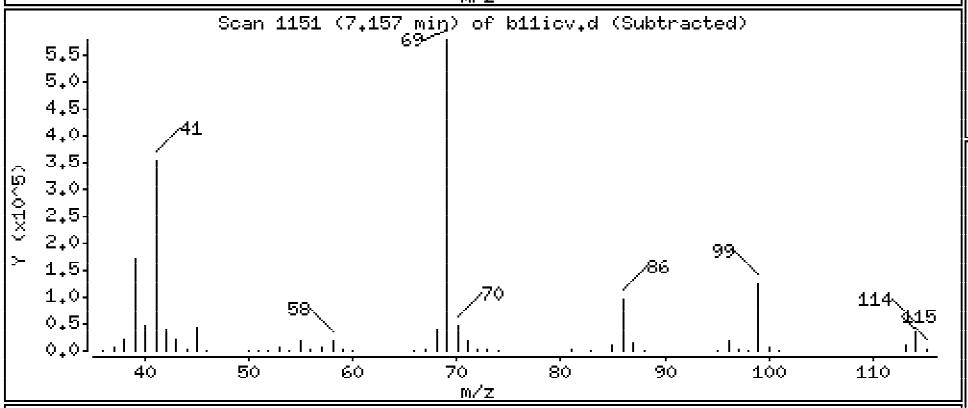
Purge Volume: 5.0 Operator: rsw

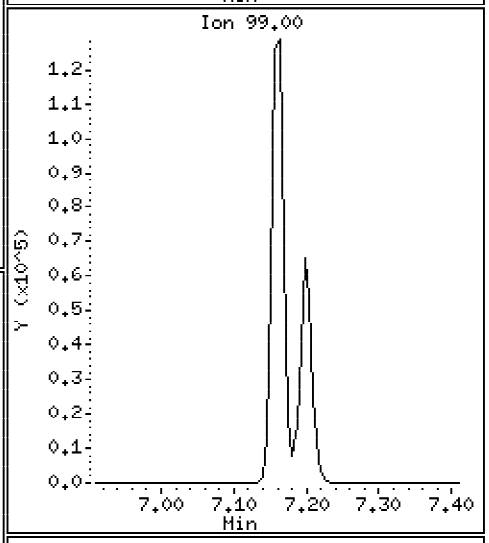
Column phase: DB-624 Column diameter: 0.18

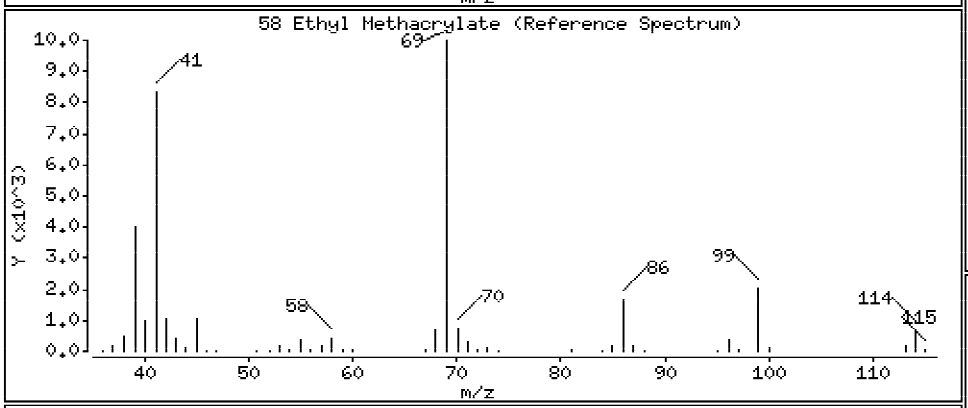
58 Ethyl Methacrylate Concentration: 221 ppb

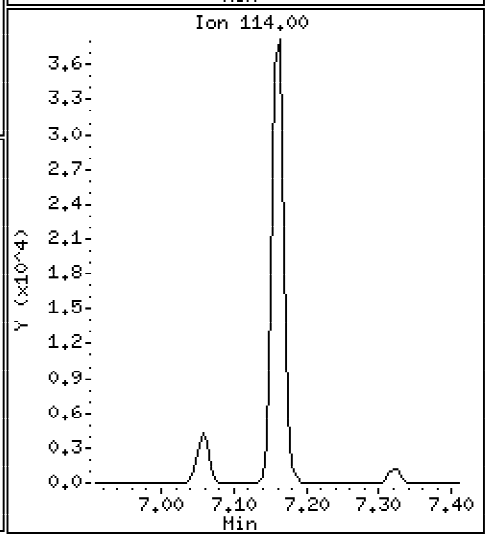


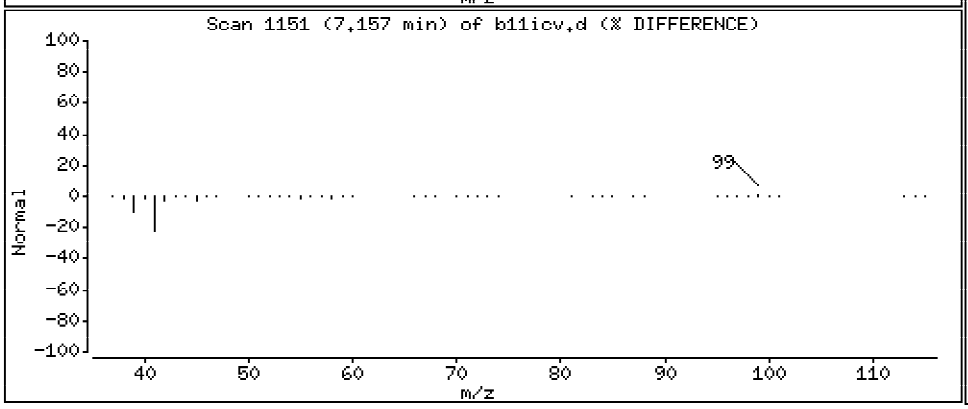












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 60

Date : 10-JAN-2014 21:40

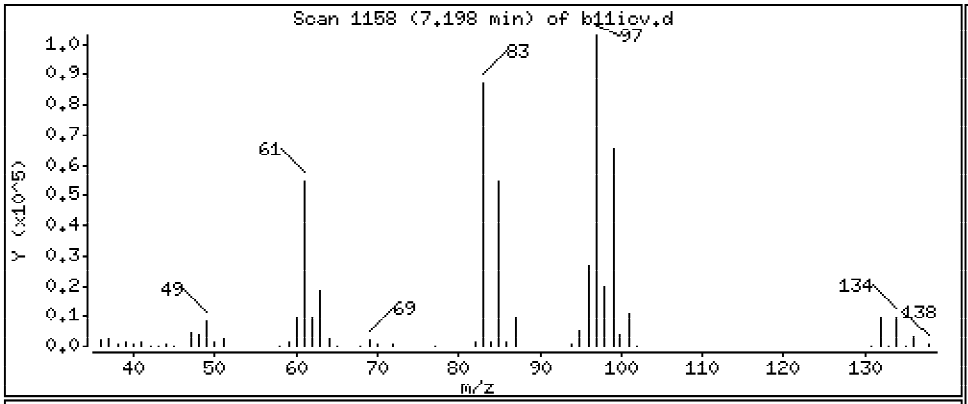
Client ID: 8260-ICV Instrument: 50mv4b.i

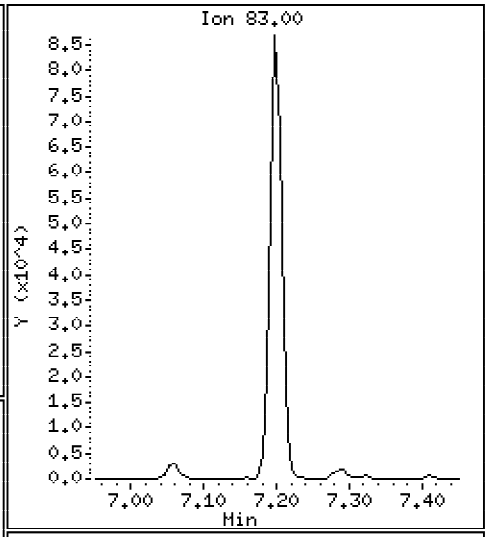
Sample Info: 8260-ICV,59989:0

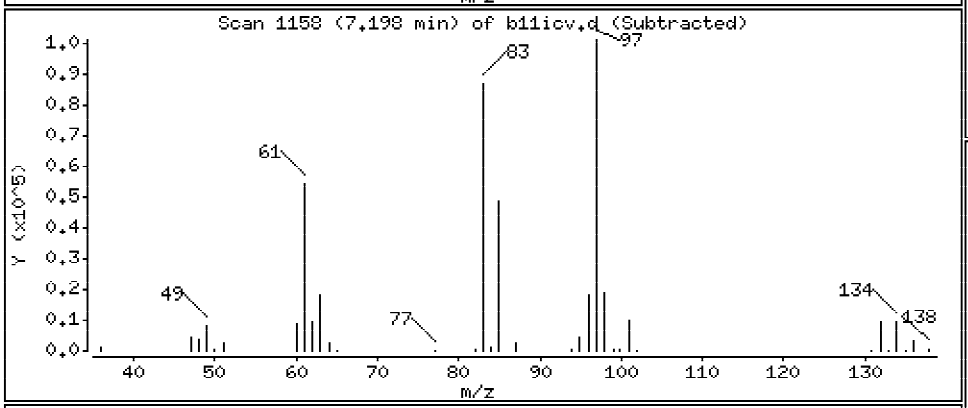
Purge Volume: 5.0 Operator: rsw

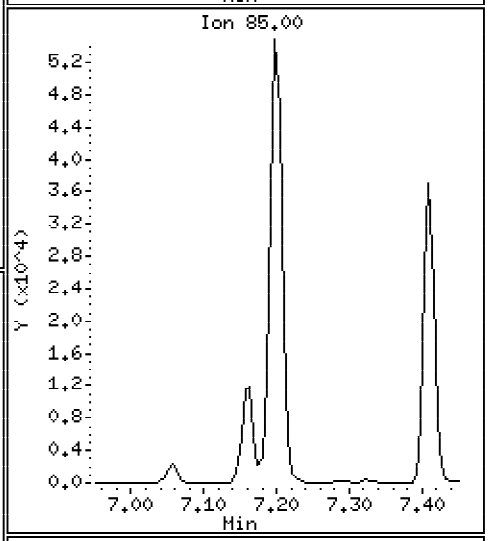
Column phase: DB-624 Column diameter: 0.18

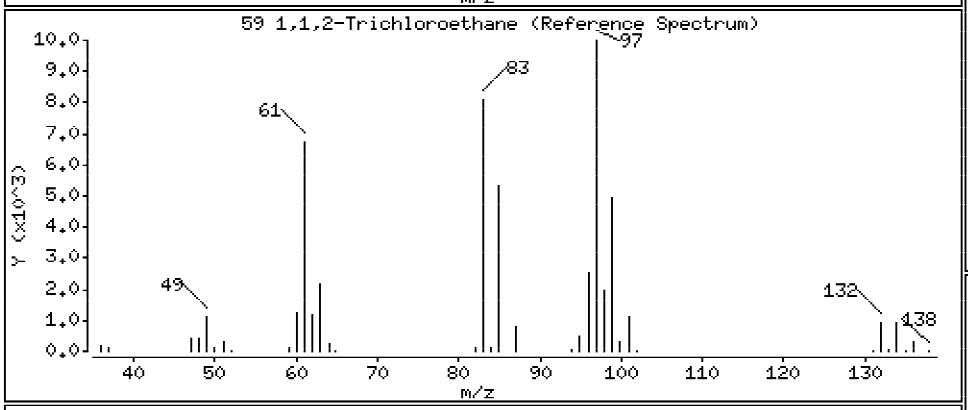
59 1,1,2-Trichloroethane Concentration: 49.7 ppb

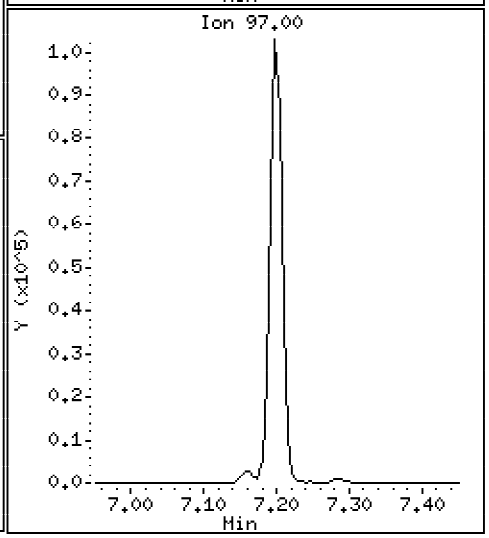


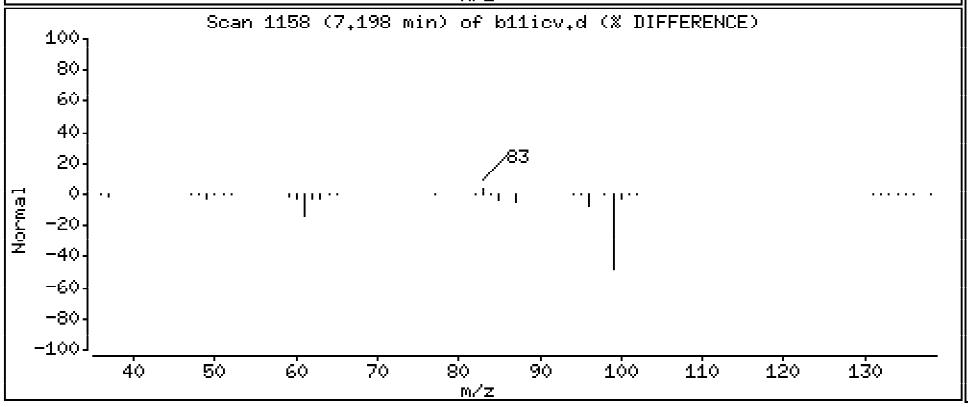












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 61

Date : 10-JAN-2014 21:40

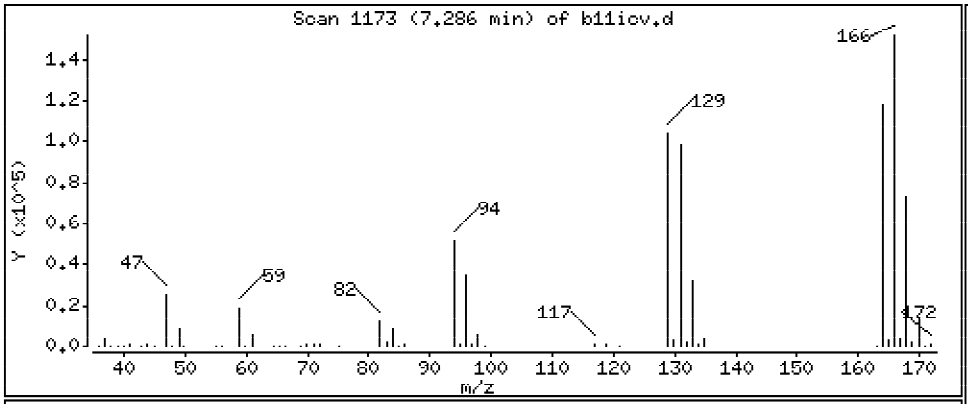
Client ID: 8260-ICV Instrument: 50mv4b.i

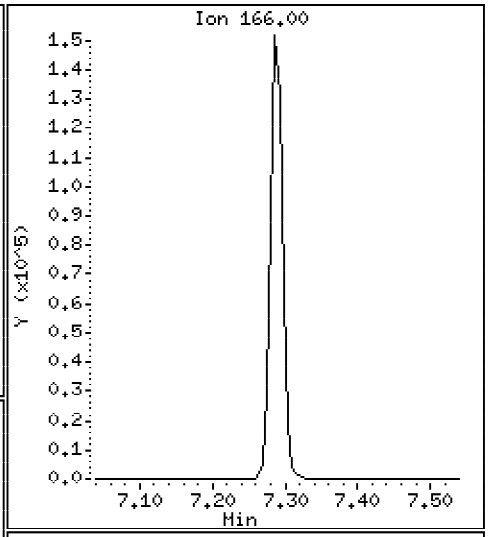
Sample Info: 8260-ICV,59989:0

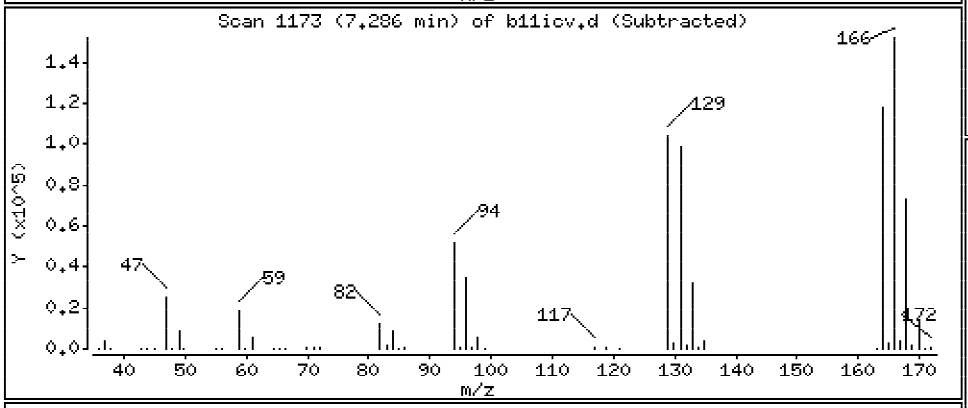
Purge Volume: 5.0 Operator: rsw

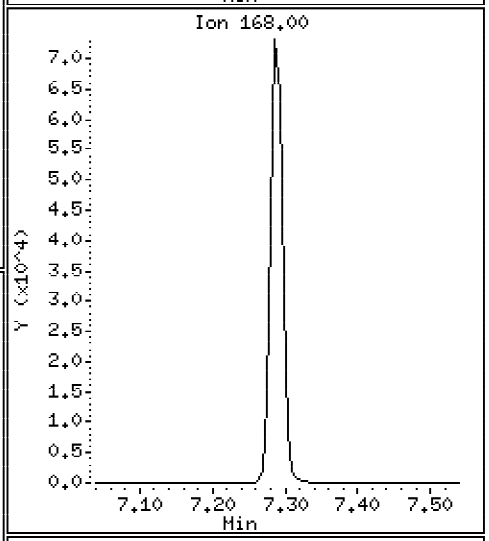
Column phase: DB-624 Column diameter: 0.18

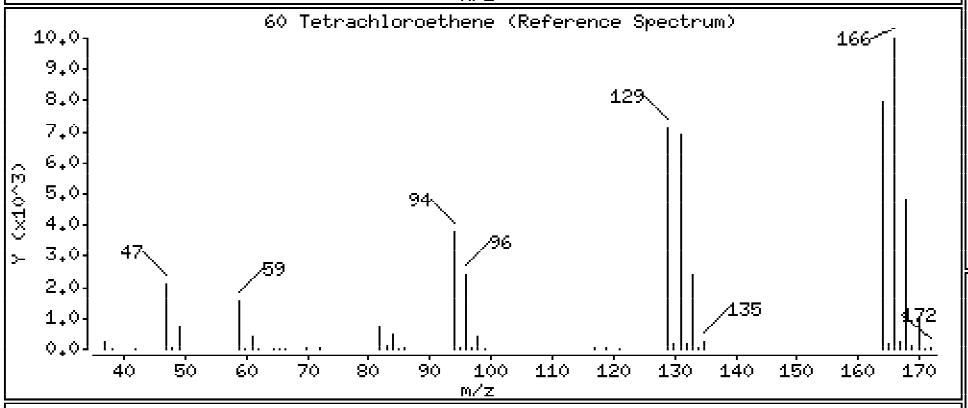
60 Tetrachloroethene Concentration: 48.9 ppb

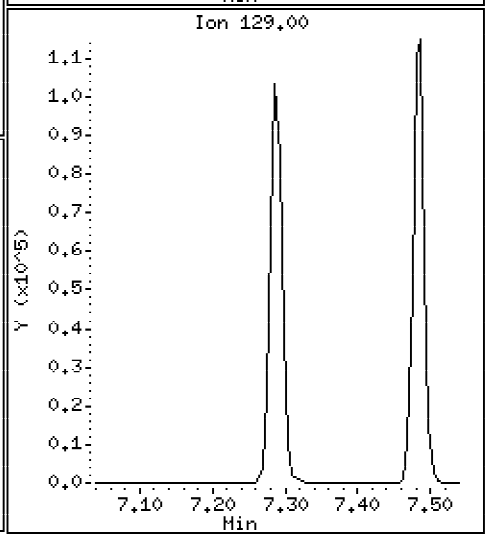


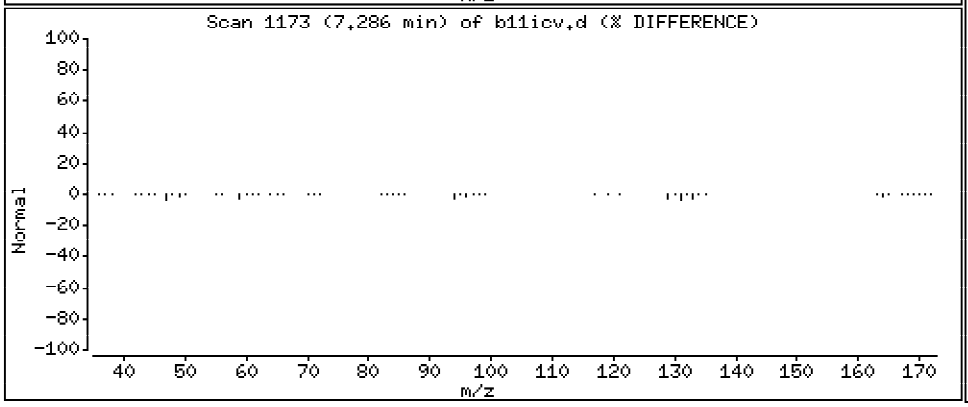












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 62

Date : 10-JAN-2014 21:40

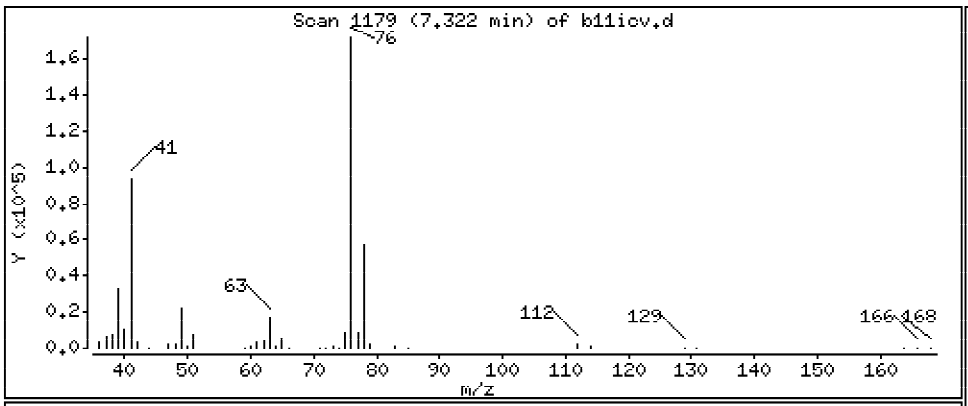
Client ID: 8260-ICV Instrument: 50mv4b.i

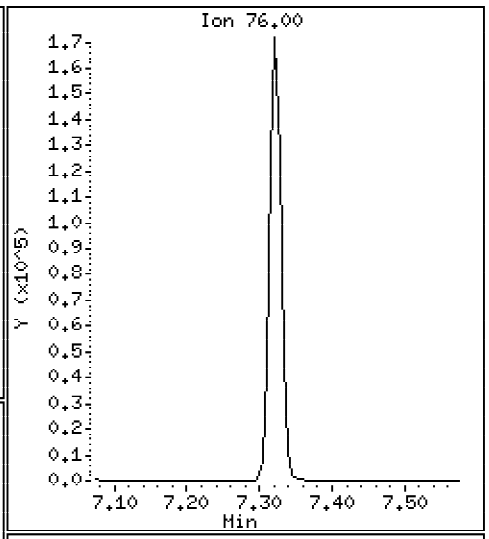
Sample Info: 8260-ICV,59989:0

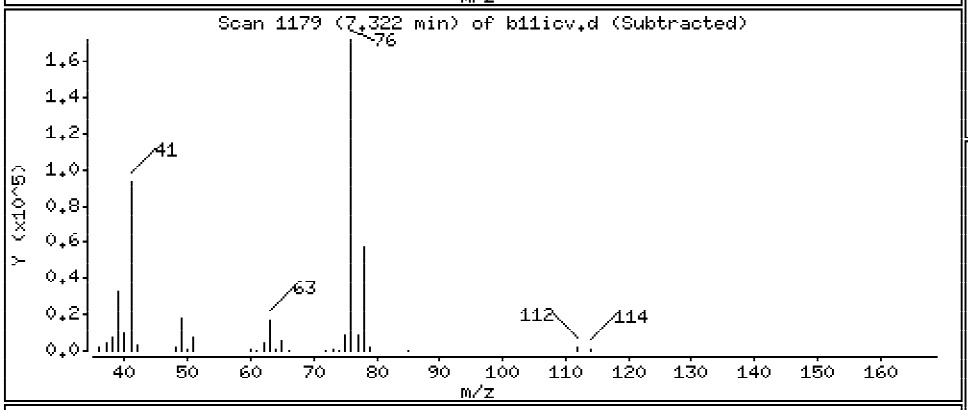
Purge Volume: 5.0 Operator: rsw

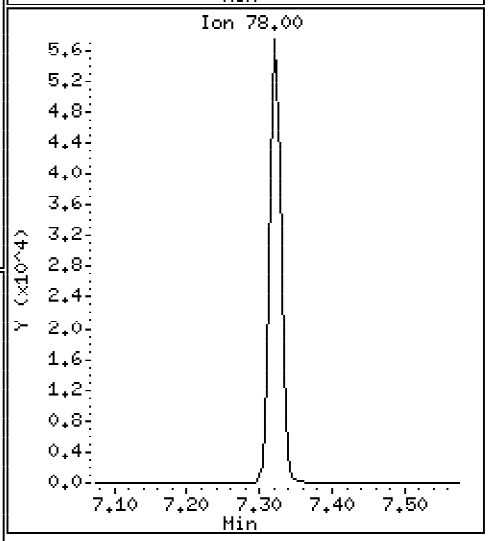
Column phase: DB-624 Column diameter: 0.18

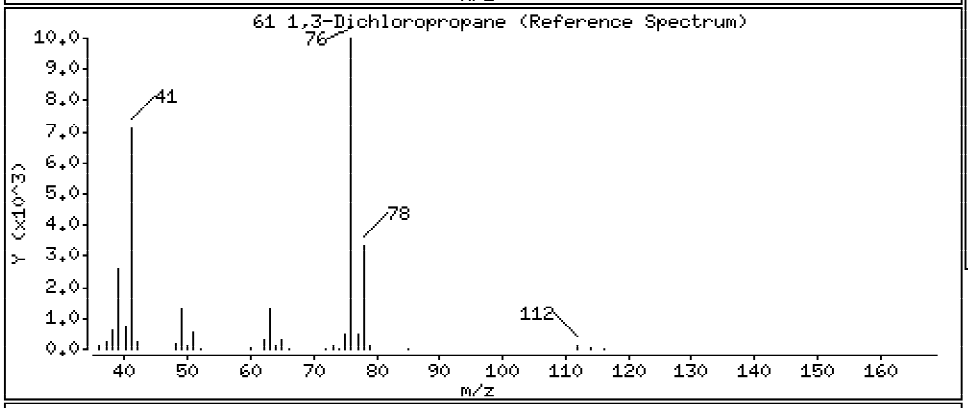
61 1,3-Dichloropropane Concentration: 47.4 ppb

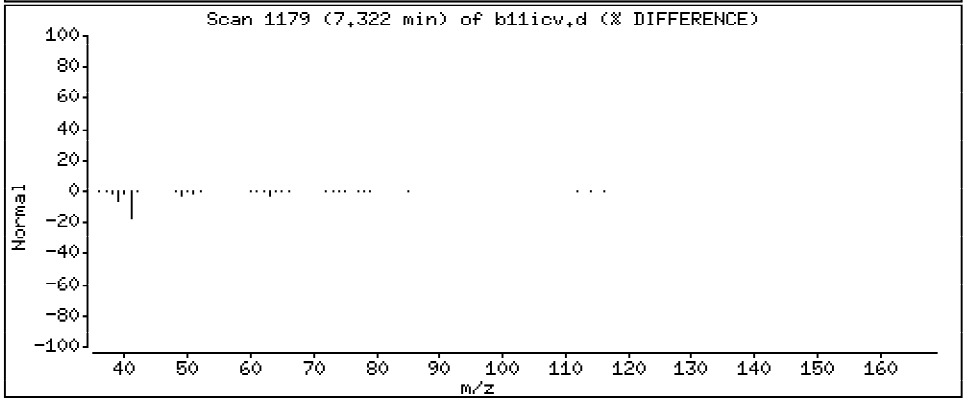












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 63

Date : 10-JAN-2014 21:40

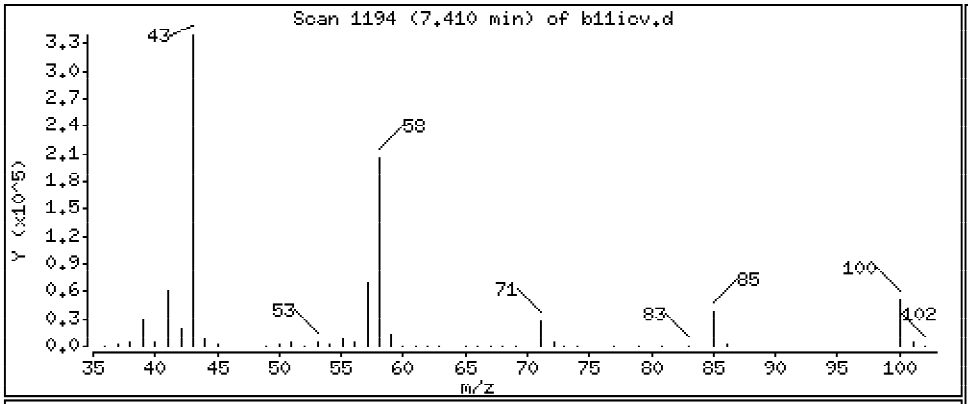
Client ID: 8260-ICV Instrument: 50mv4b.i

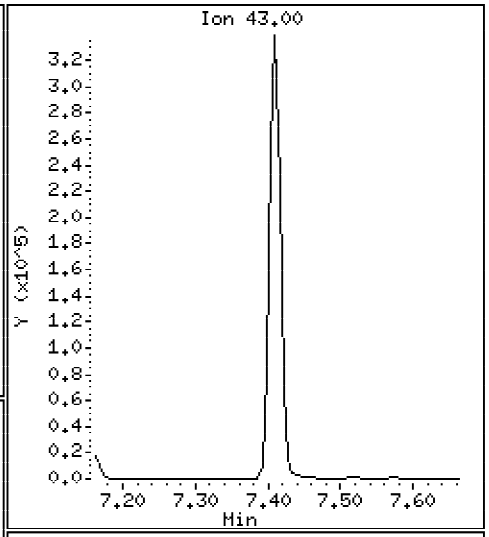
Sample Info: 8260-ICV,59989:0

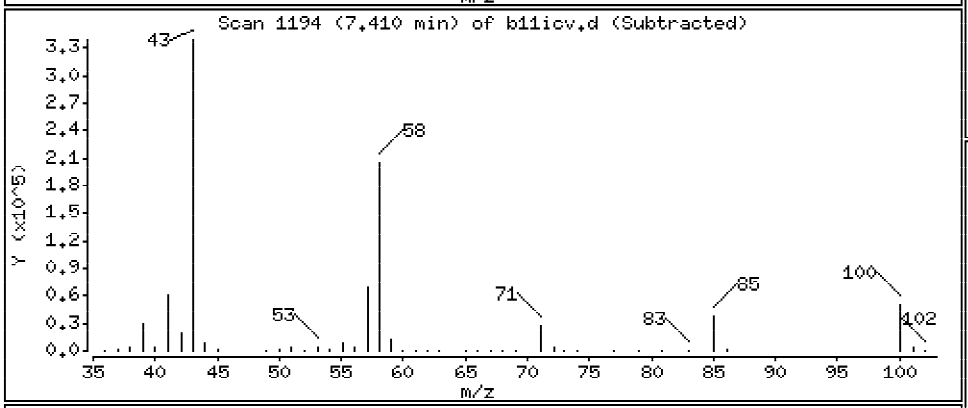
Purge Volume: 5.0 Operator: rsw

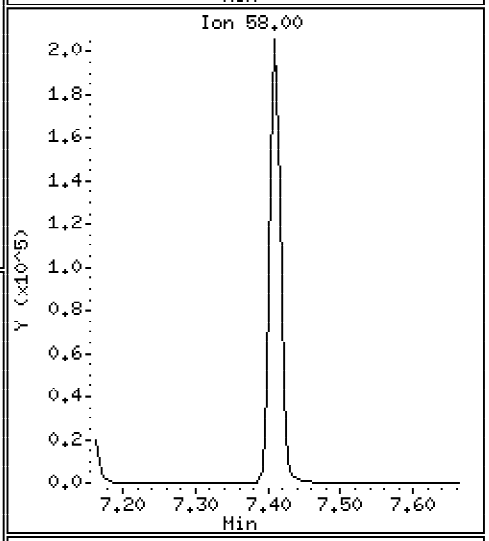
Column phase: DB-624 Column diameter: 0.18

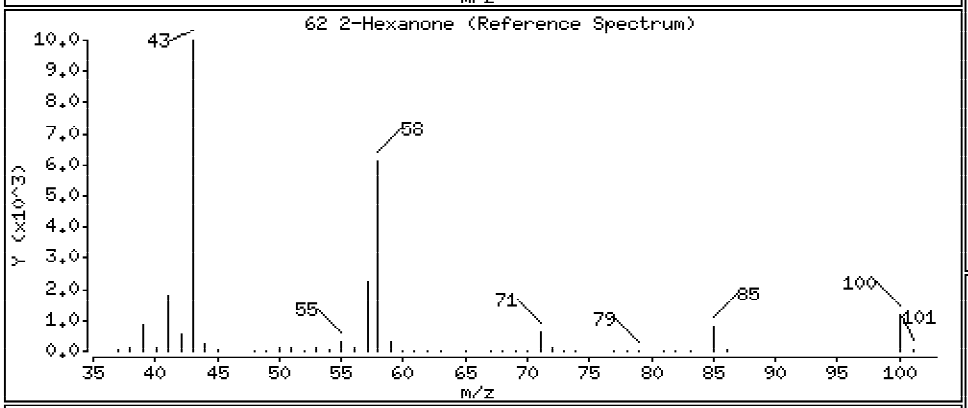
62 2-Hexanone Concentration: 248 ppb

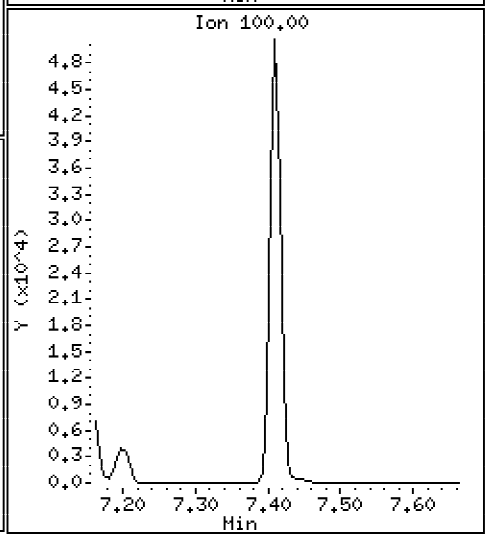


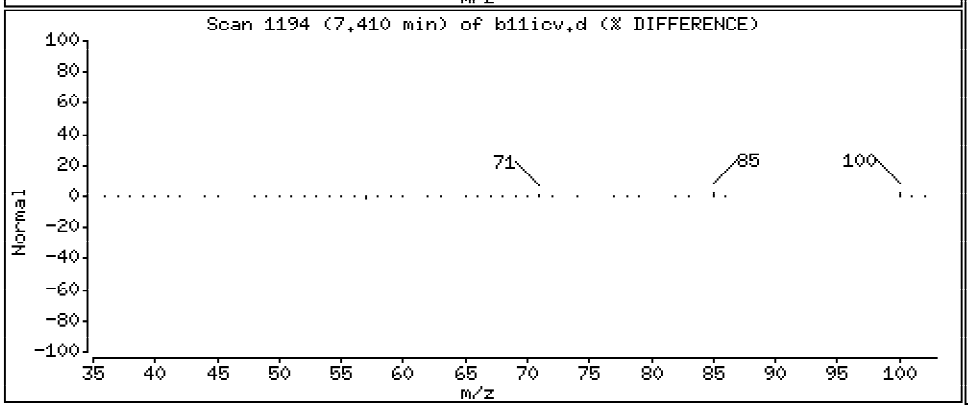












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 64

Date : 10-JAN-2014 21:40

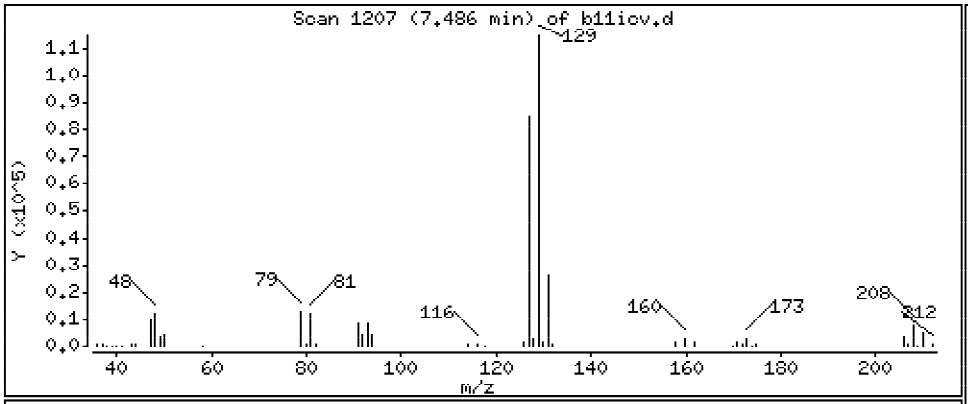
Client ID: 8260-ICV Instrument: 50mv4b.i

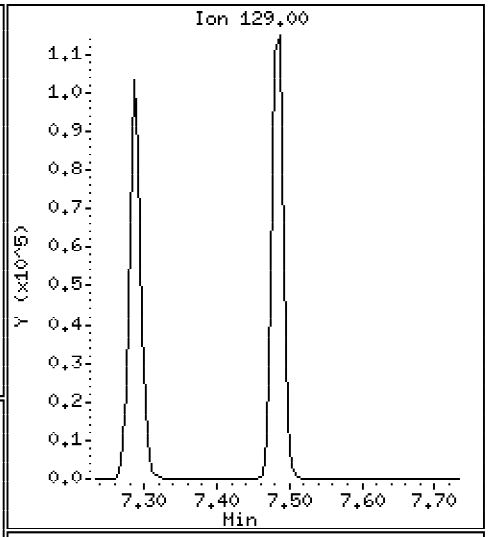
Sample Info: 8260-ICV,59989:0

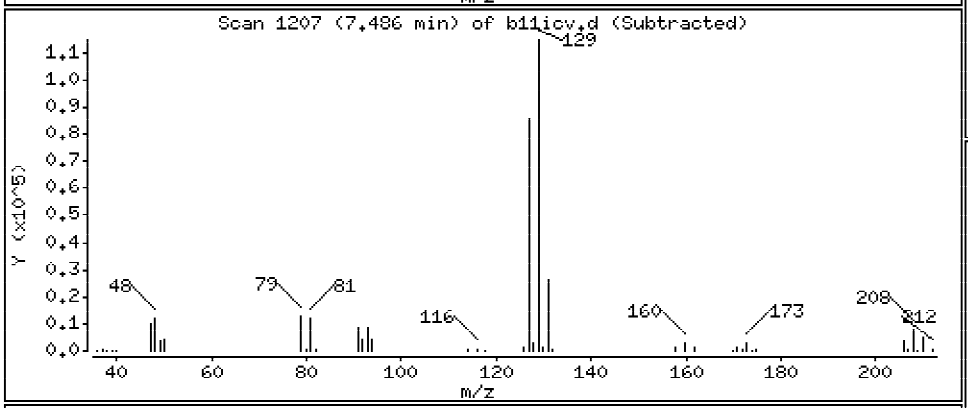
Purge Volume: 5.0 Operator: rsw

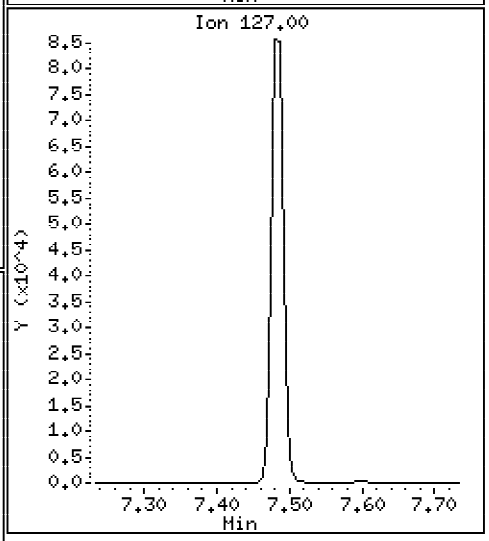
Column phase: DB-624 Column diameter: 0.18

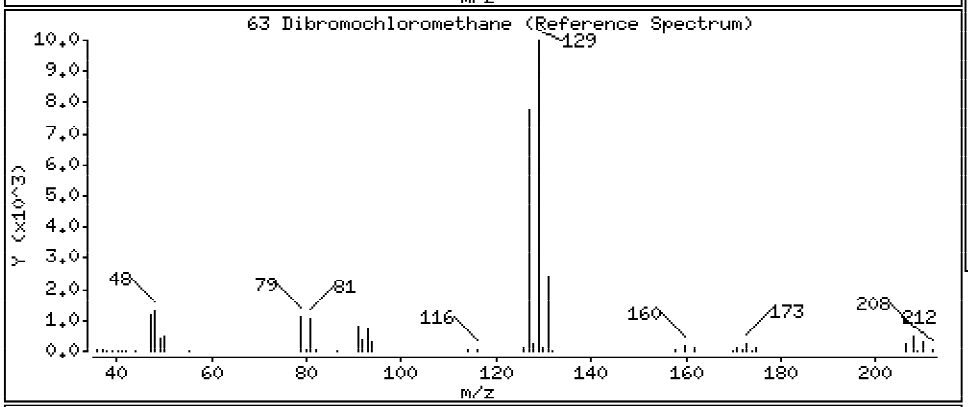
63 Dibromochloromethane Concentration: 45.3 ppb

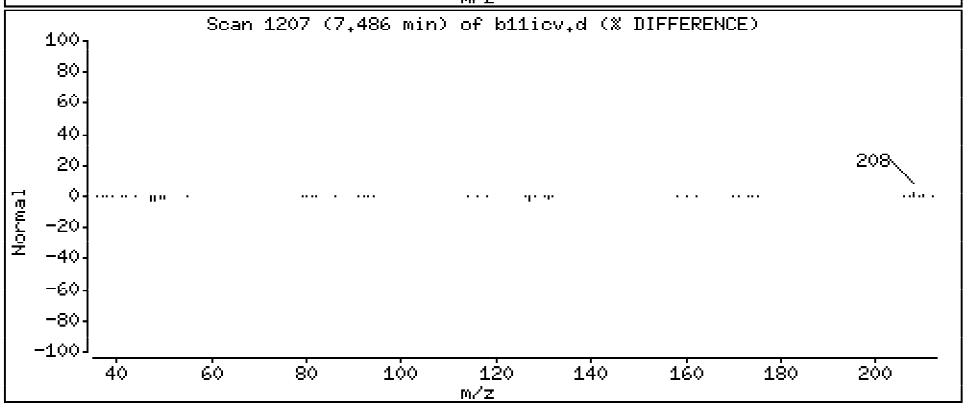












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 65

Date : 10-JAN-2014 21:40

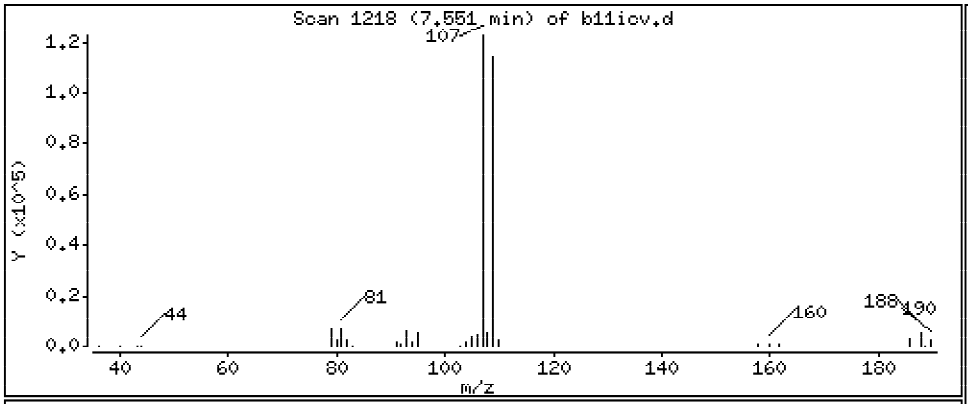
Client ID: 8260-ICV Instrument: 50mv4b.i

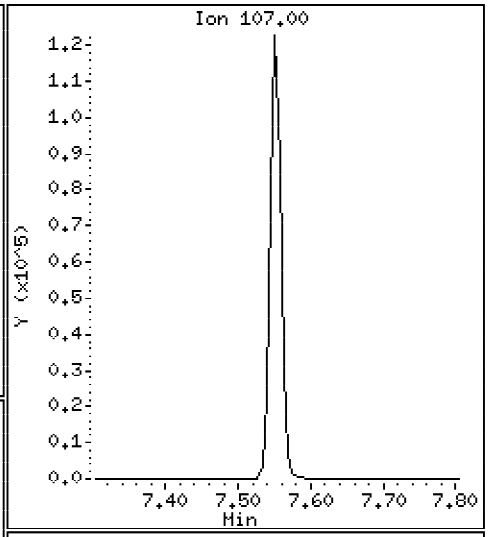
Sample Info: 8260-ICV,59989:0

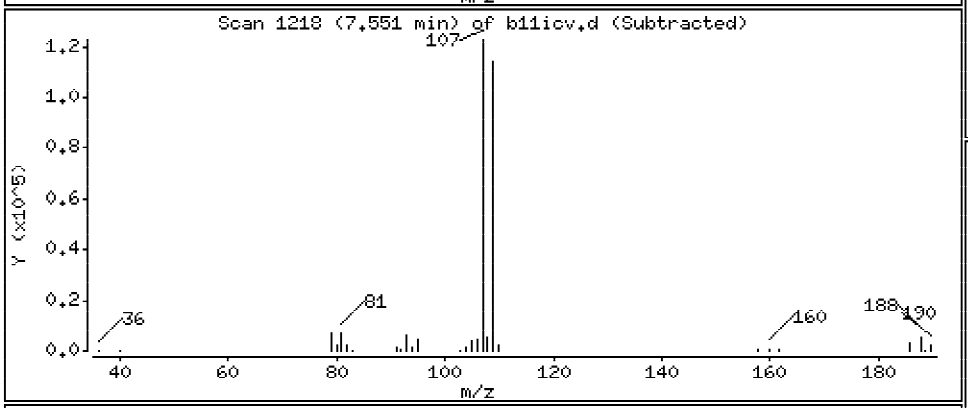
Purge Volume: 5.0 Operator: rsw

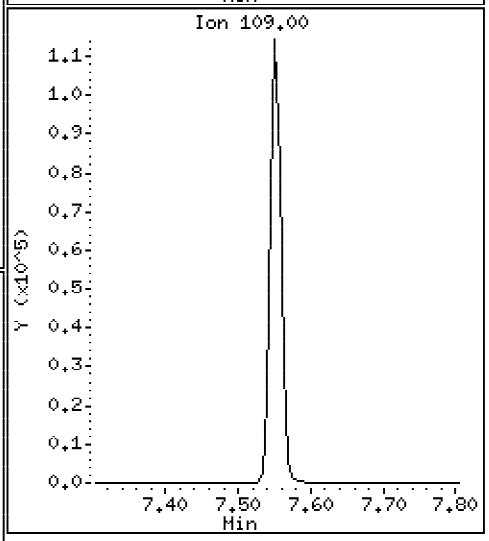
Column phase: DB-624 Column diameter: 0.18

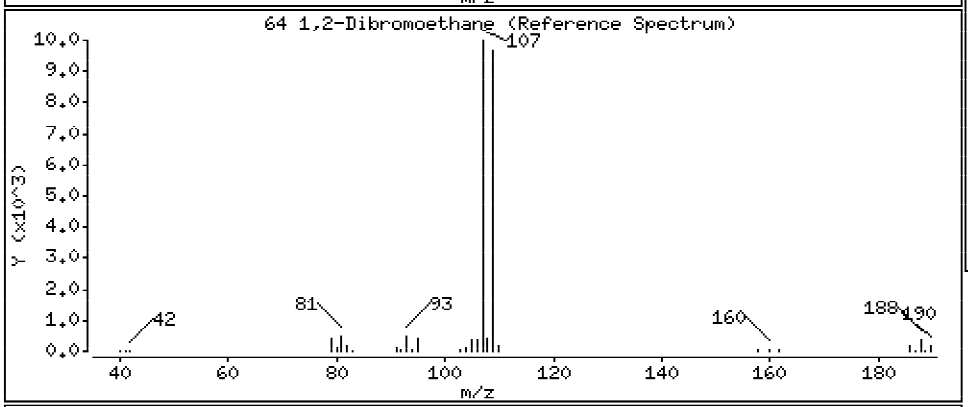
64 1,2-Dibromoethane Concentration: 51.1 ppb

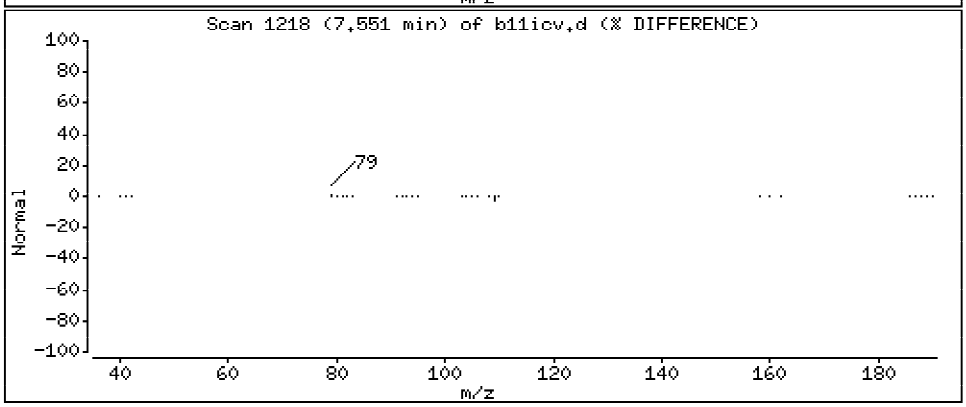












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 66

Date : 10-JAN-2014 21:40

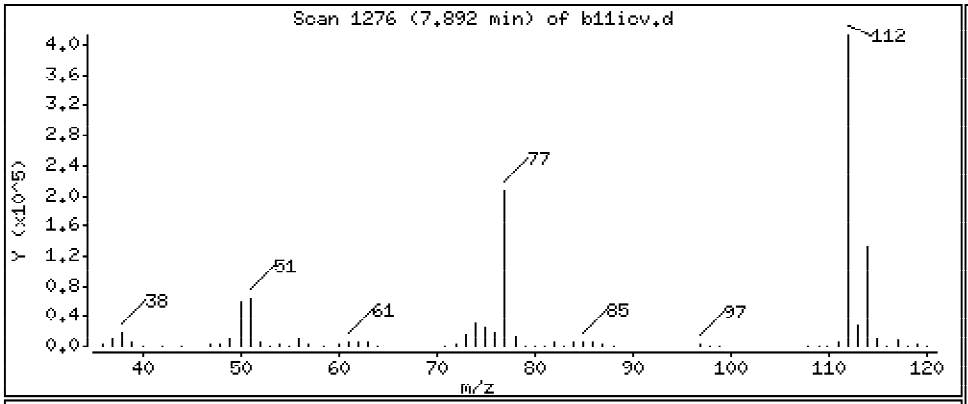
Client ID: 8260-ICV Instrument: 50mv4b.i

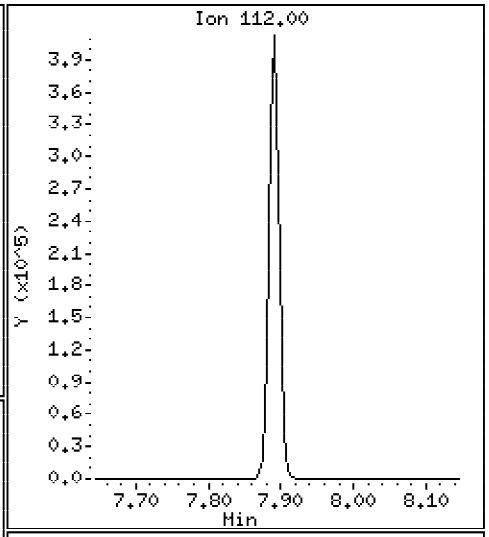
Sample Info: 8260-ICV,59989:0

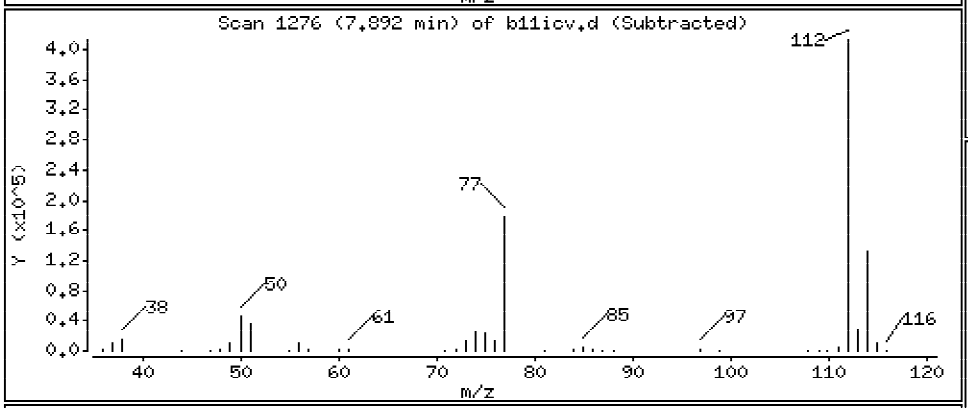
Purge Volume: 5.0 Operator: rsw

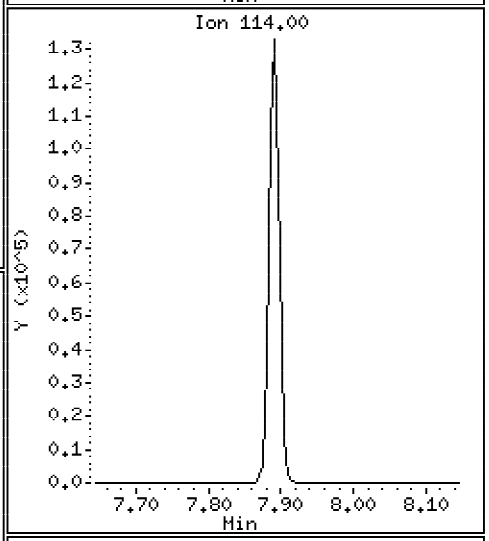
Column phase: DB-624 Column diameter: 0.18

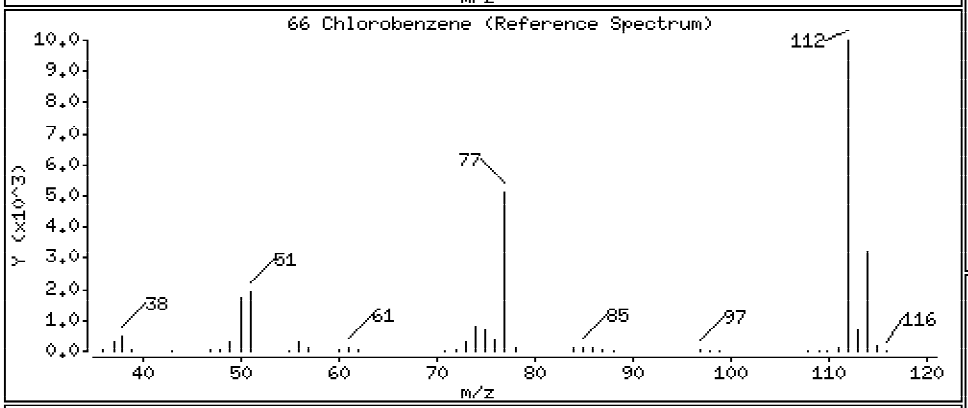
66 Chlorobenzene Concentration: 48.0 ppb

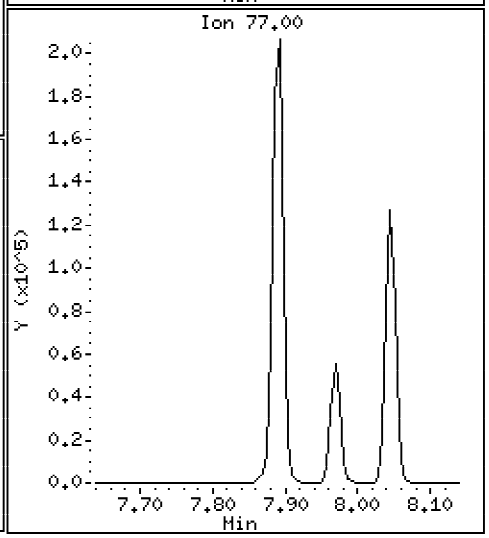


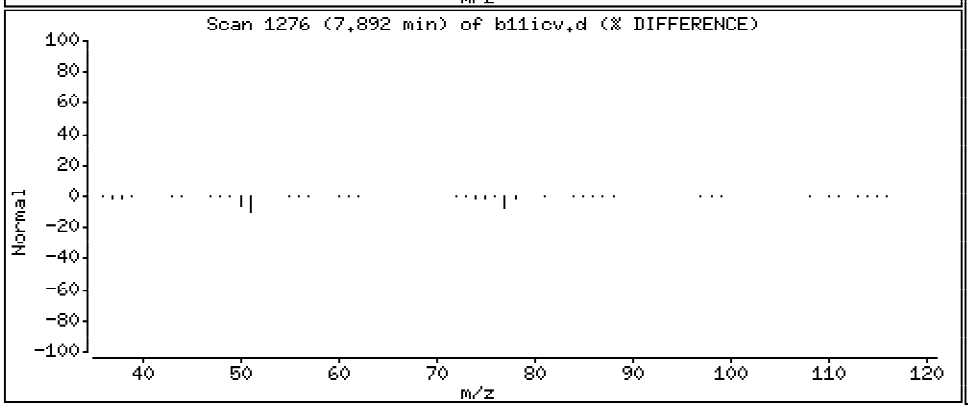












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 67

Date : 10-JAN-2014 21:40

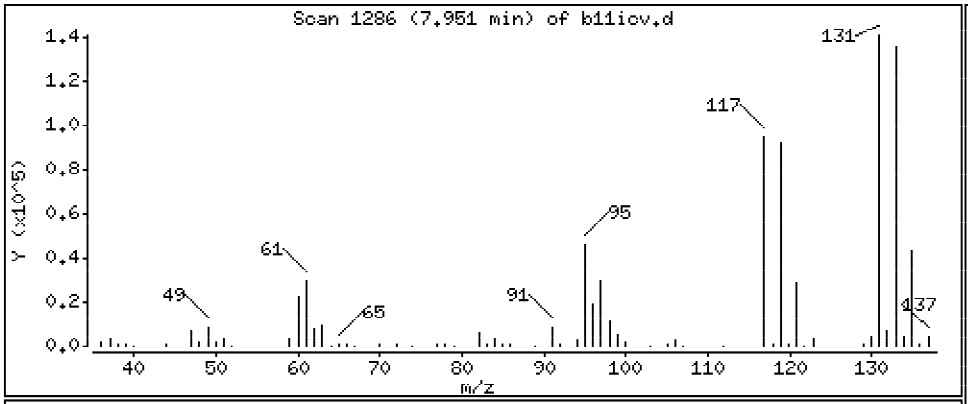
Client ID: 8260-ICV Instrument: 50mv4b.i

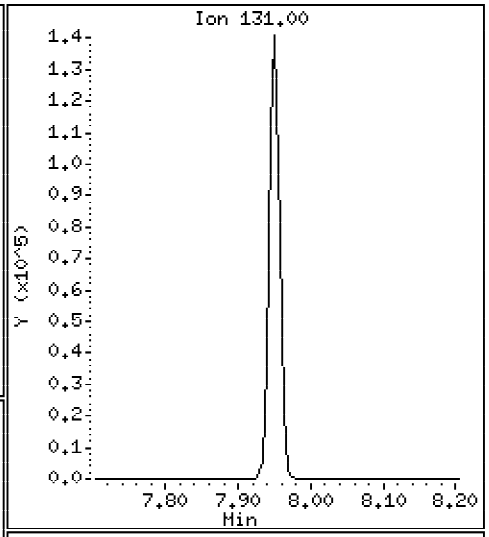
Sample Info: 8260-ICV,59989:0

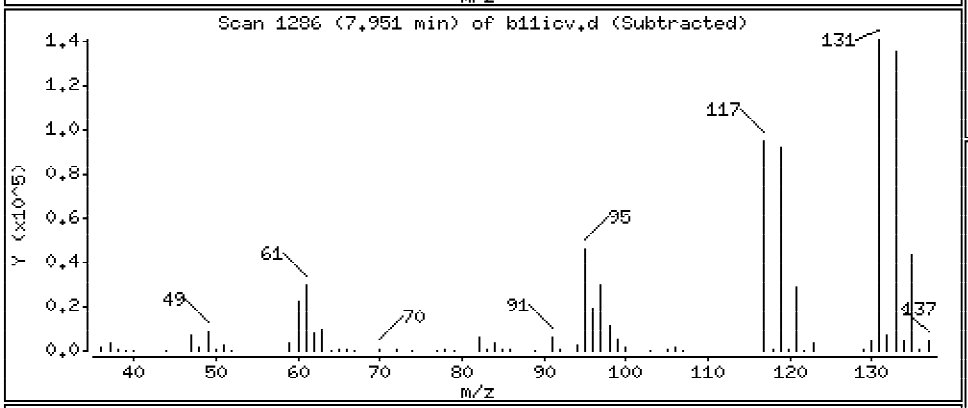
Purge Volume: 5.0 Operator: rsw

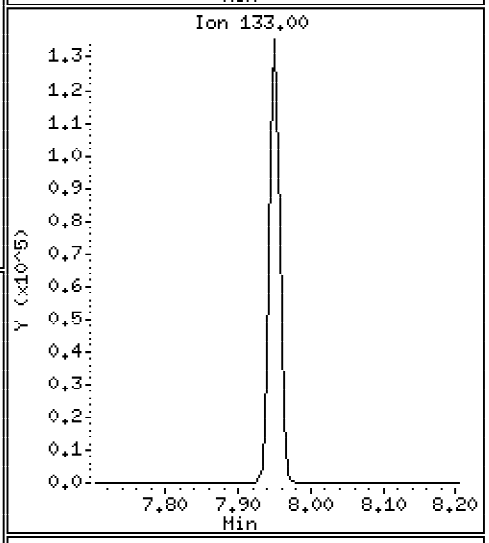
Column phase: DB-624 Column diameter: 0.18

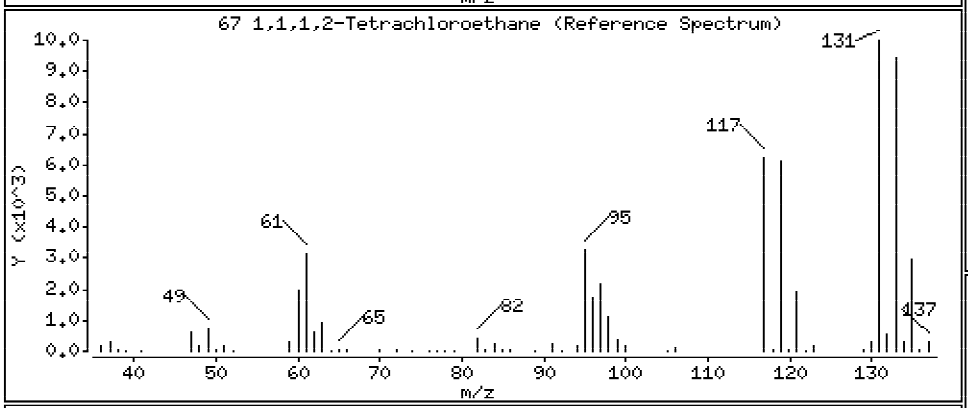
67 1,1,1,2-Tetrachloroethane Concentration: 55.7 ppb

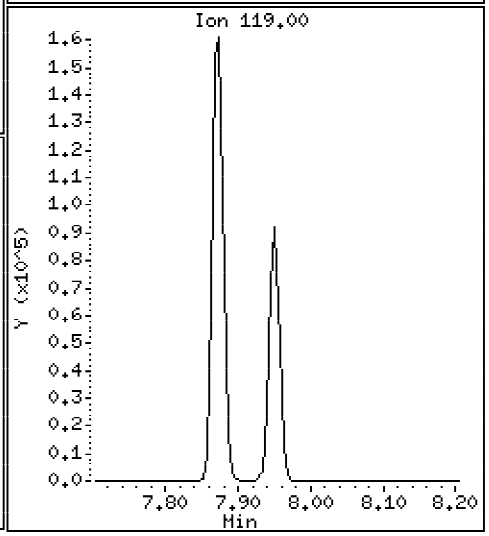


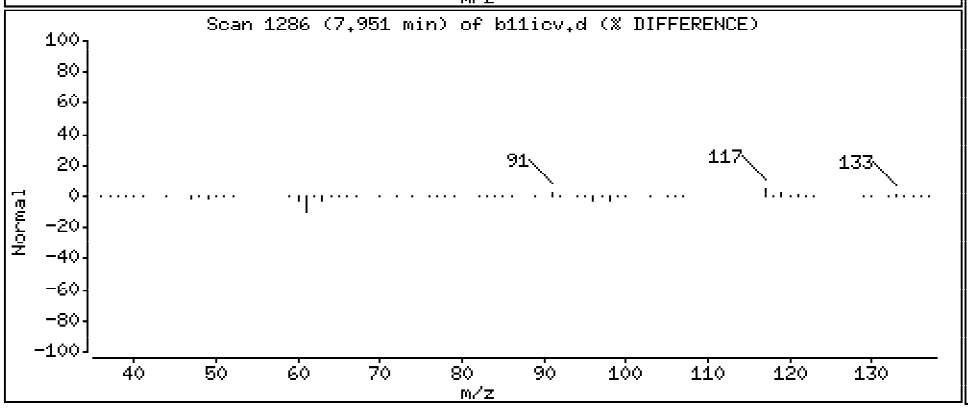












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 68

Date : 10-JAN-2014 21:40

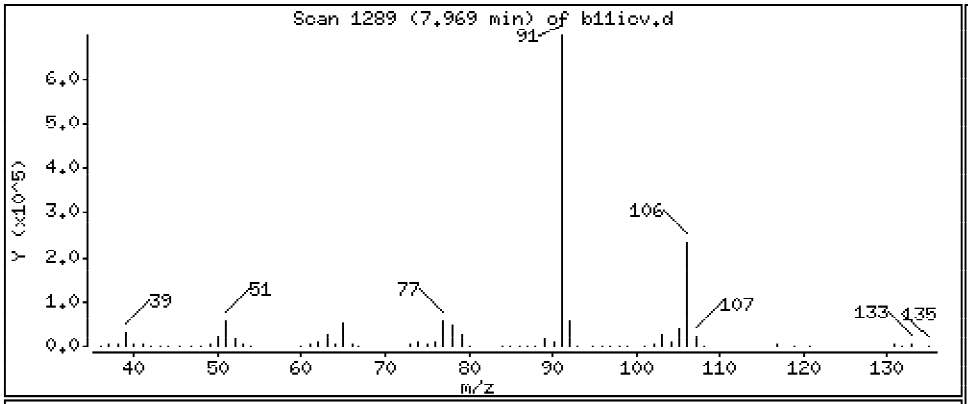
Client ID: 8260-ICV Instrument: 50mv4b.i

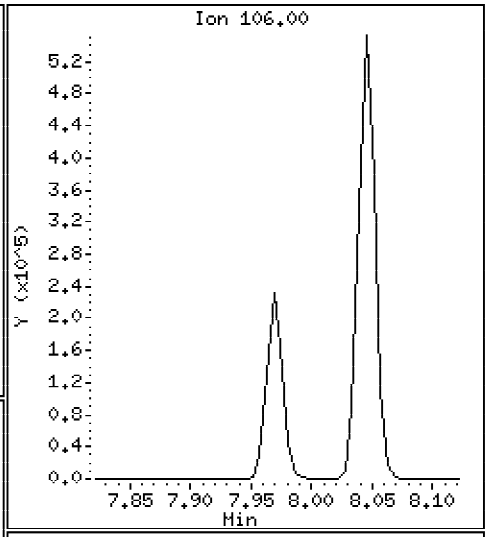
Sample Info: 8260-ICV,59989:0

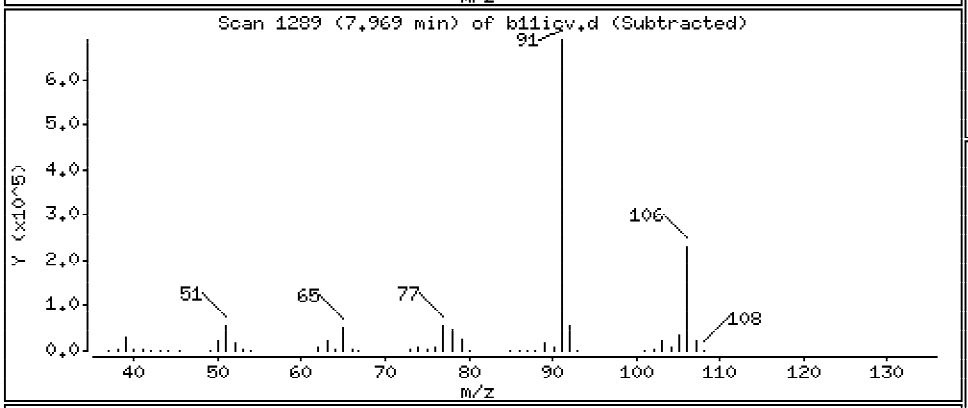
Purge Volume: 5.0 Operator: rsw

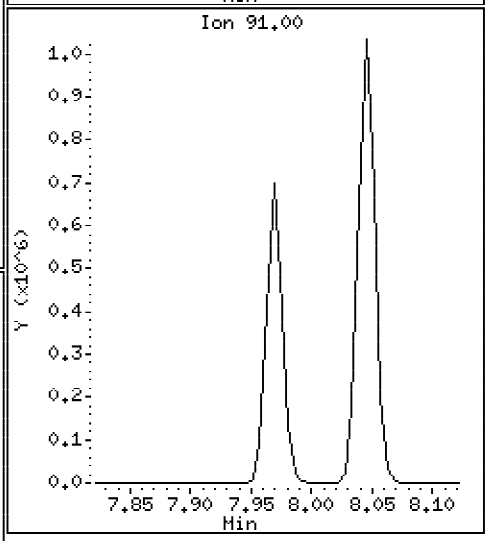
Column phase: DB-624 Column diameter: 0.18

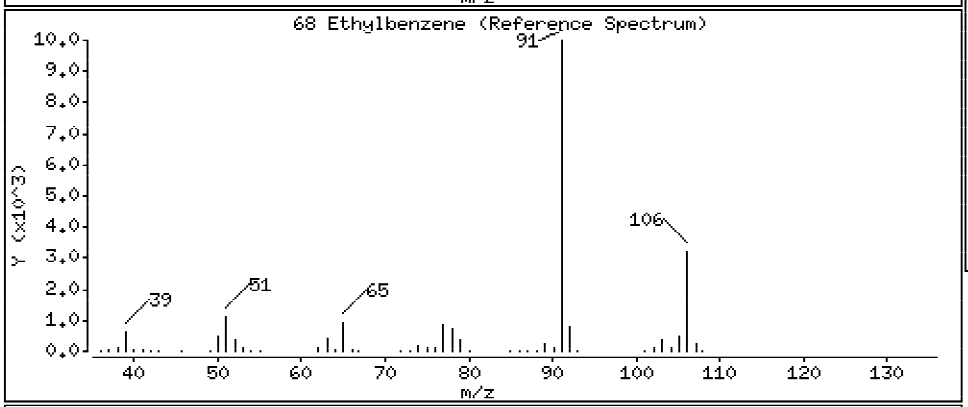
68 Ethylbenzene Concentration: 49.9 ppb

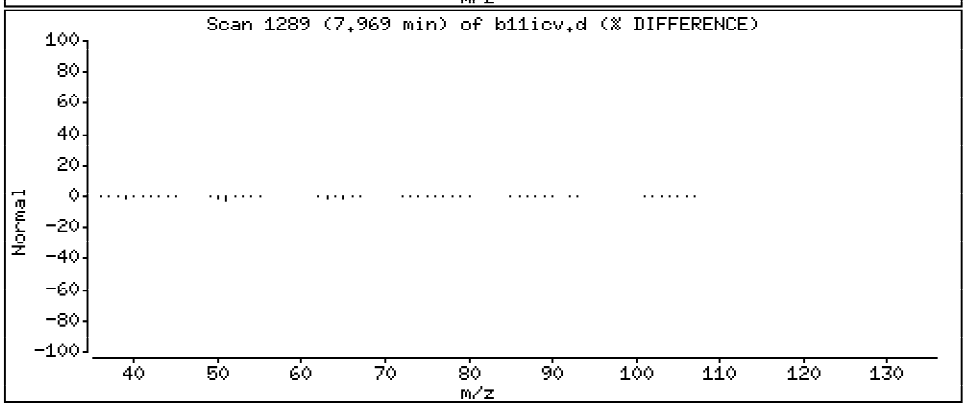












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 69

Date : 10-JAN-2014 21:40

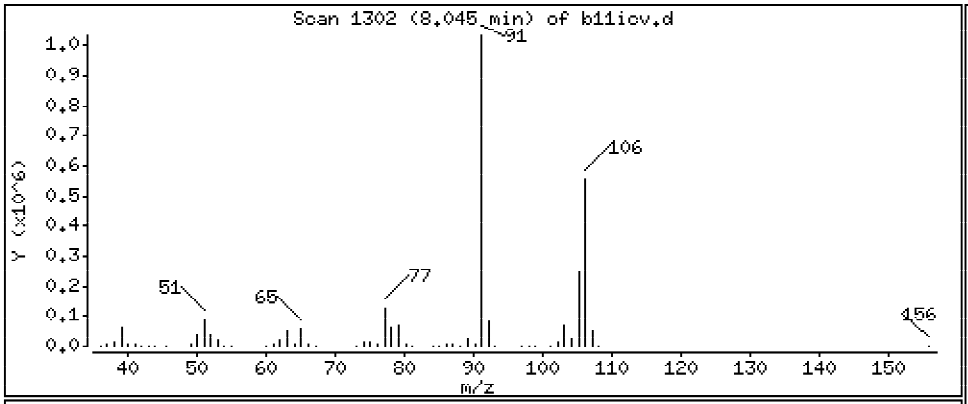
Client ID: 8260-ICV Instrument: 50mv4b.i

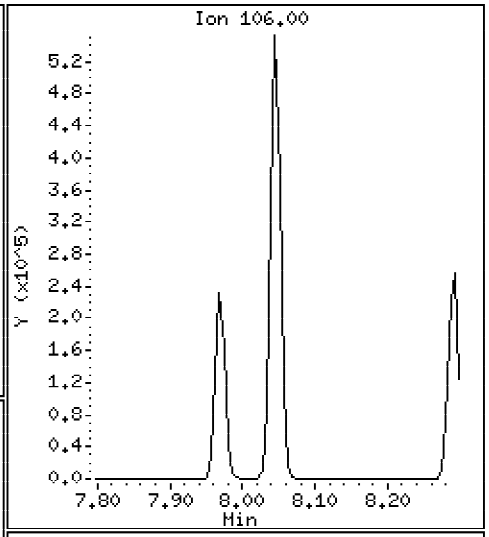
Sample Info: 8260-ICV,59989:0

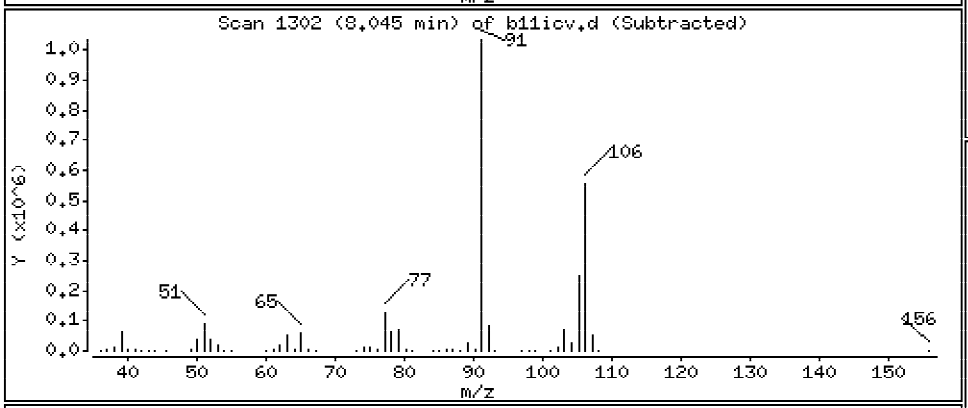
Purge Volume: 5.0 Operator: rsw

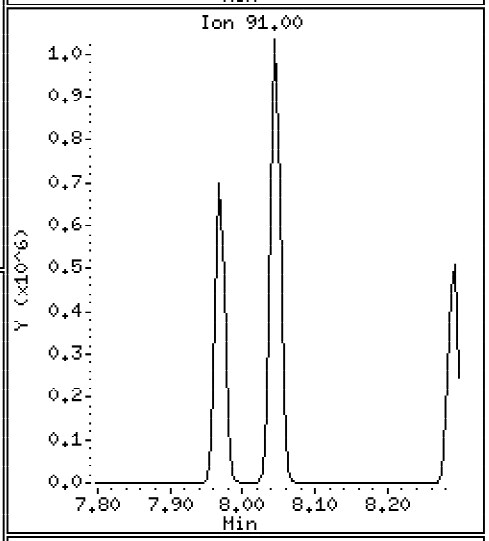
Column phase: DB-624 Column diameter: 0.18

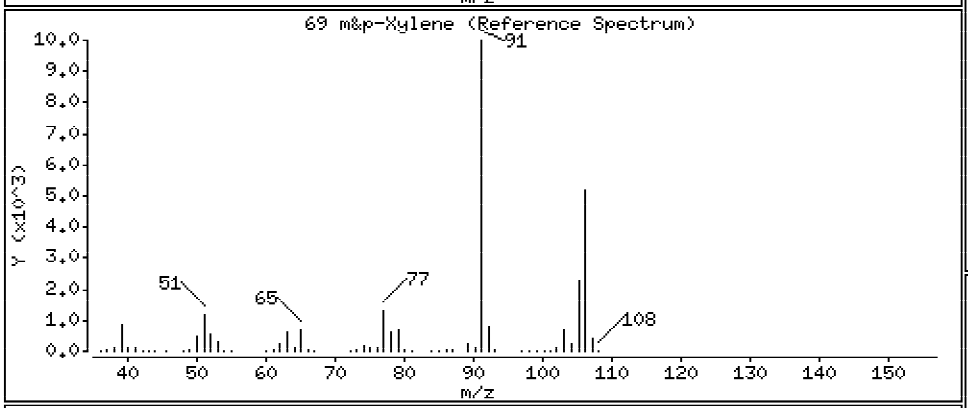
69 m&p-Xylene Concentration: 103 ppb

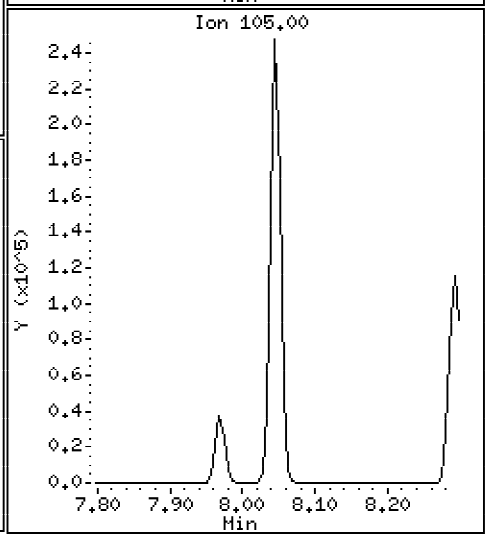


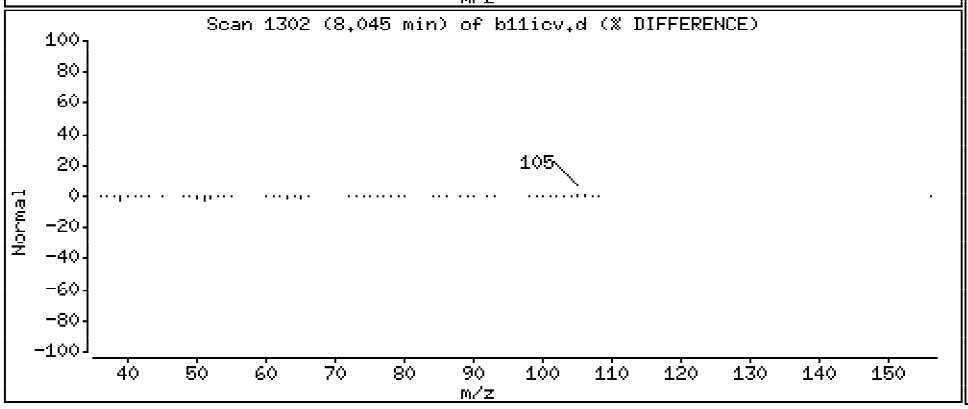












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 70

Date : 10-JAN-2014 21:40

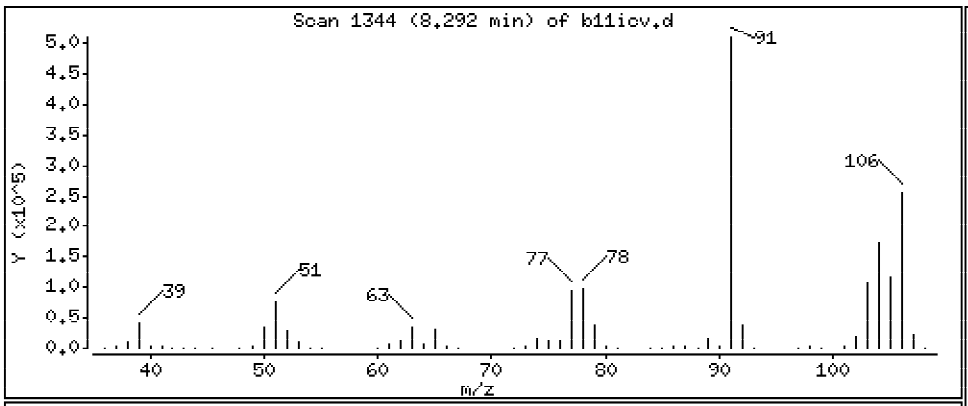
Client ID: 8260-ICV Instrument: 50mv4b.i

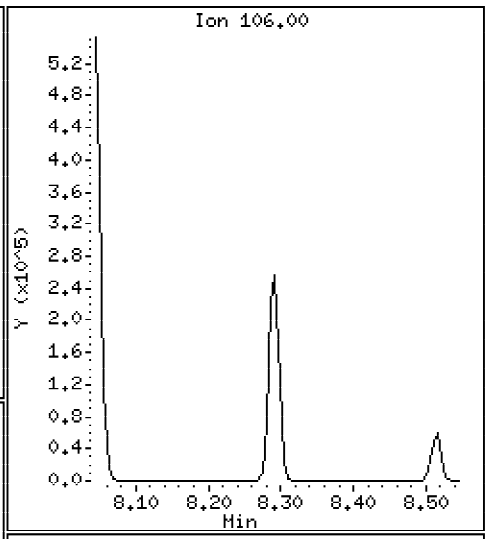
Sample Info: 8260-ICV,59989:0

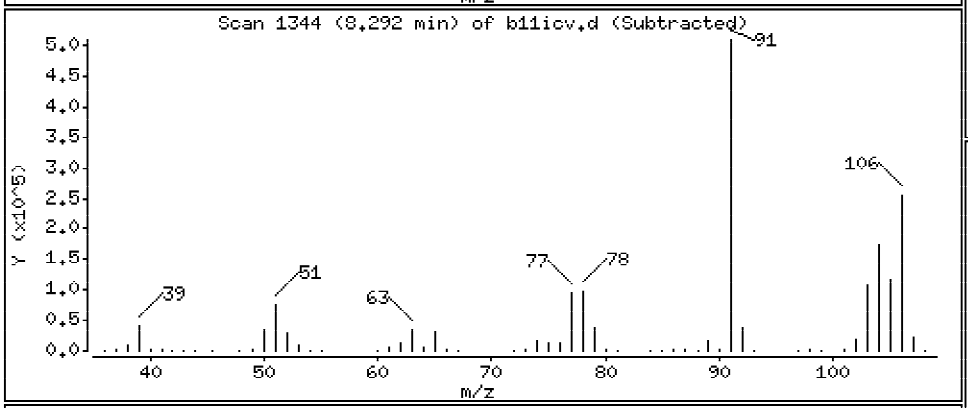
Purge Volume: 5.0 Operator: rsw

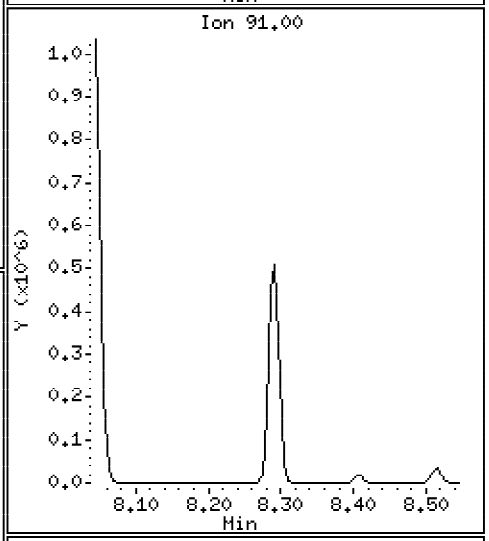
Column phase: DB-624 Column diameter: 0.18

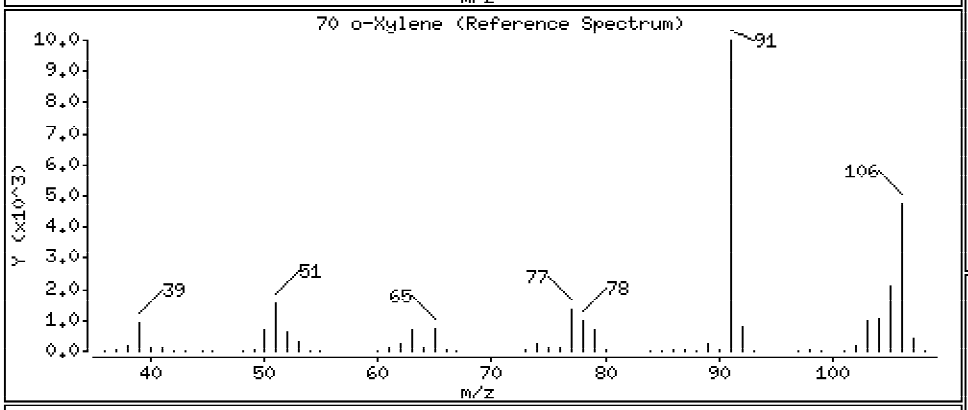
70 o-Xylene Concentration: 50.5 ppb

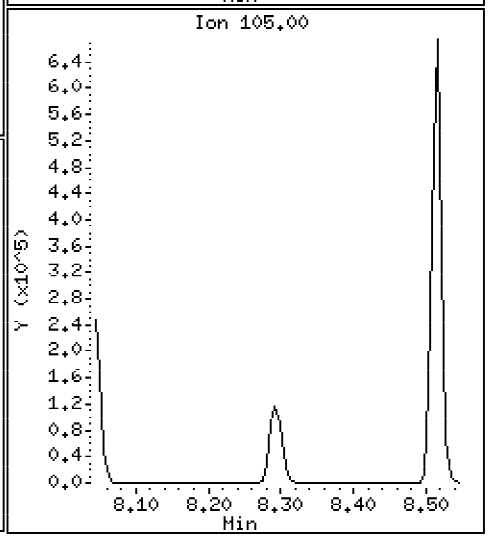


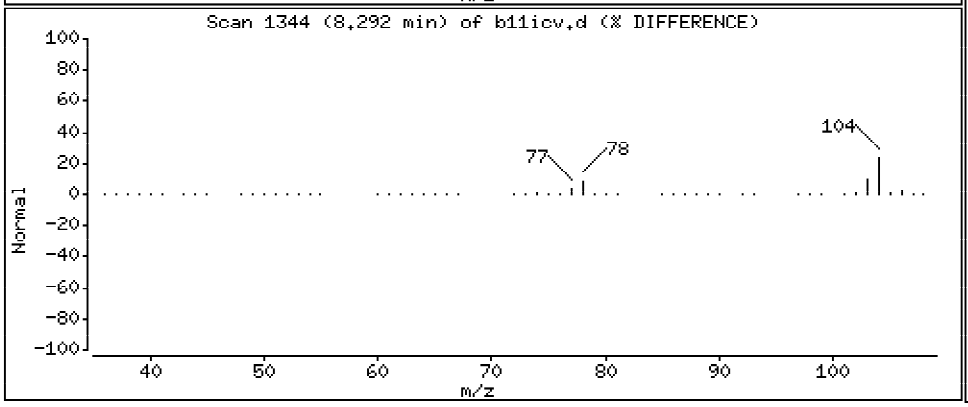












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 71

Date : 10-JAN-2014 21:40

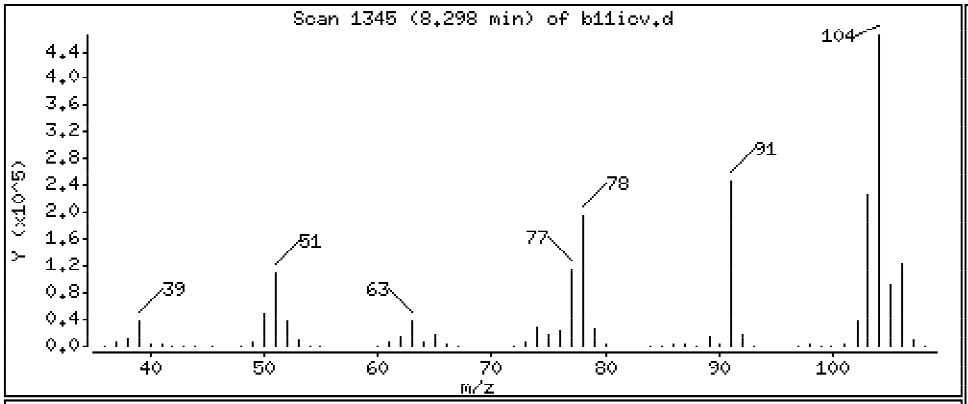
Client ID: 8260-ICV Instrument: 50mv4b.i

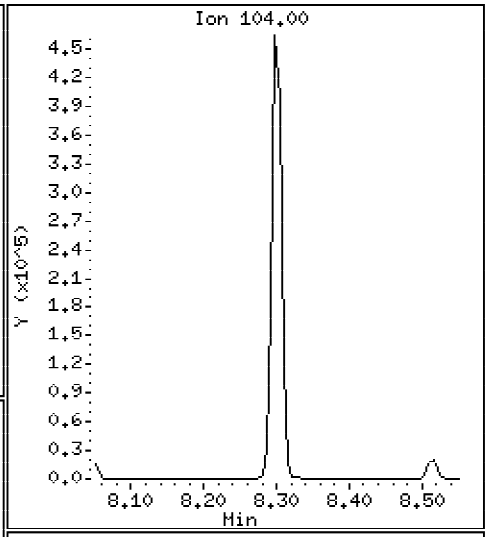
Sample Info: 8260-ICV,59989:0

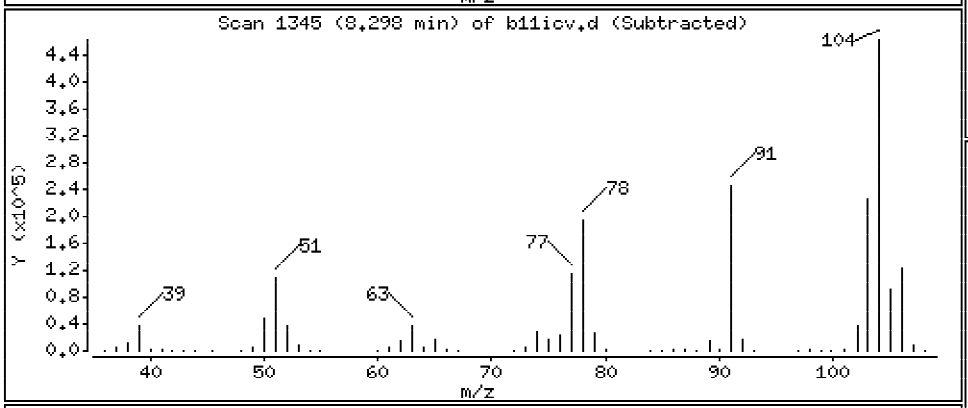
Purge Volume: 5.0 Operator: rsw

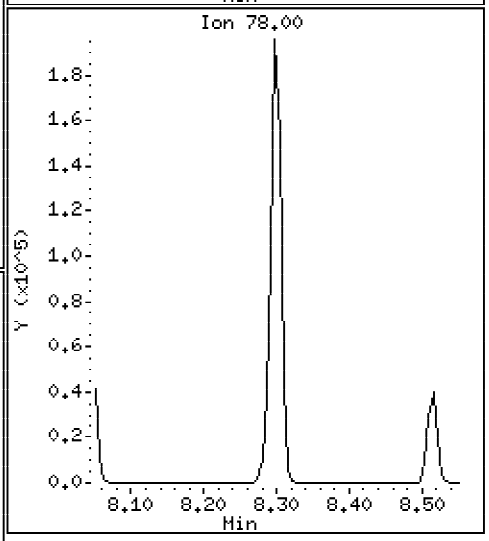
Column phase: DB-624 Column diameter: 0.18

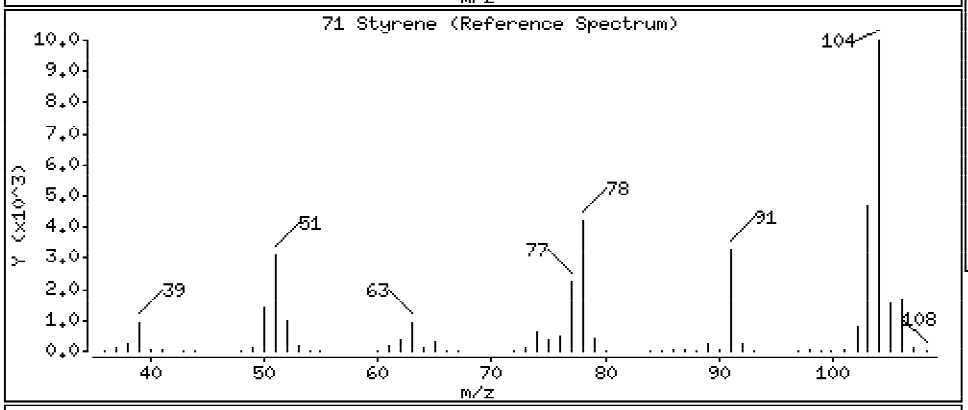
71 Styrene Concentration: 53.7 ppb

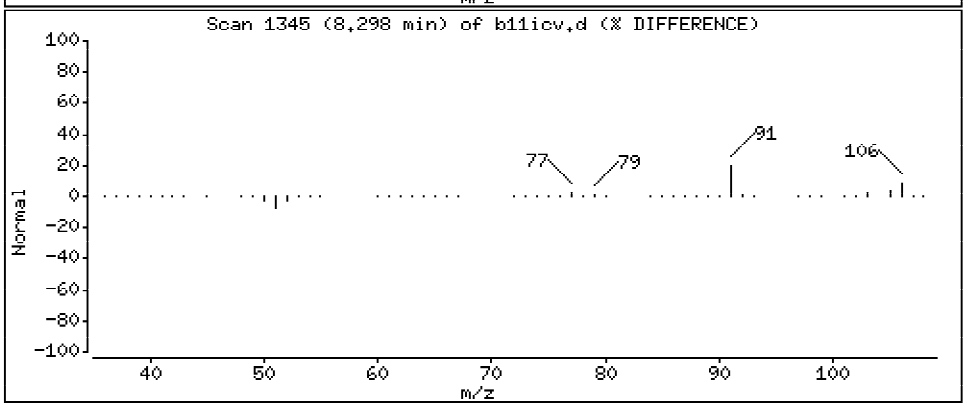












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 72

Date : 10-JAN-2014 21:40

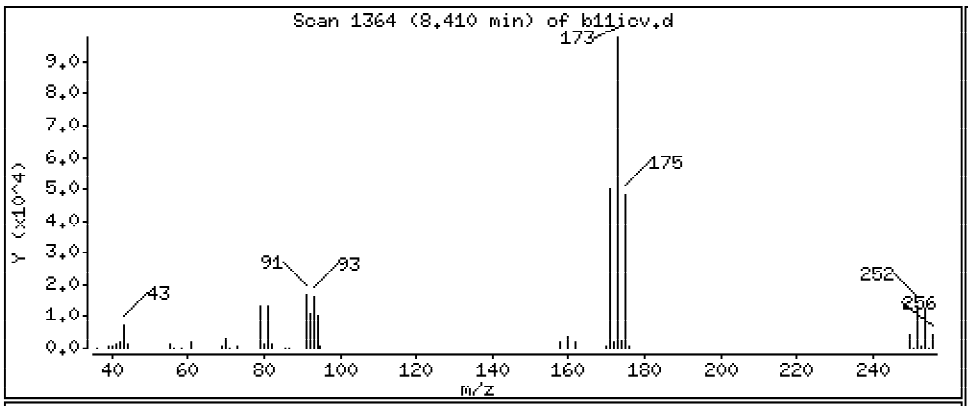
Client ID: 8260-ICV Instrument: 50mv4b.i

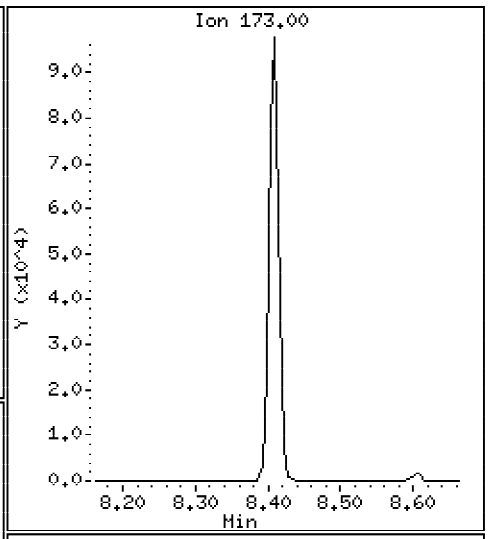
Sample Info: 8260-ICV,59989:0

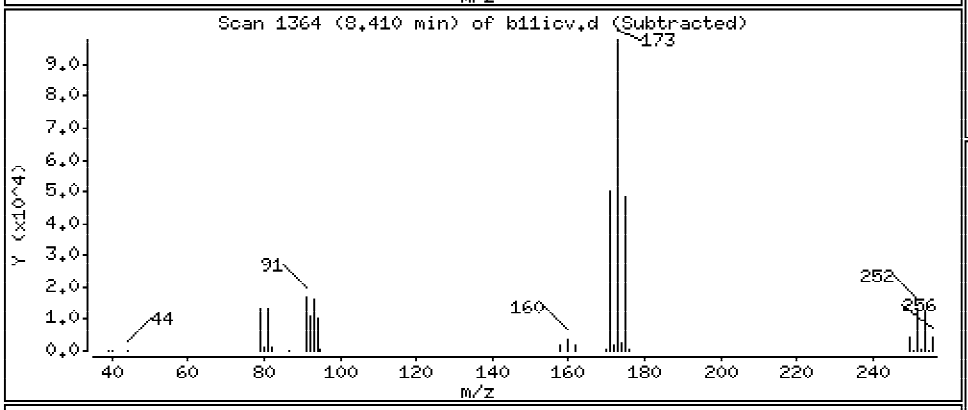
Purge Volume: 5.0 Operator: rsw

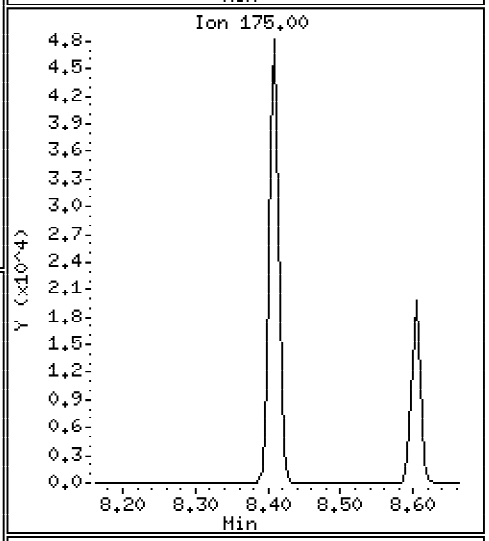
Column phase: DB-624 Column diameter: 0.18

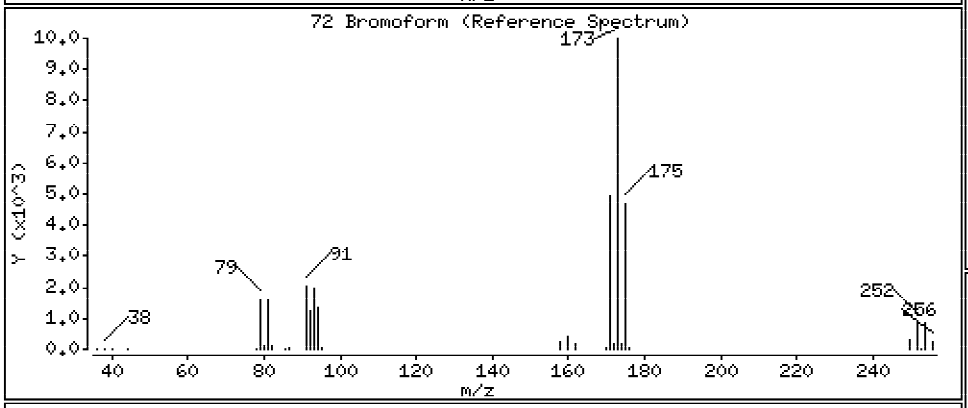
72 Bromoform Concentration: 45.2 ppb

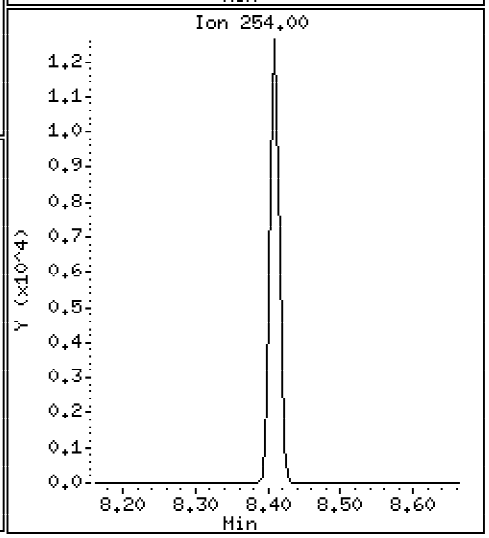


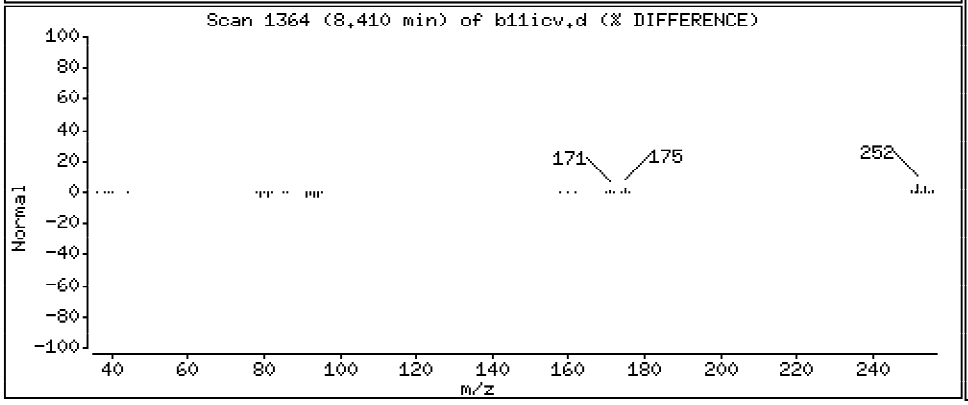












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 73

Date : 10-JAN-2014 21:40

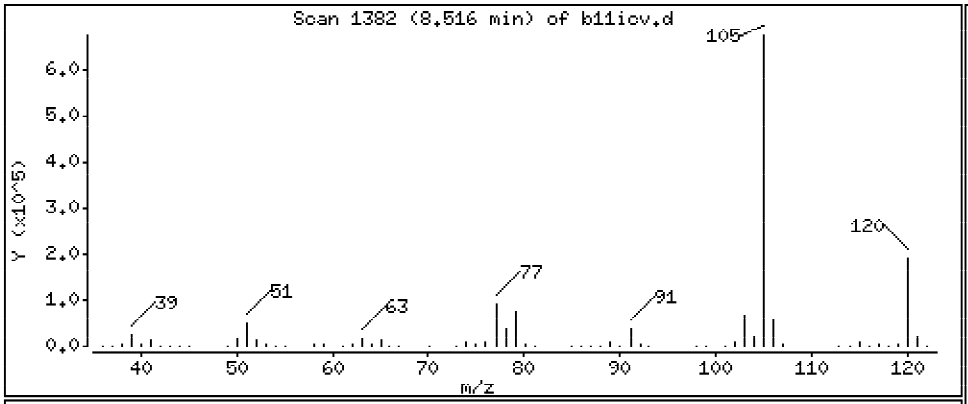
Client ID: 8260-ICV Instrument: 50mv4b.i

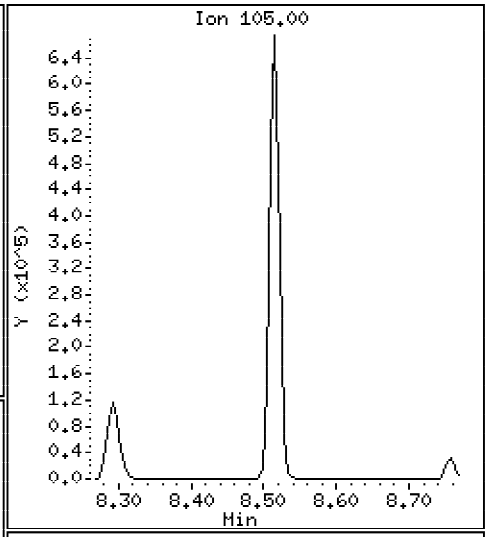
Sample Info: 8260-ICV,59989:0

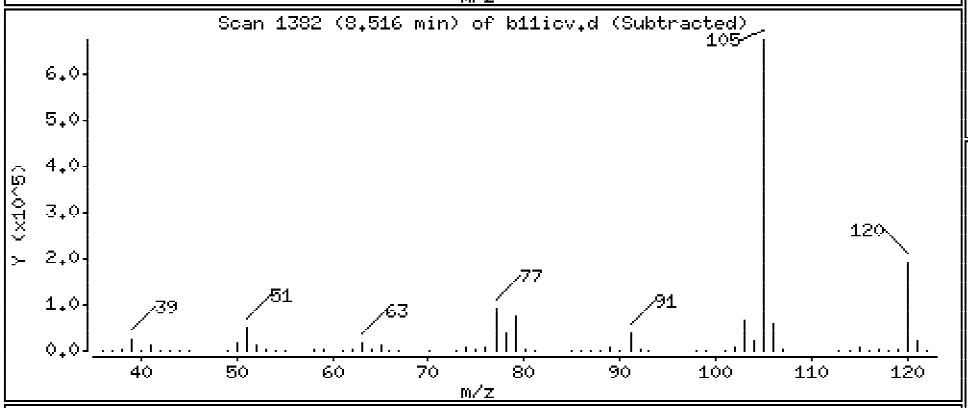
Purge Volume: 5.0 Operator: rsw

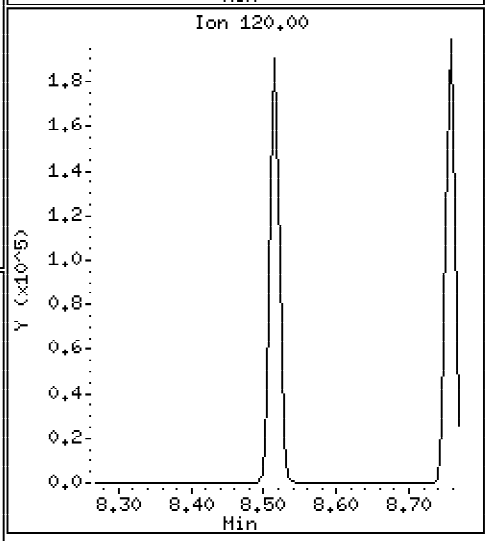
Column phase: DB-624 Column diameter: 0.18

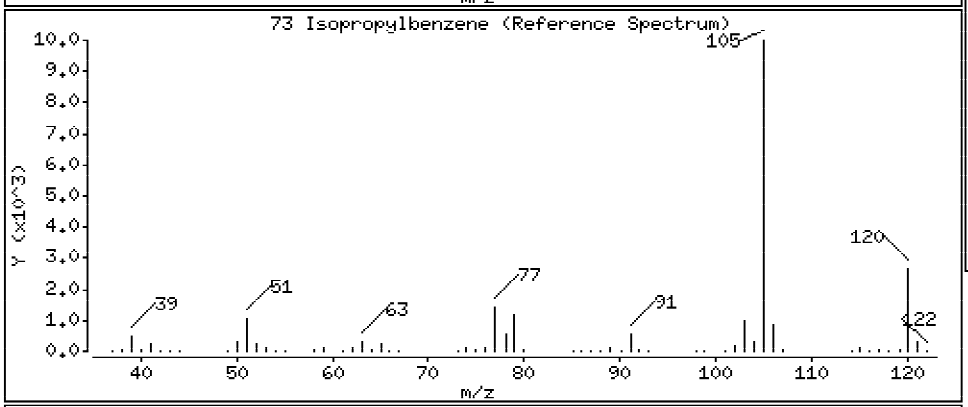
73 Isopropylbenzene Concentration: 50.9 ppb

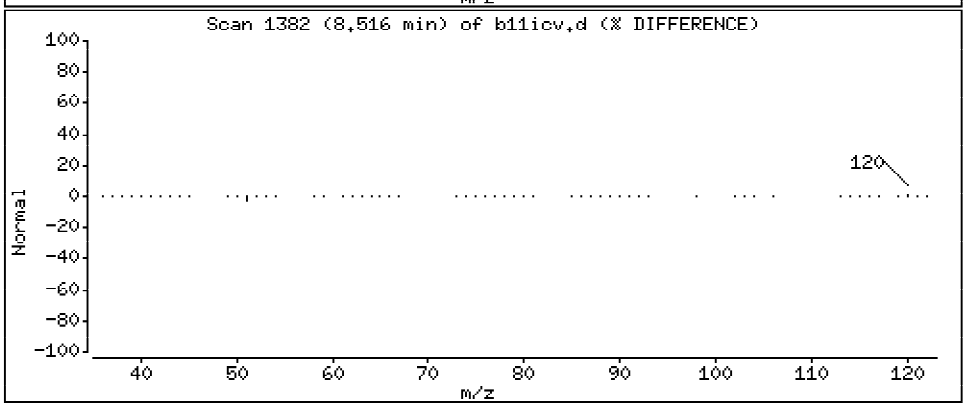












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 74

Date : 10-JAN-2014 21:40

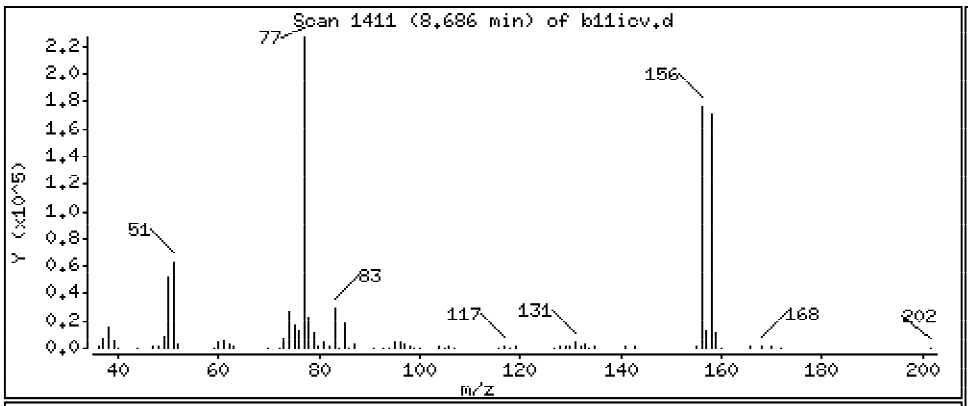
Client ID: 8260-ICV Instrument: 50mv4b.i

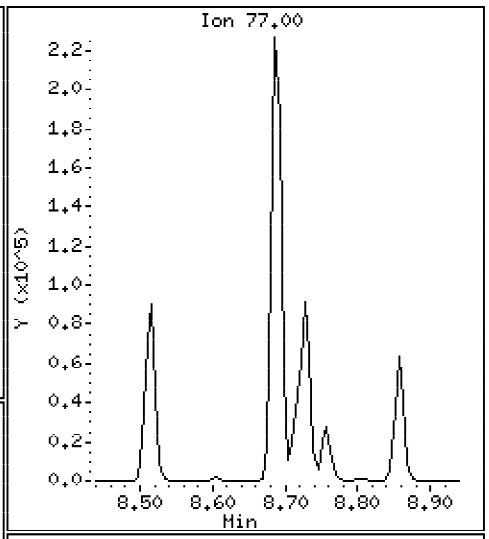
Sample Info: 8260-ICV,59989:0

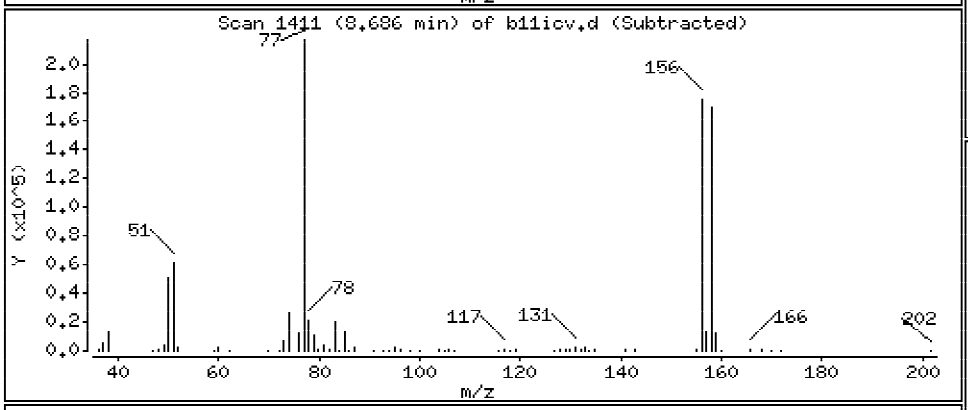
Purge Volume: 5.0 Operator: rsw

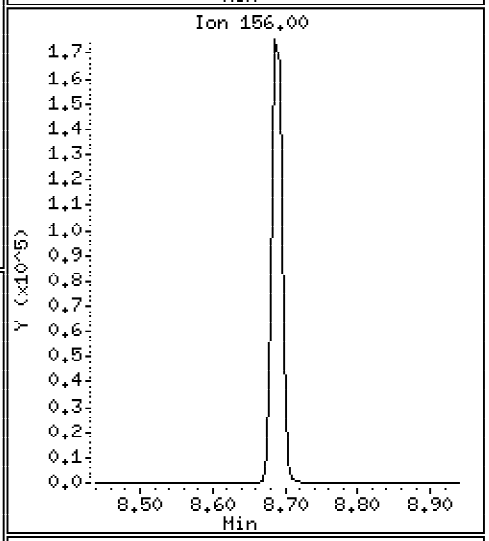
Column phase: DB-624 Column diameter: 0.18

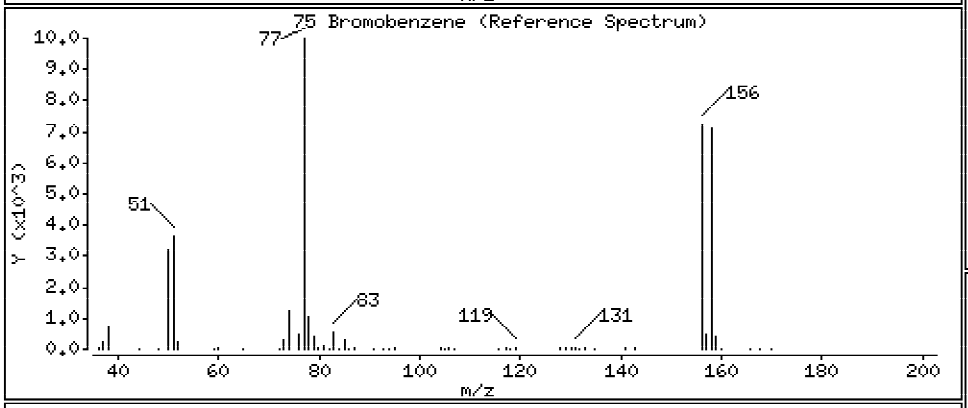
75 Bromobenzene Concentration: 45.9 ppb

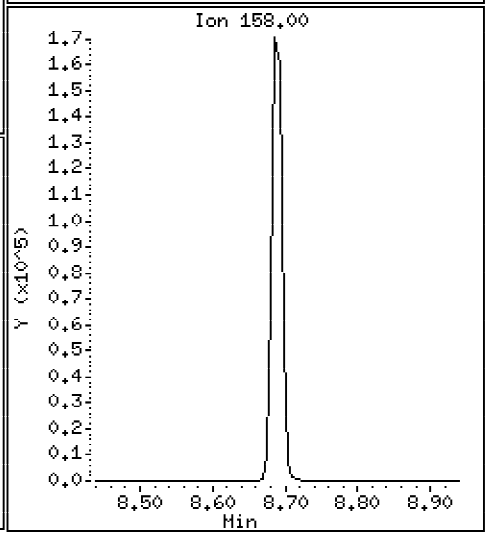


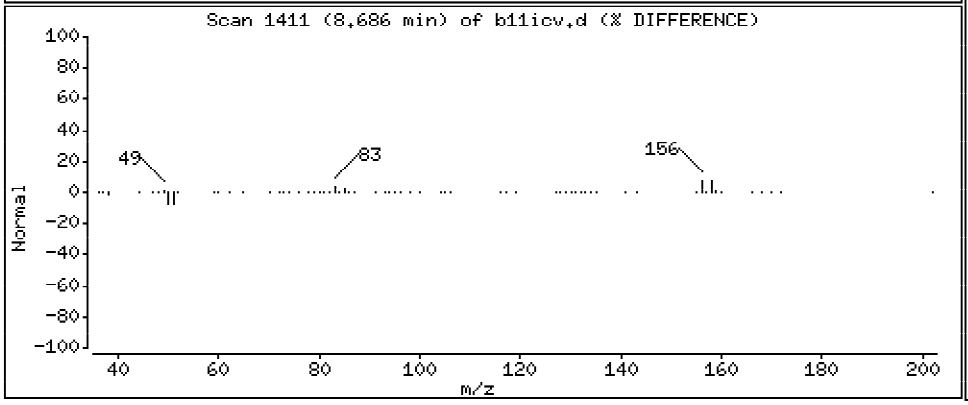












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 75

Date : 10-JAN-2014 21:40

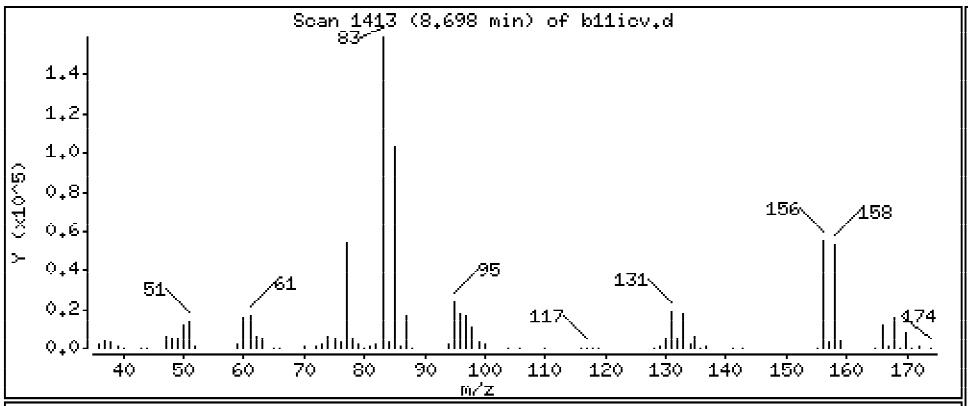
Client ID: 8260-ICV Instrument: 50mv4b.i

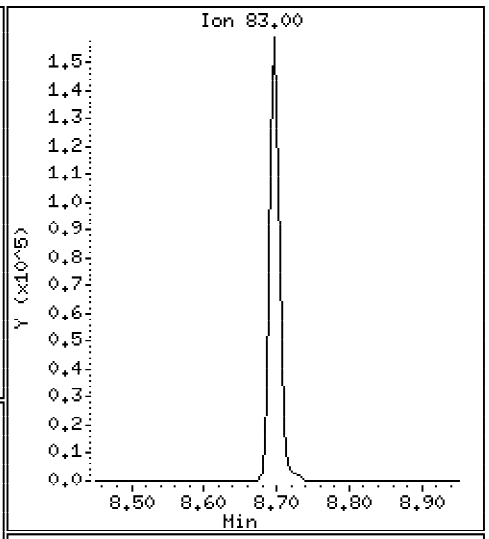
Sample Info: 8260-ICV,59989:0

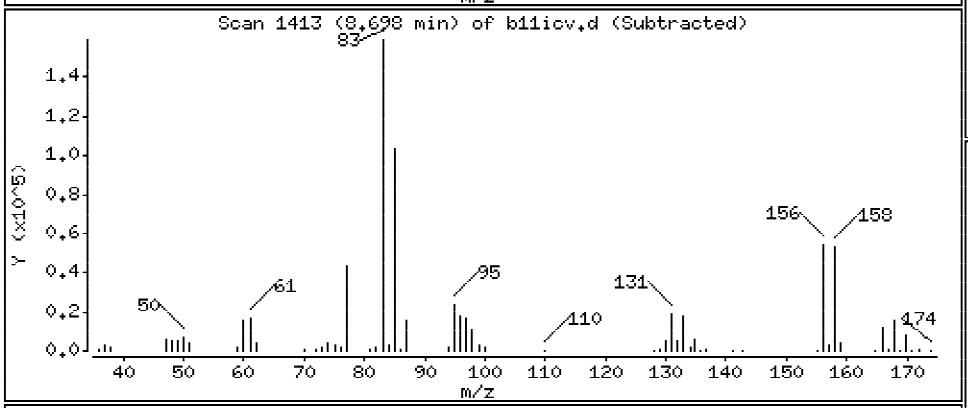
Purge Volume: 5.0 Operator: rsw

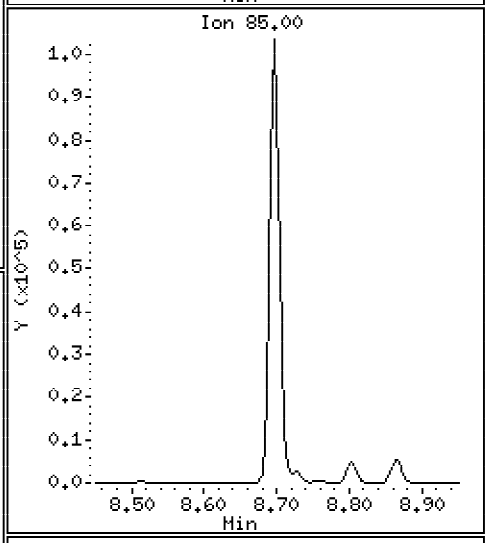
Column phase: DB-624 Column diameter: 0.18

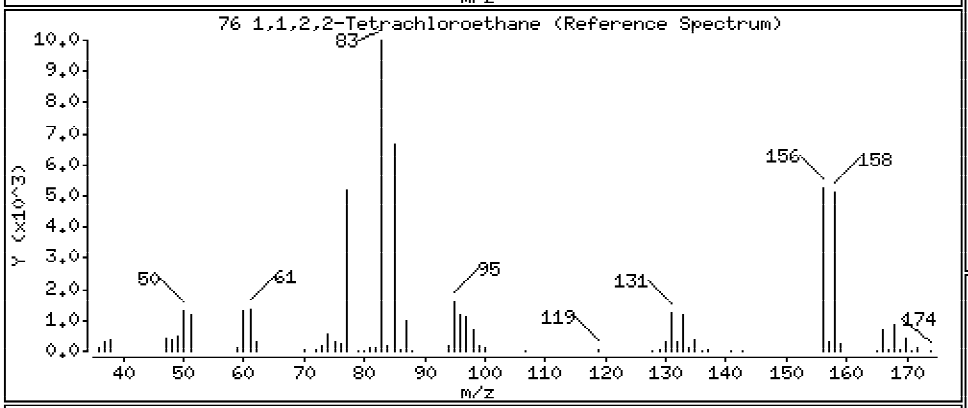
76 1,1,2,2-Tetrachloroethane Concentration: 49.4 ppb

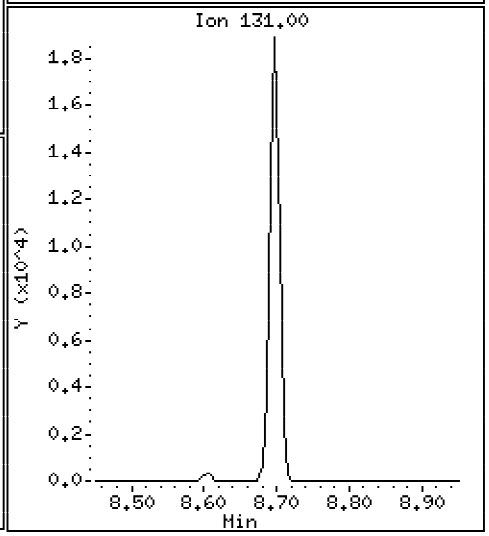


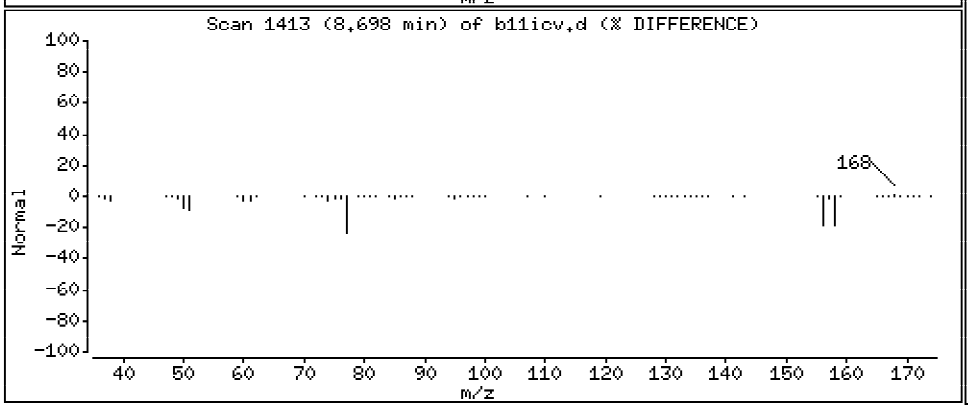












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 76

Date : 10-JAN-2014 21:40

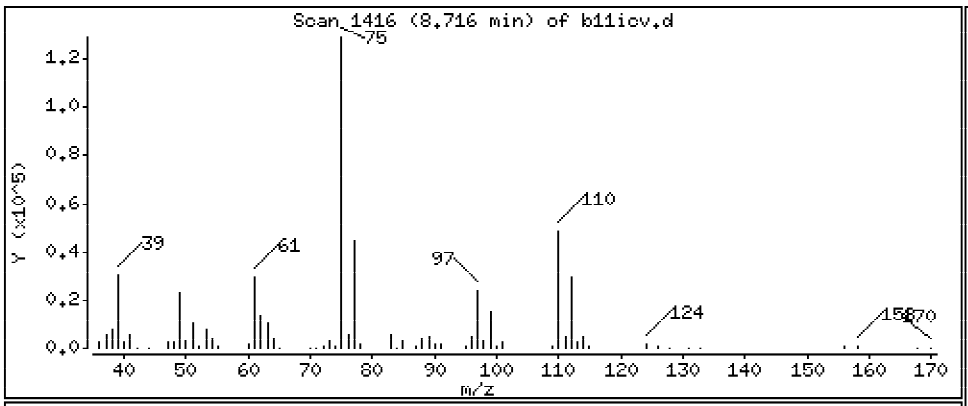
Client ID: 8260-ICV Instrument: 50mv4b.i

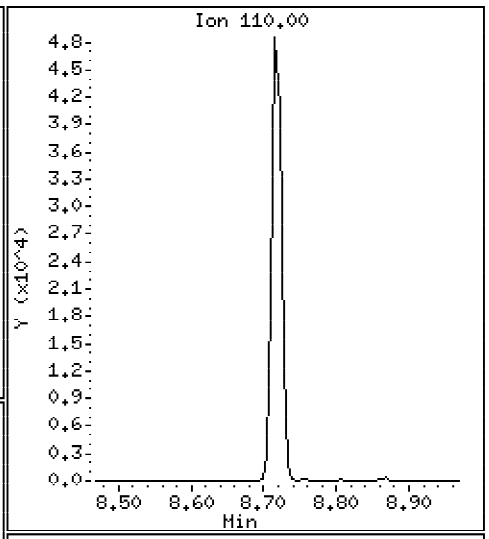
Sample Info: 8260-ICV,59989:0

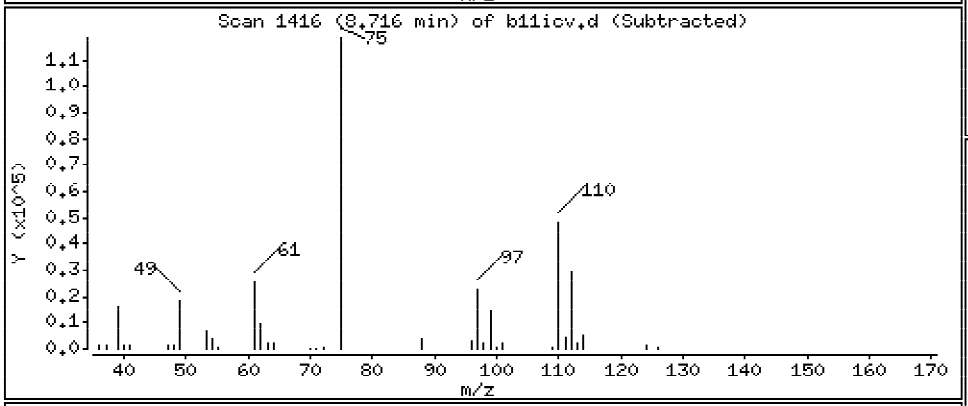
Purge Volume: 5.0 Operator: rsw

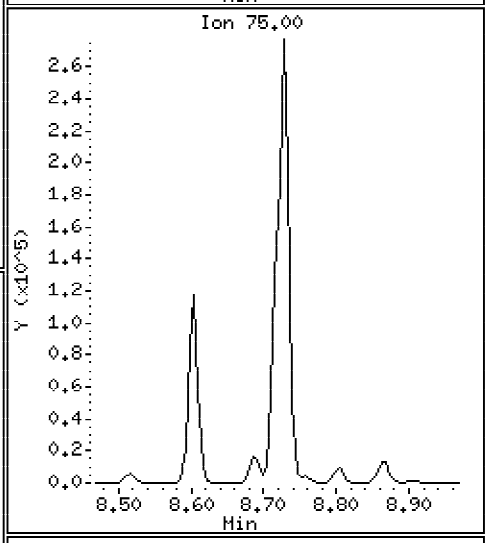
Column phase: DB-624 Column diameter: 0.18

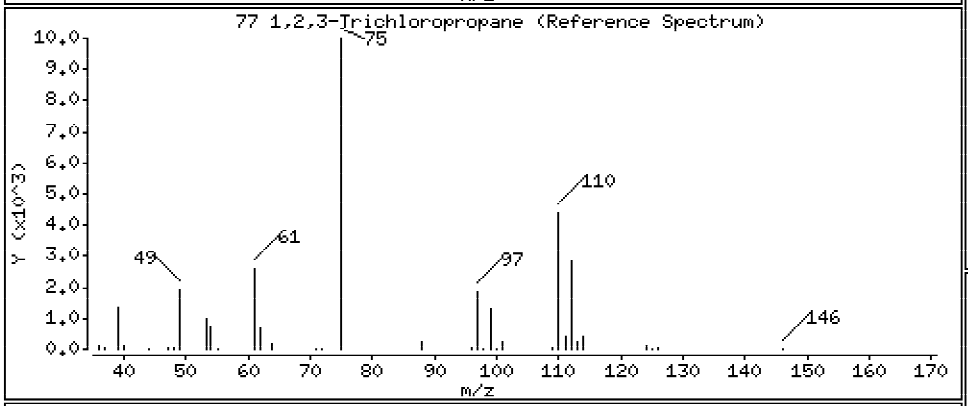
77 1,2,3-Trichloropropane Concentration: 46.7 ppb

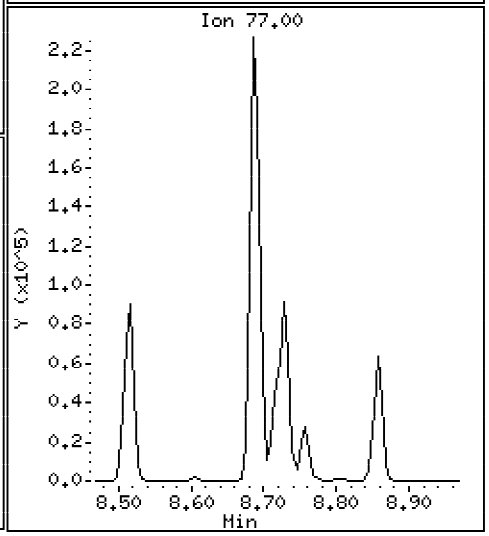


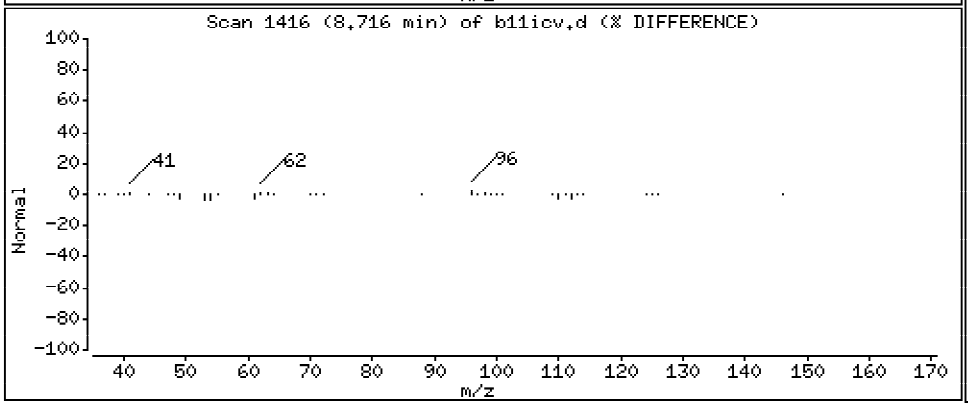












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 77

Date : 10-JAN-2014 21:40

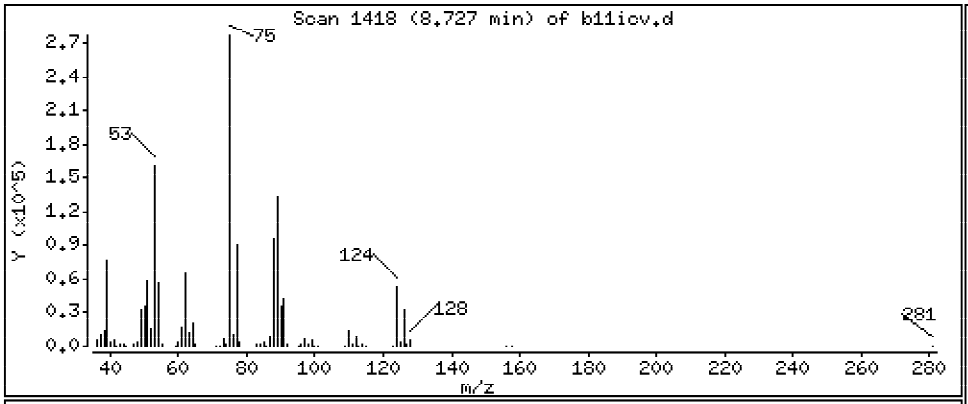
Client ID: 8260-ICV Instrument: 50mv4b.i

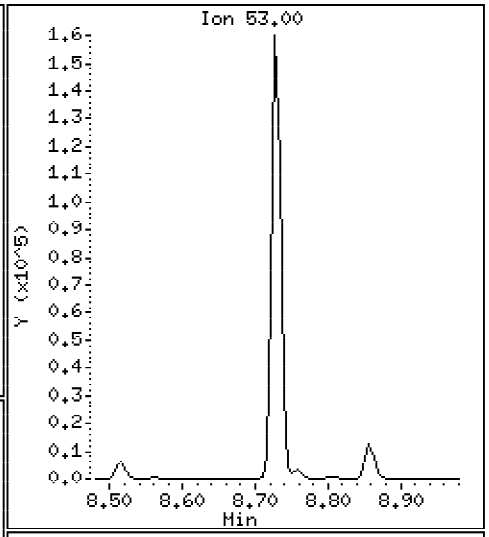
Sample Info: 8260-ICV,59989:0

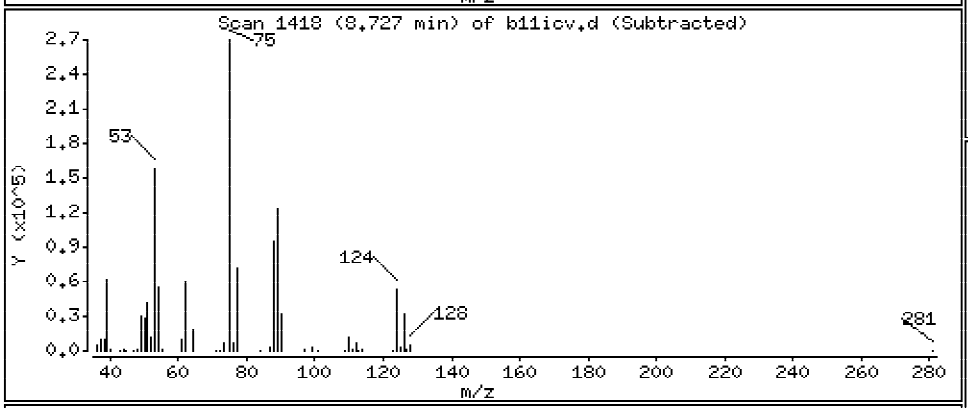
Purge Volume: 5.0 Operator: rsw

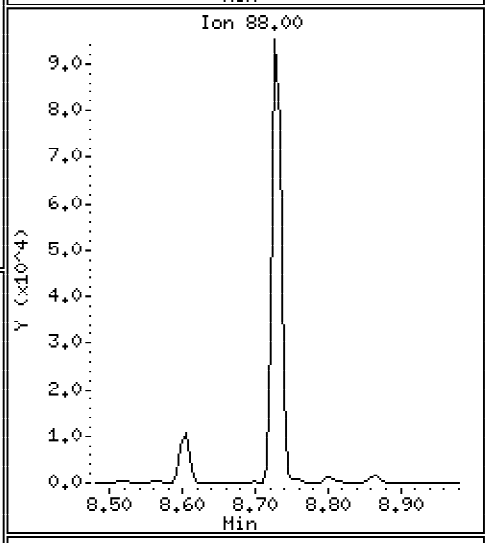
Column phase: DB-624 Column diameter: 0.18

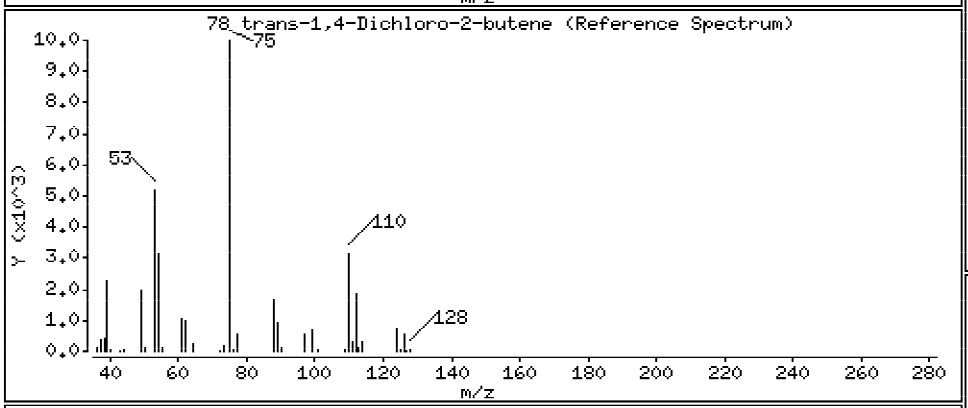
78 trans-1,4-Dichloro-2-butene Concentration: 241 ppb

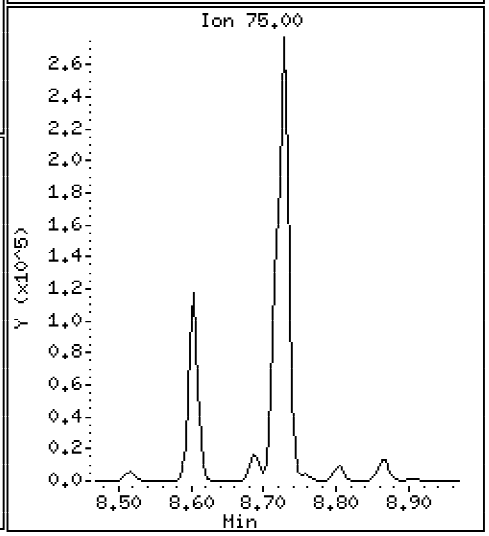


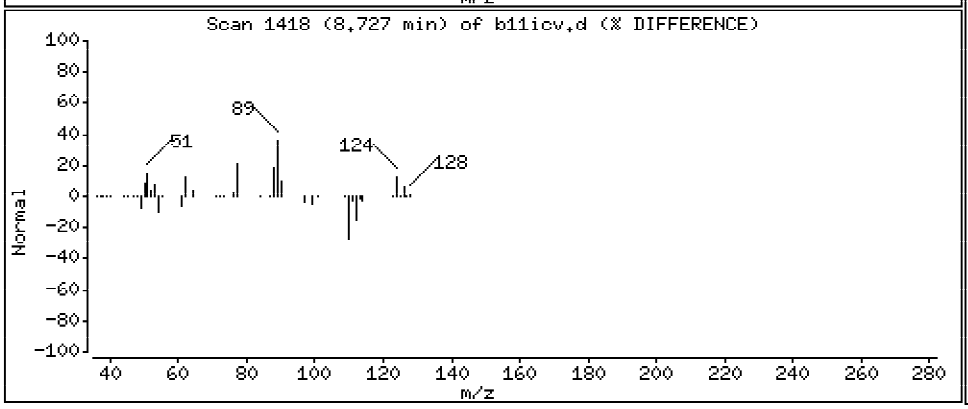












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 78

Date : 10-JAN-2014 21:40

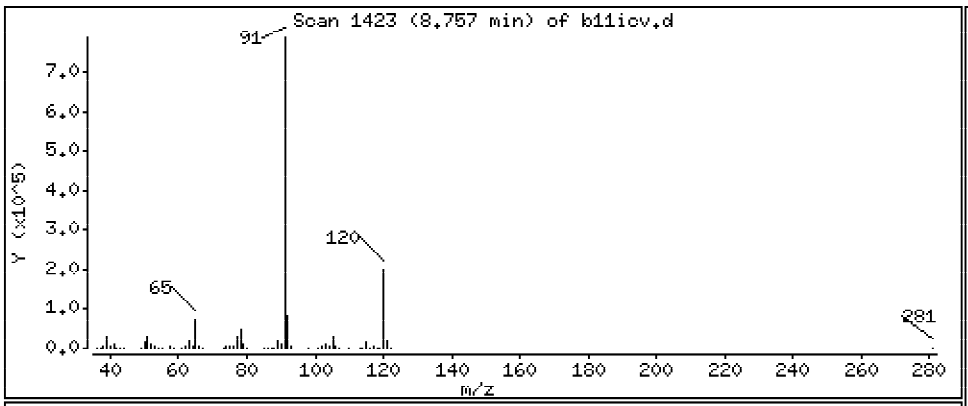
Client ID: 8260-ICV Instrument: 50mv4b.i

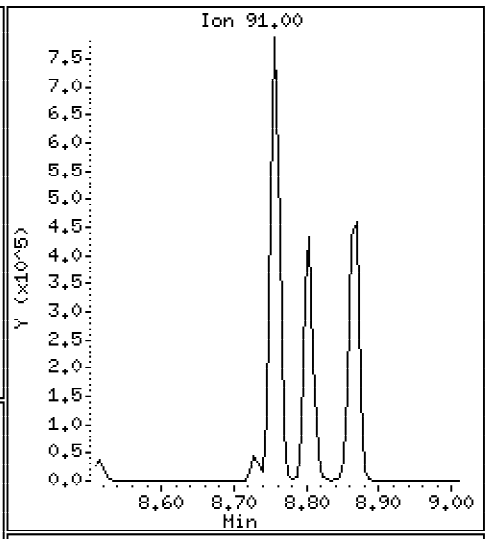
Sample Info: 8260-ICV,59989:0

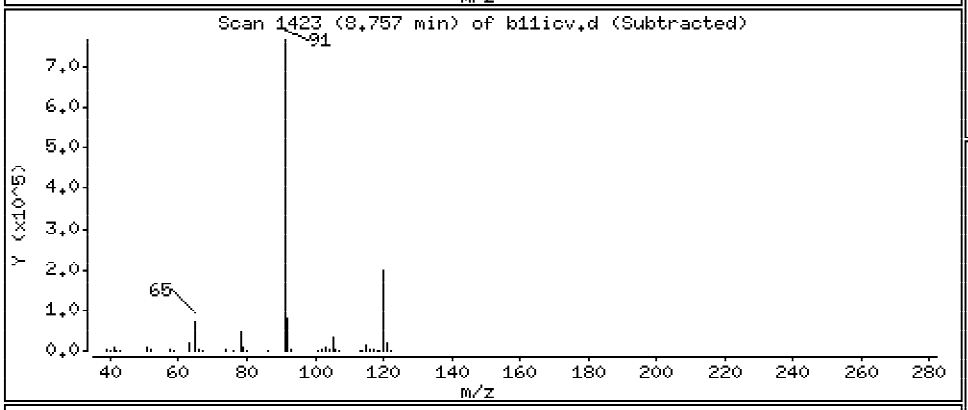
Purge Volume: 5.0 Operator: rsw

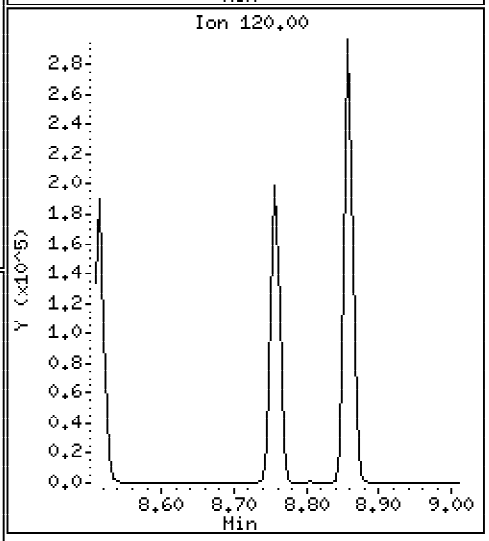
Column phase: DB-624 Column diameter: 0.18

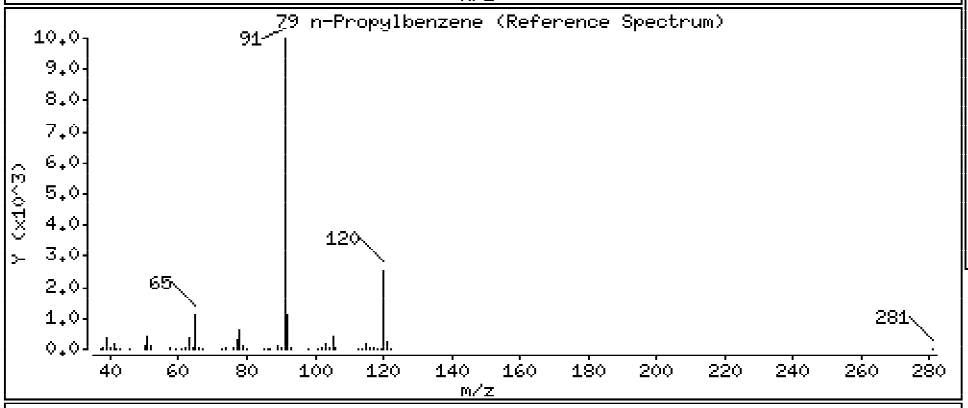
79 n-Propylbenzene Concentration: 52.1 ppb

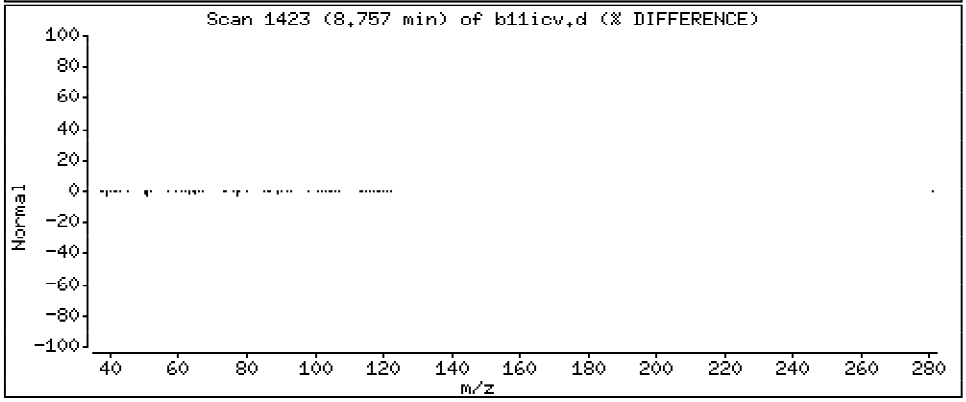












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 79

Date : 10-JAN-2014 21:40

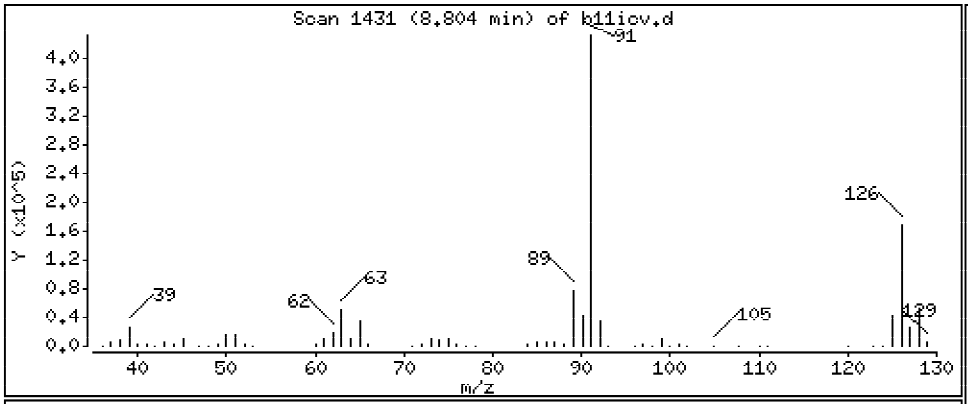
Client ID: 8260-ICV Instrument: 50mv4b.i

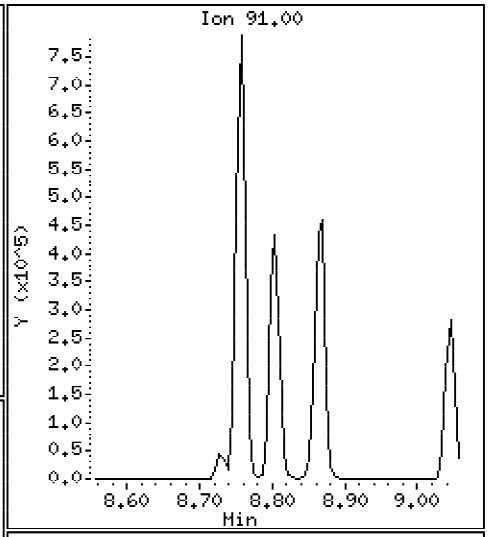
Sample Info: 8260-ICV,59989:0

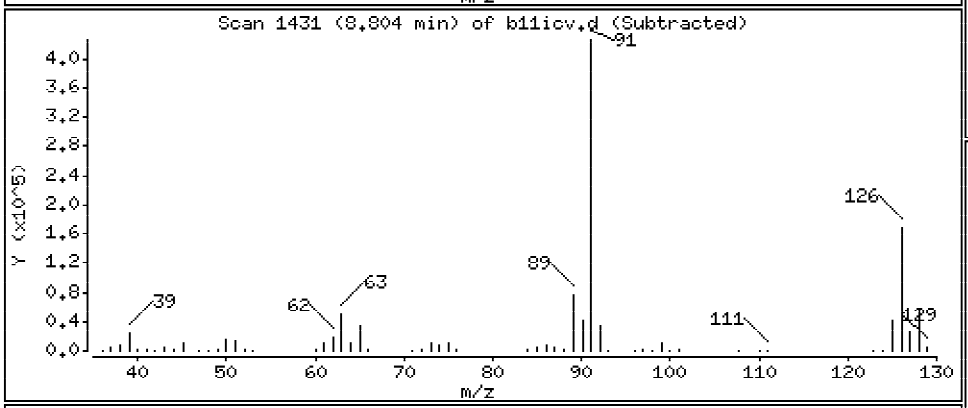
Purge Volume: 5.0 Operator: rsw

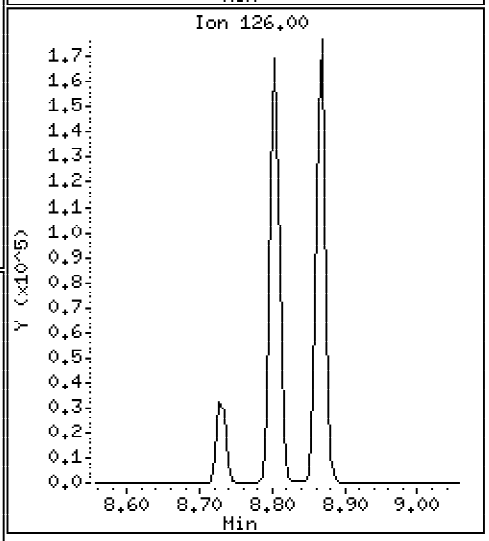
Column phase: DB-624 Column diameter: 0.18

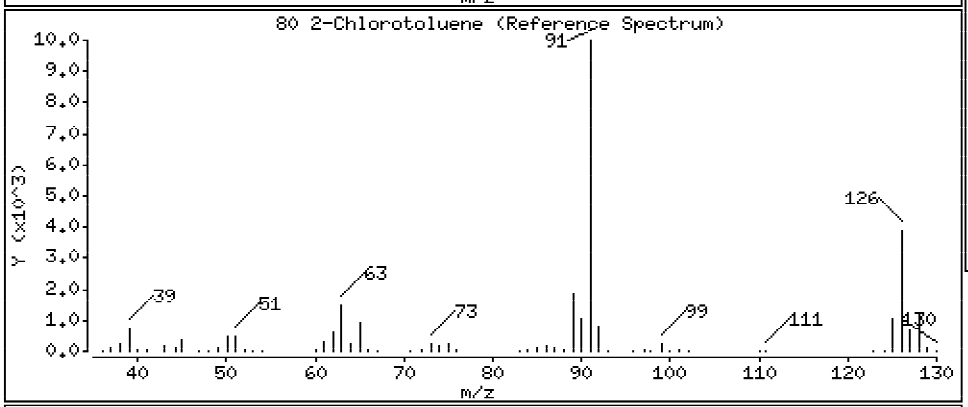
80 2-Chlorotoluene Concentration: 48.9 ppb

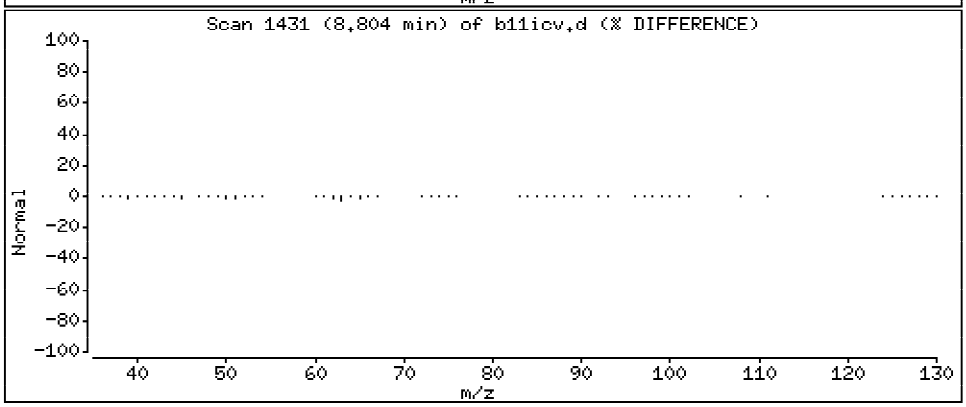












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 80

Date : 10-JAN-2014 21:40

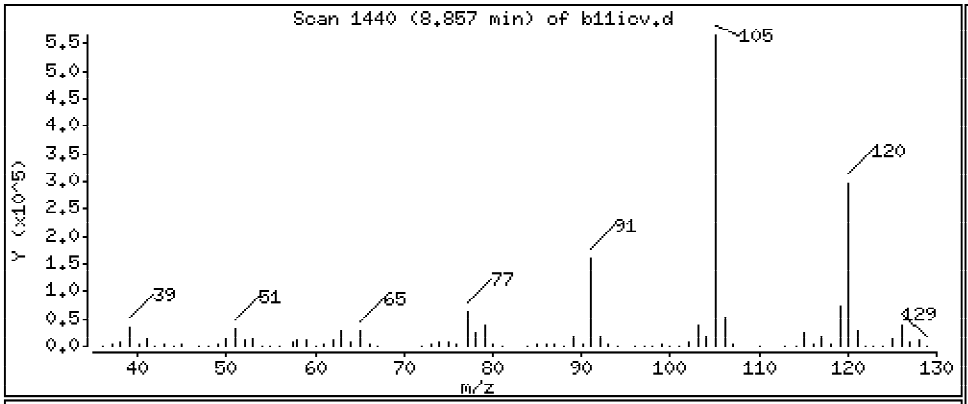
Client ID: 8260-ICV Instrument: 50mv4b.i

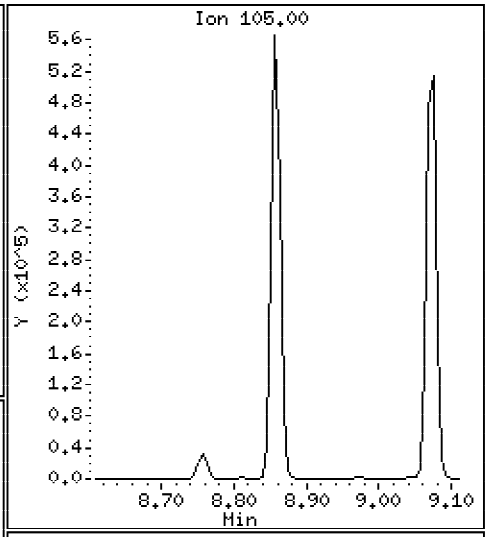
Sample Info: 8260-ICV,59989:0

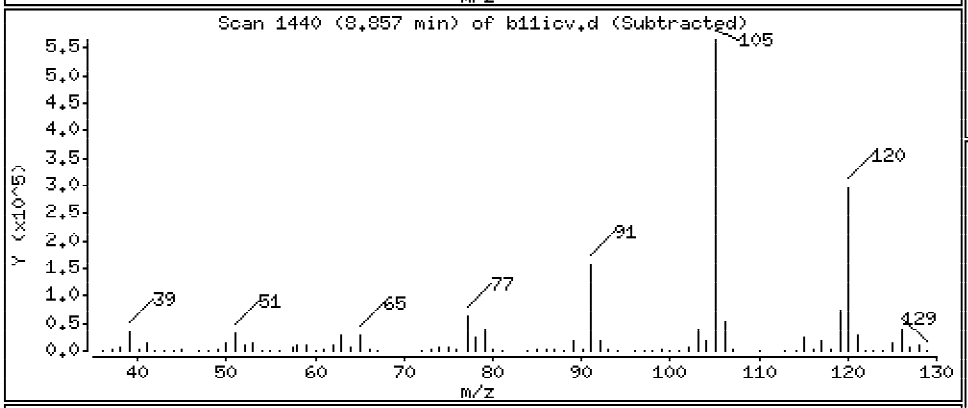
Purge Volume: 5.0 Operator: rsw

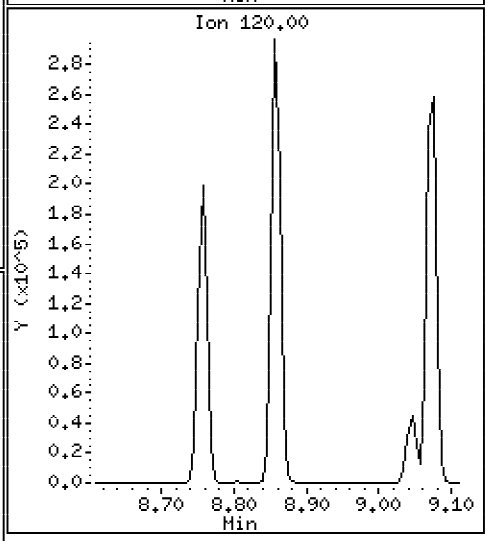
Column phase: DB-624 Column diameter: 0.18

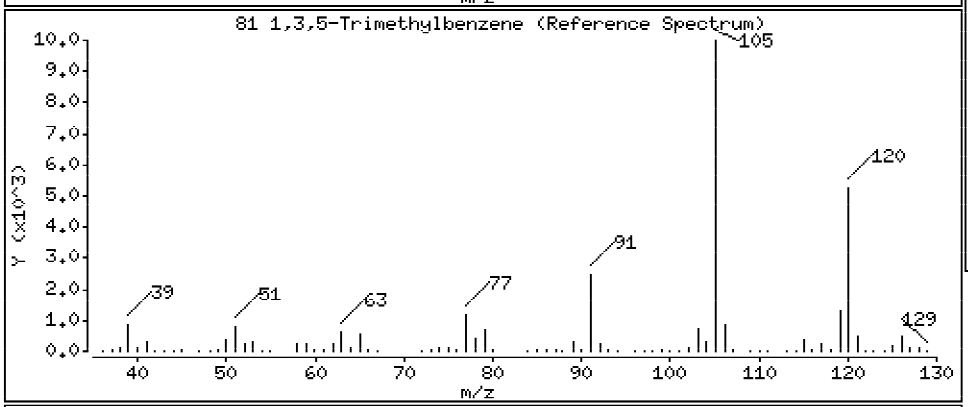
81 1,3,5-Trimethylbenzene Concentration: 50.8 ppb

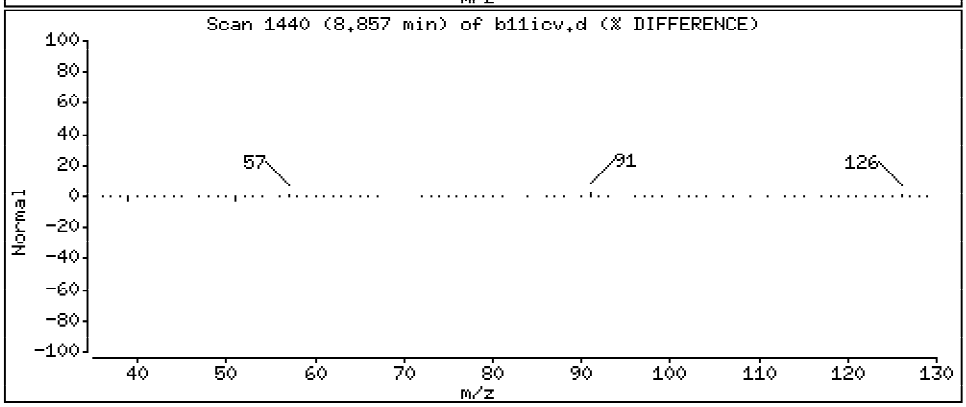












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 81

Date : 10-JAN-2014 21:40

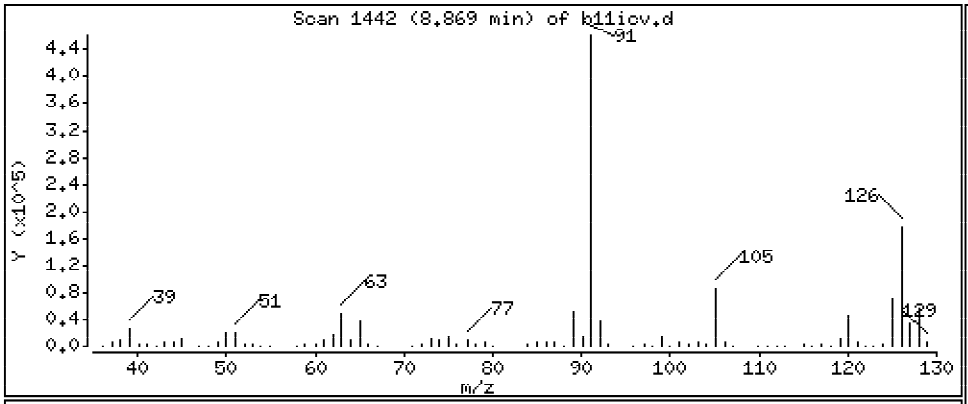
Client ID: 8260-ICV Instrument: 50mv4b.i

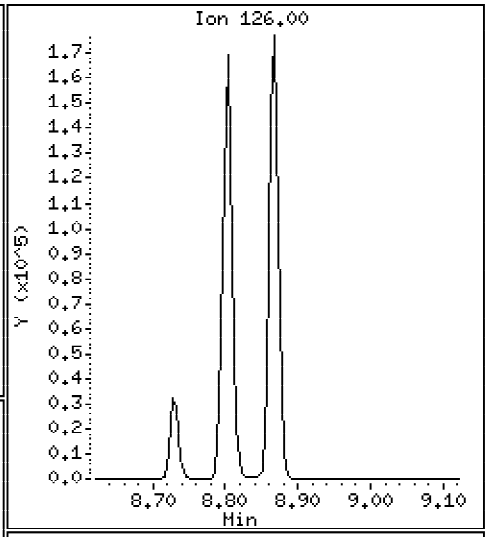
Sample Info: 8260-ICV,59989:0

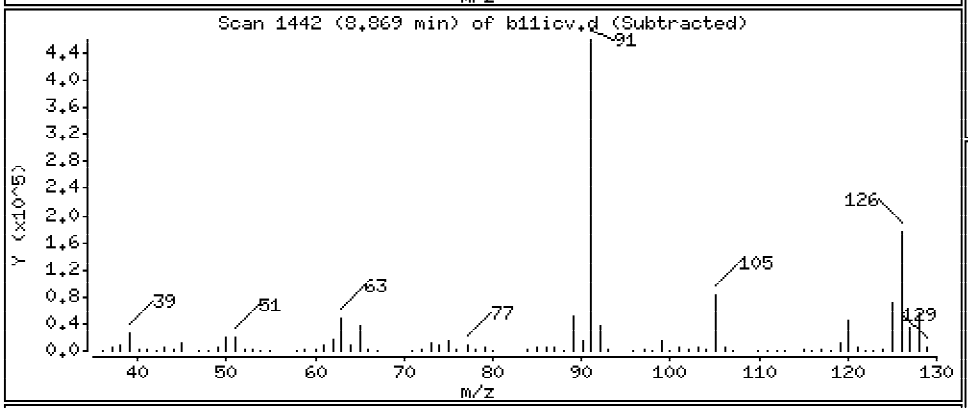
Purge Volume: 5.0 Operator: rsw

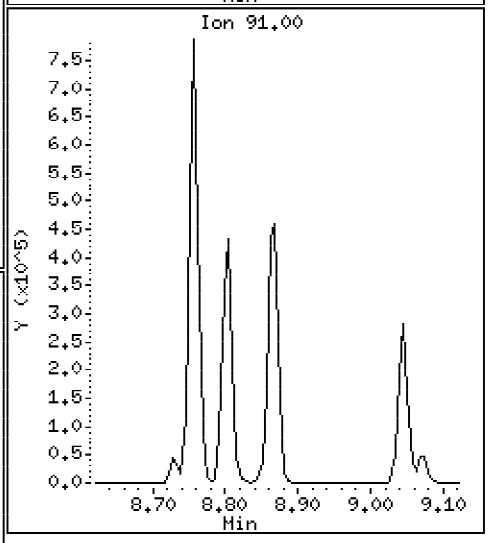
Column phase: DB-624 Column diameter: 0.18

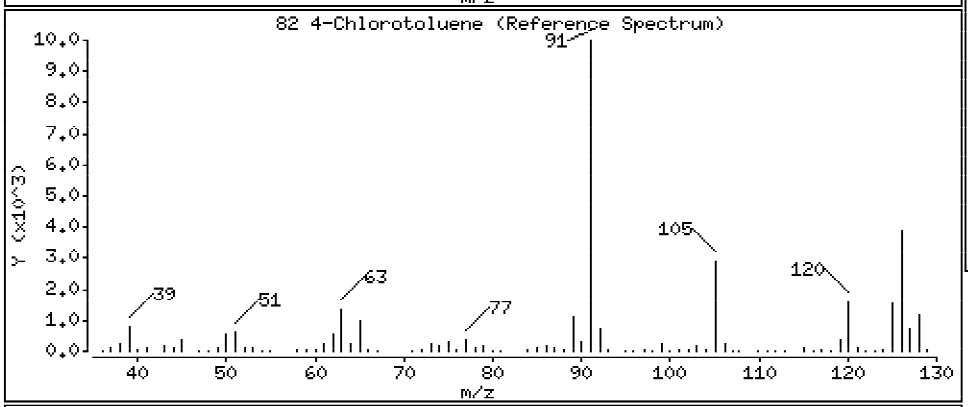
82 4-Chlorotoluene Concentration: 51.4 ppb

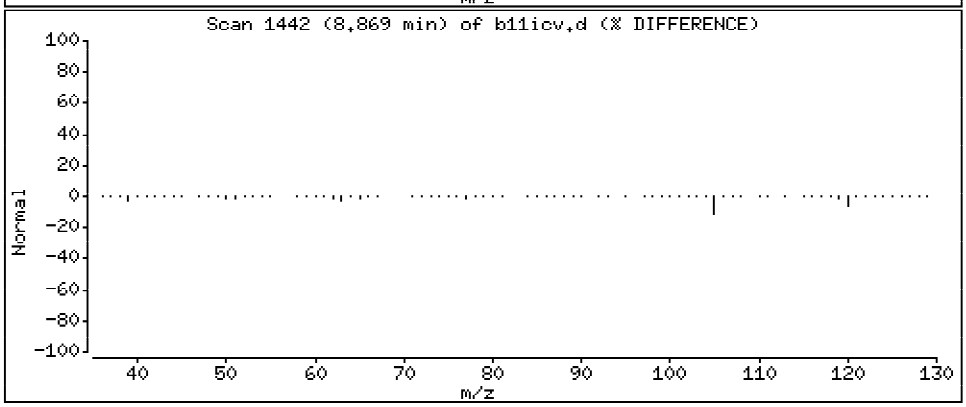












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 82

Date : 10-JAN-2014 21:40

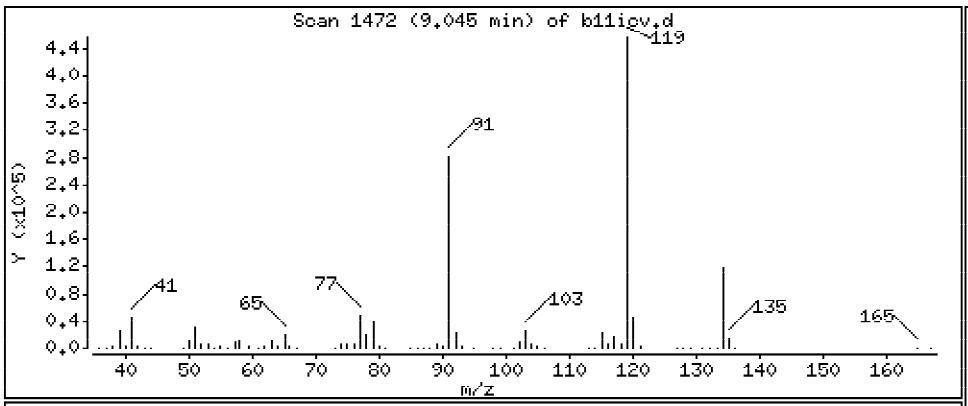
Client ID: 8260-ICV Instrument: 50mv4b.i

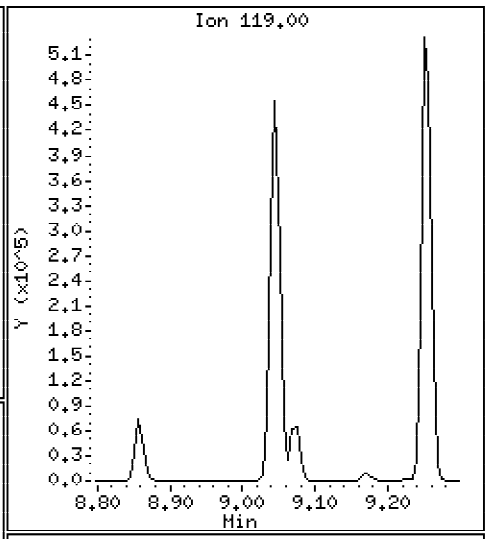
Sample Info: 8260-ICV,59989:0

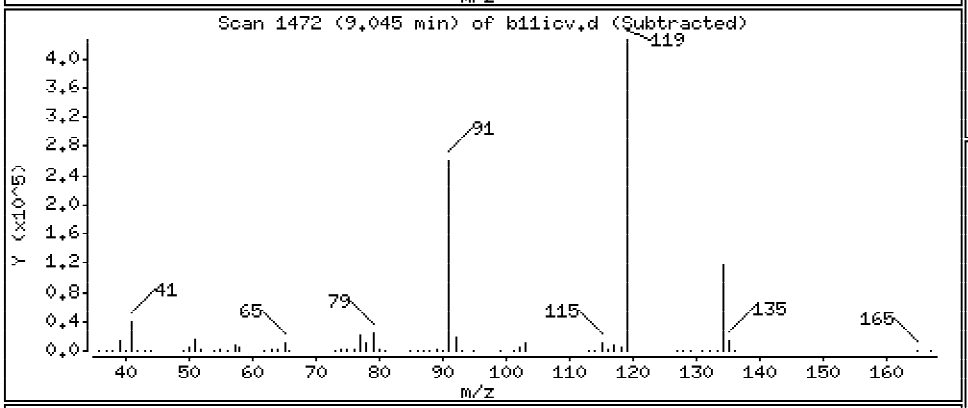
Purge Volume: 5.0 Operator: rsw

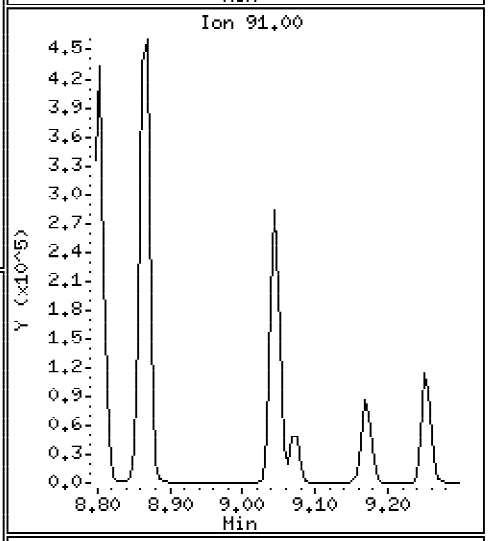
Column phase: DB-624 Column diameter: 0.18

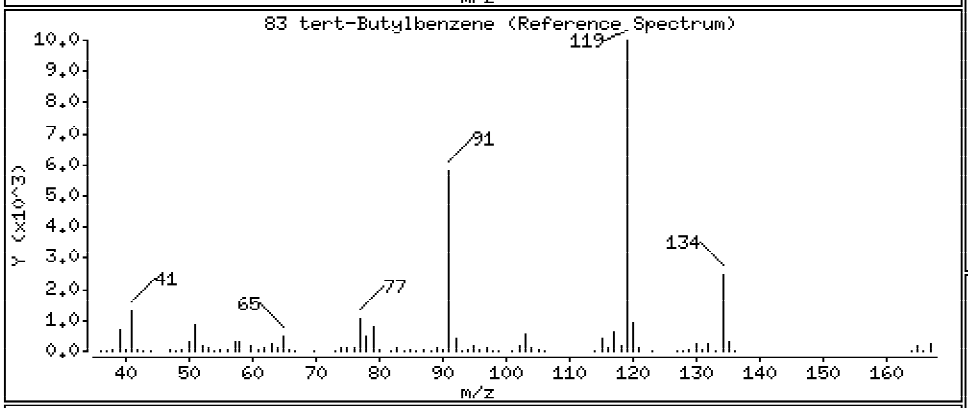
83 tert-Butylbenzene Concentration: 41.8 ppb

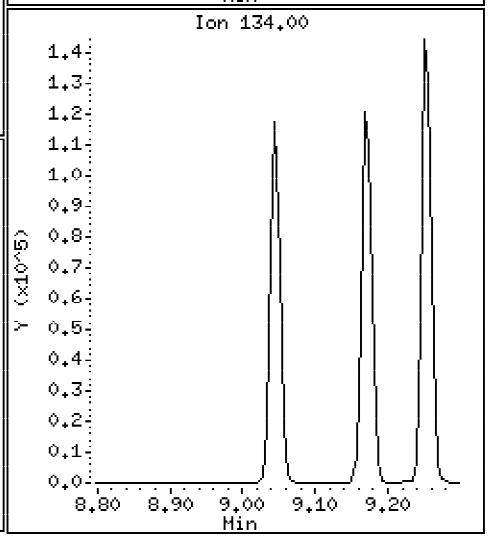


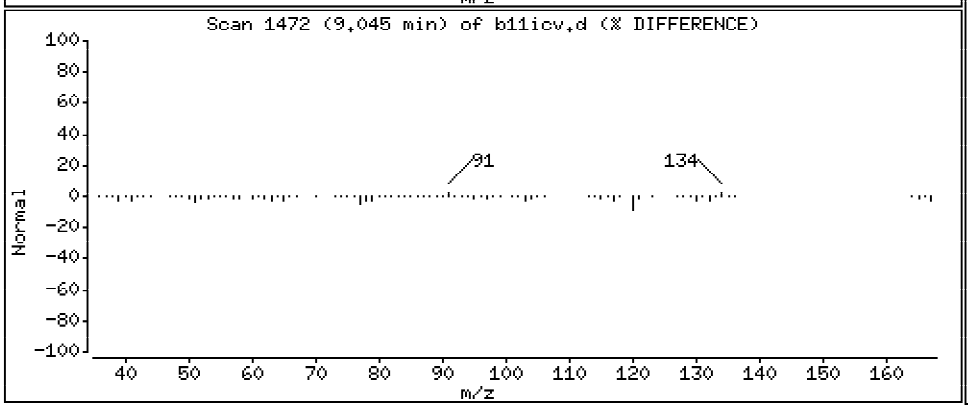












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 83

Date : 10-JAN-2014 21:40

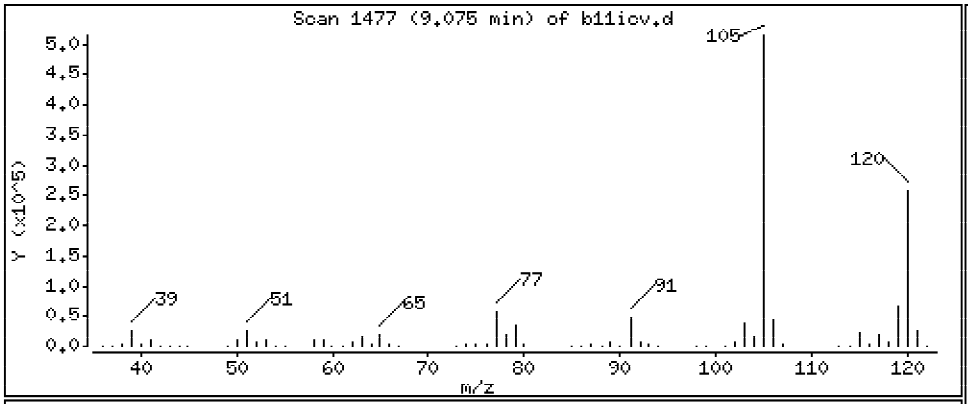
Client ID: 8260-ICV Instrument: 50mv4b.i

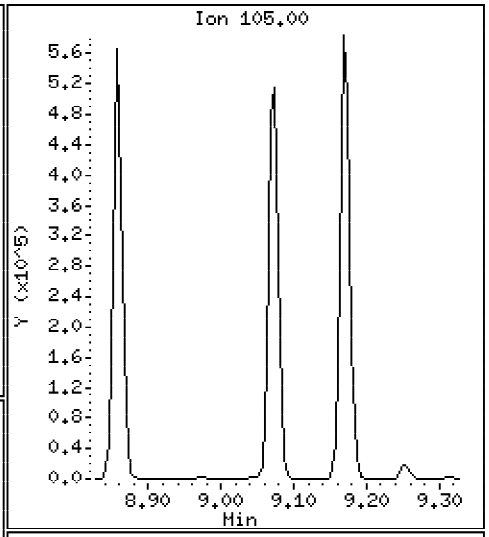
Sample Info: 8260-ICV,59989:0

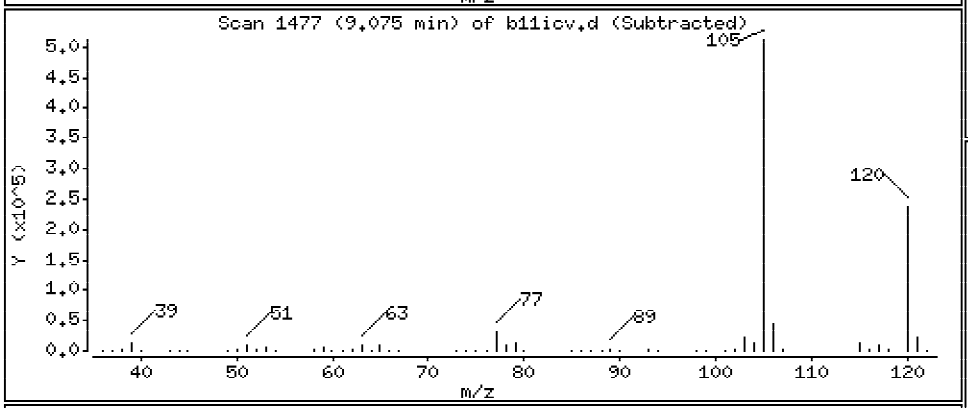
Purge Volume: 5.0 Operator: rsw

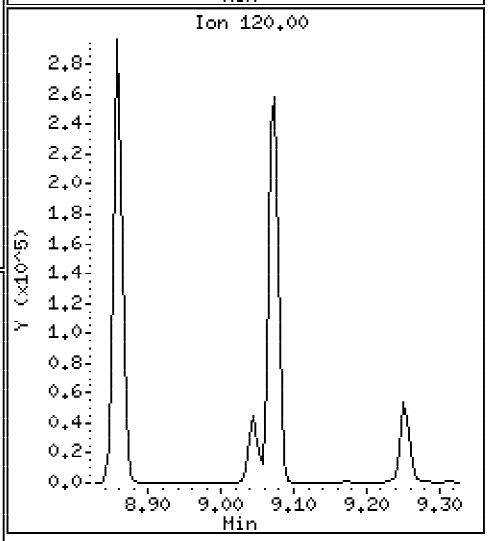
Column phase: DB-624 Column diameter: 0.18

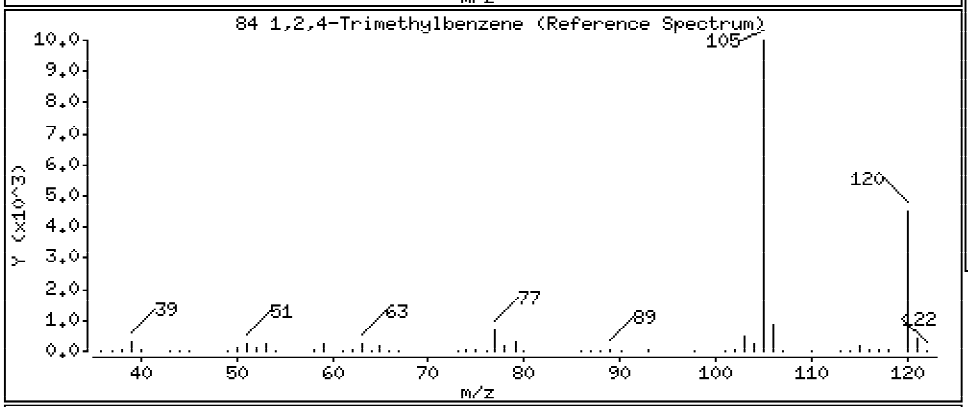
84 1,2,4-Trimethylbenzene Concentration: 49.8 ppb

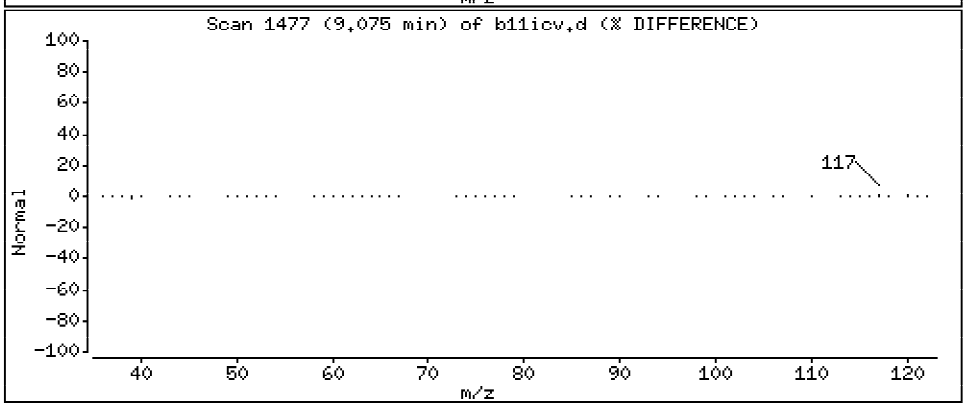












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 84

Date : 10-JAN-2014 21:40

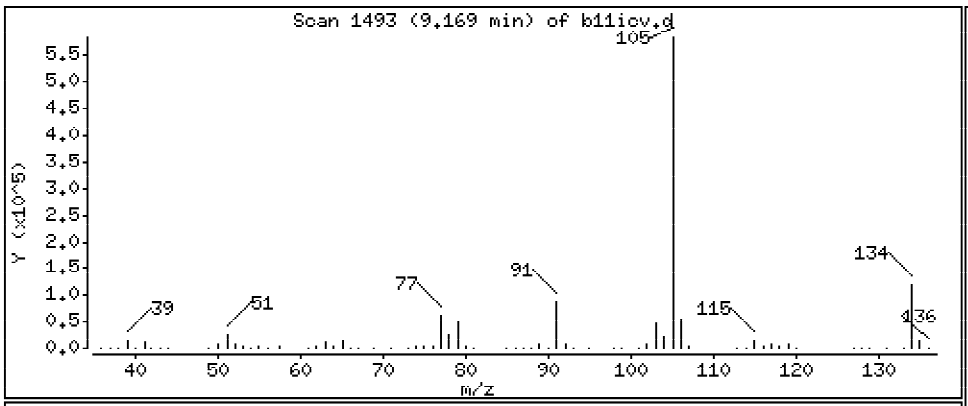
Client ID: 8260-ICV Instrument: 50mv4b.i

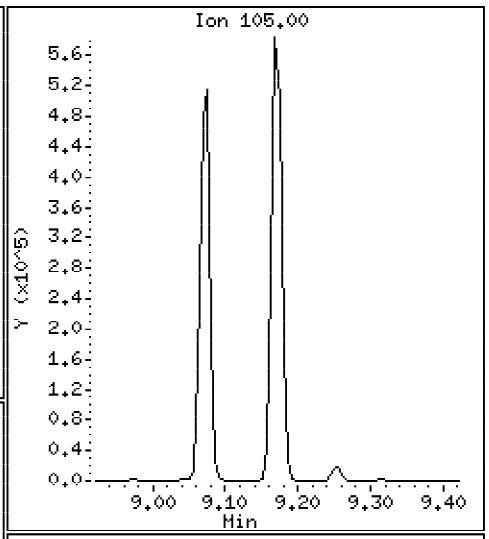
Sample Info: 8260-ICV,59989:0

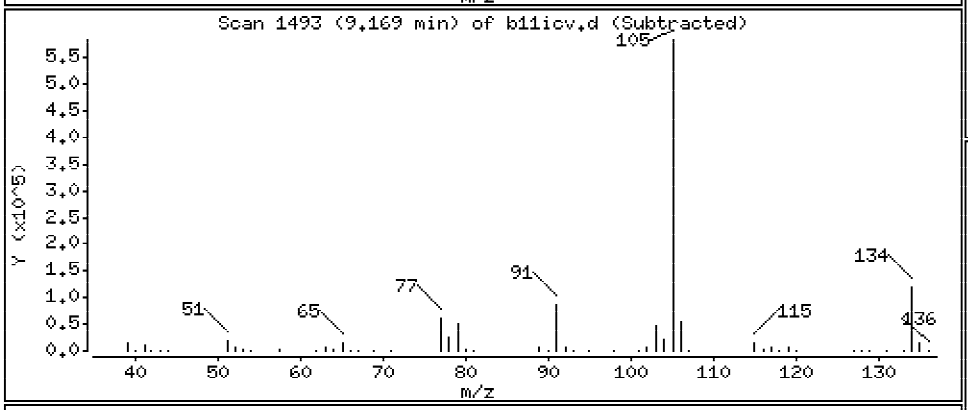
Purge Volume: 5.0 Operator: rsw

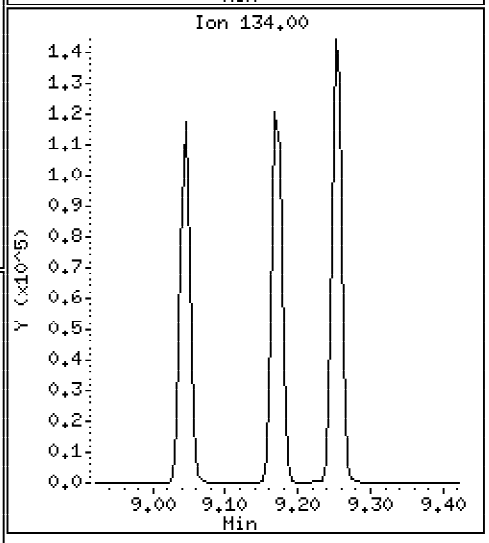
Column phase: DB-624 Column diameter: 0.18

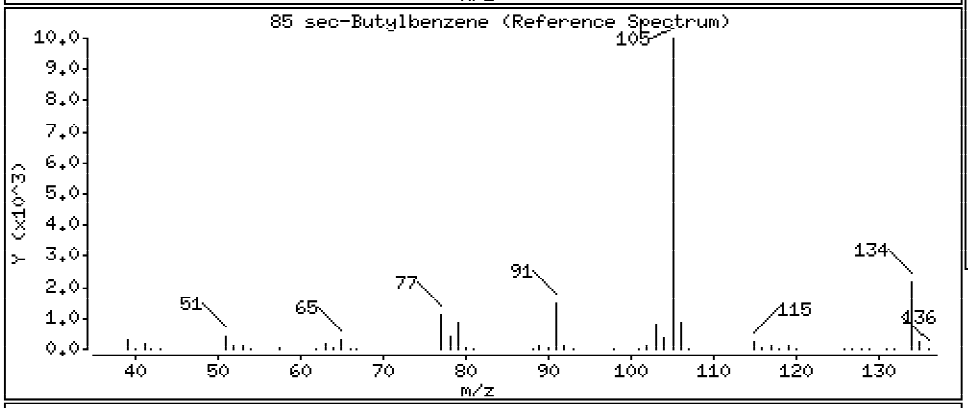
85 sec-Butylbenzene Concentration: 51.6 ppb

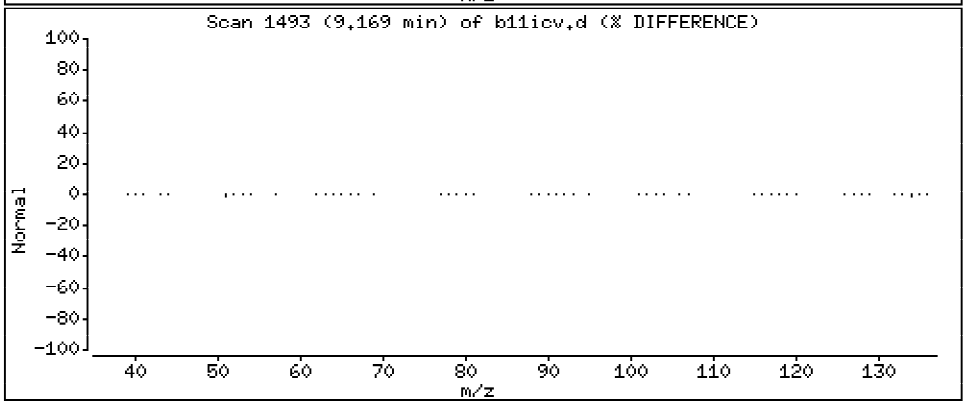












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 85

Date : 10-JAN-2014 21:40

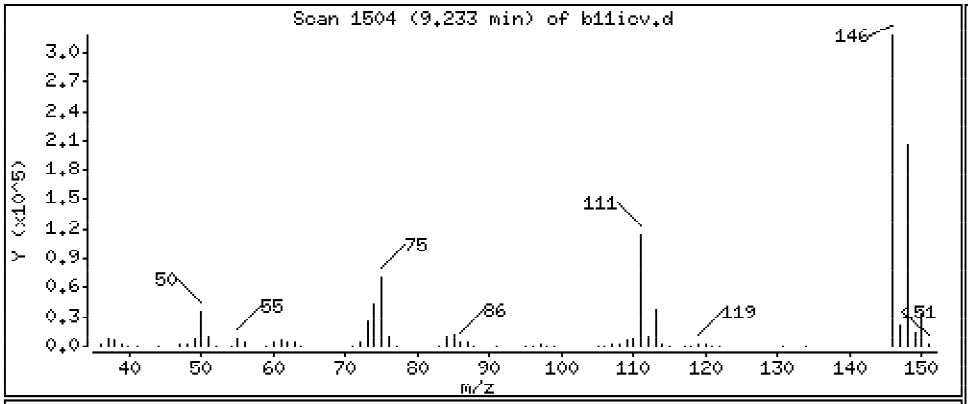
Client ID: 8260-ICV Instrument: 50mv4b.i

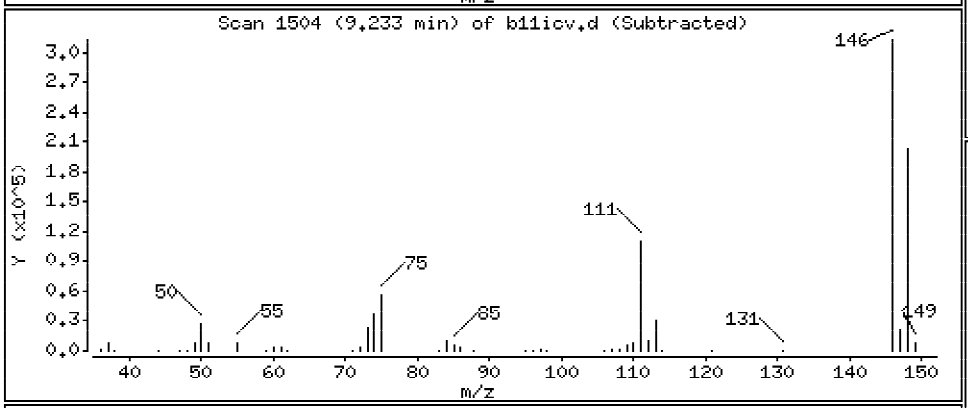
Sample Info: 8260-ICV,59989:0

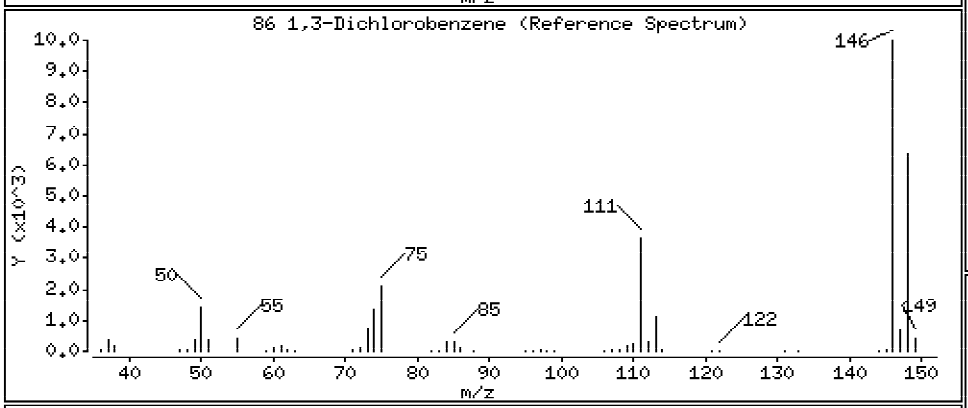
Purge Volume: 5.0 Operator: rsw

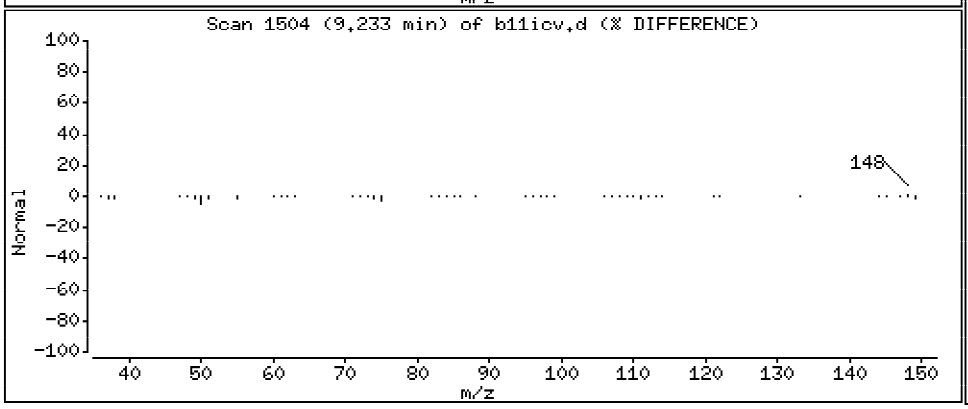
Column phase: DB-624 Column diameter: 0.18

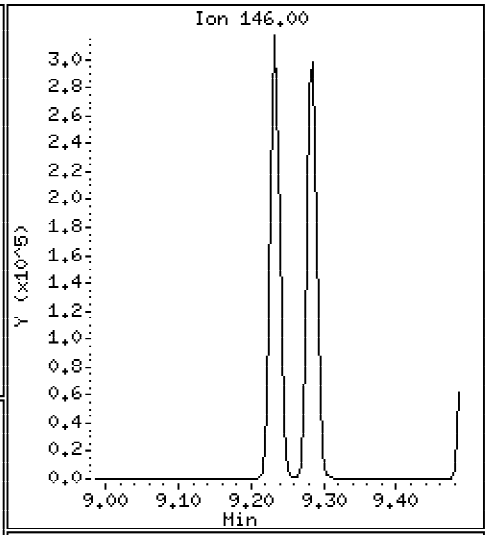
86 1,3-Dichlorobenzene Concentration: 50.4 ppb

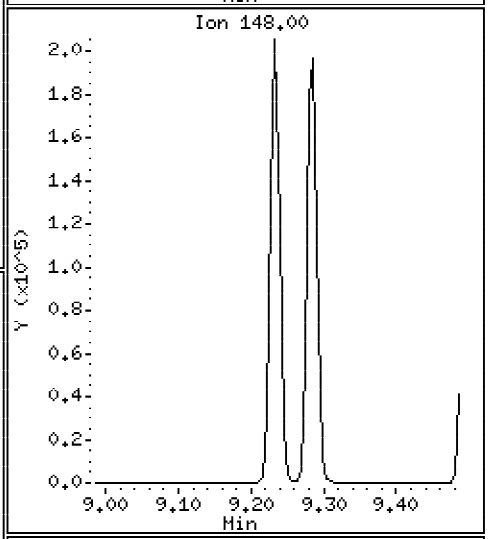


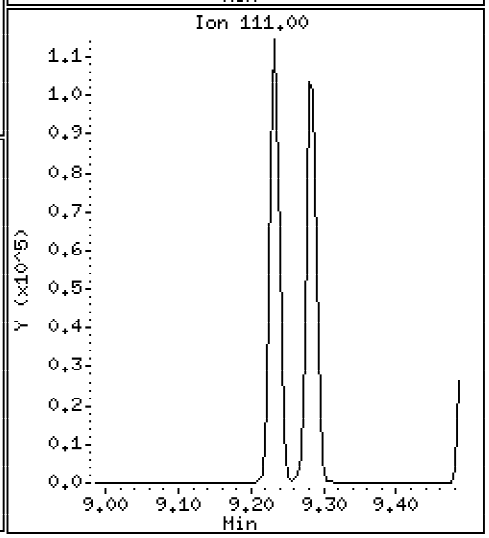












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 86

Date : 10-JAN-2014 21:40

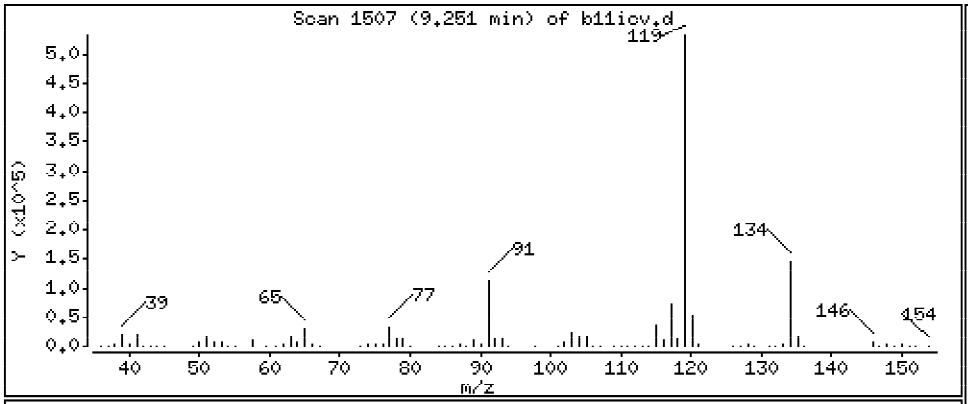
Client ID: 8260-ICV Instrument: 50mv4b.i

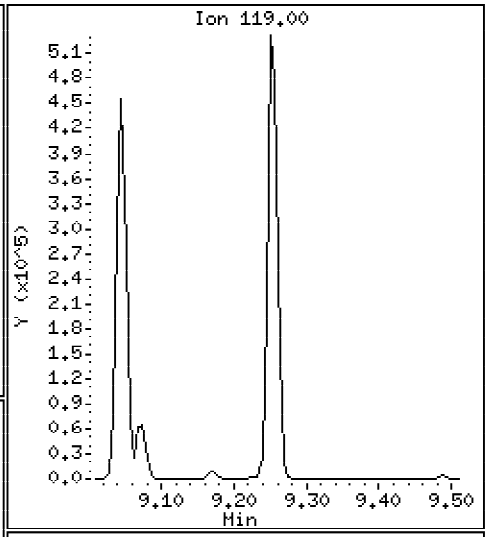
Sample Info: 8260-ICV,59989:0

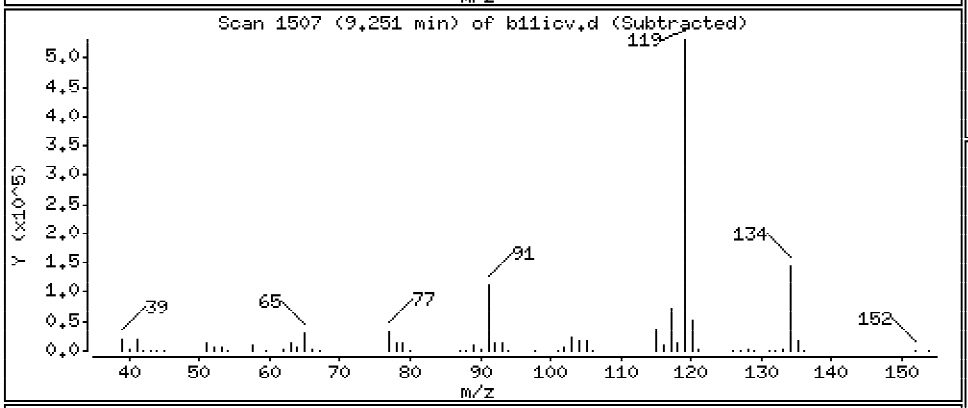
Purge Volume: 5.0 Operator: rsw

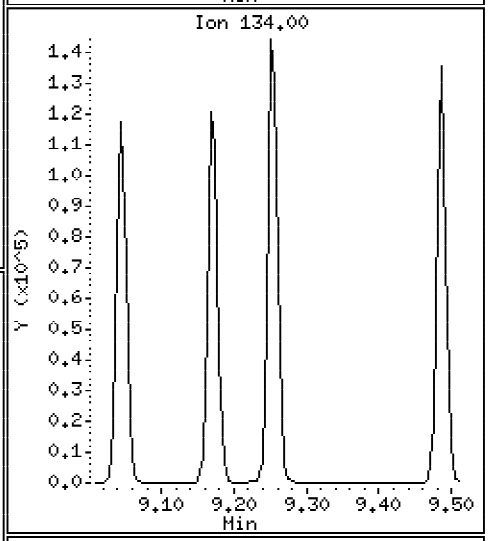
Column phase: DB-624 Column diameter: 0.18

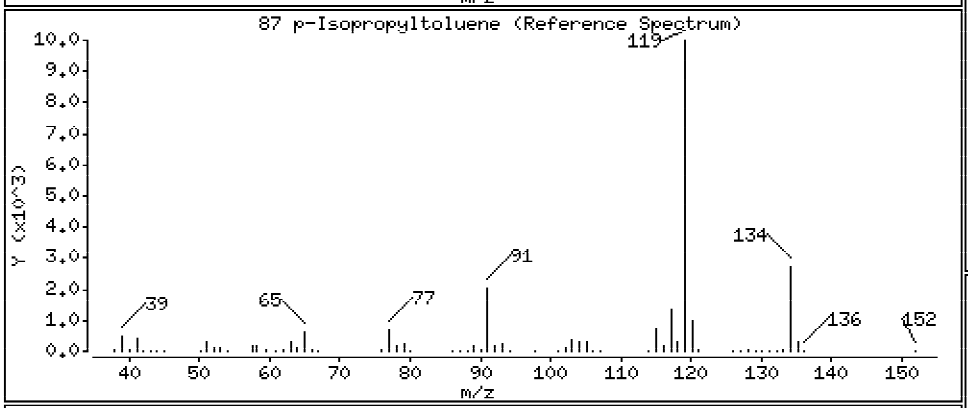
87 p-Isopropyltoluene Concentration: 53.8 ppb

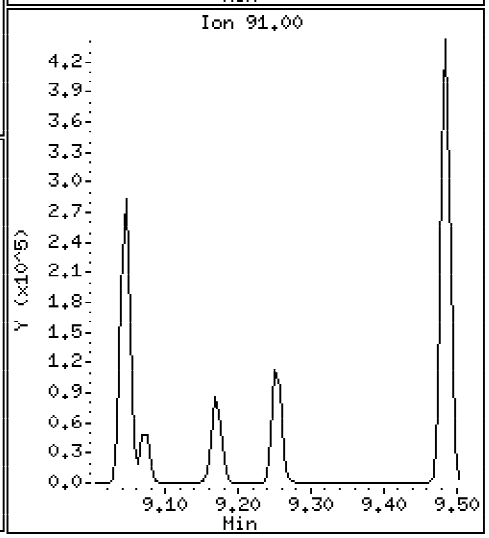


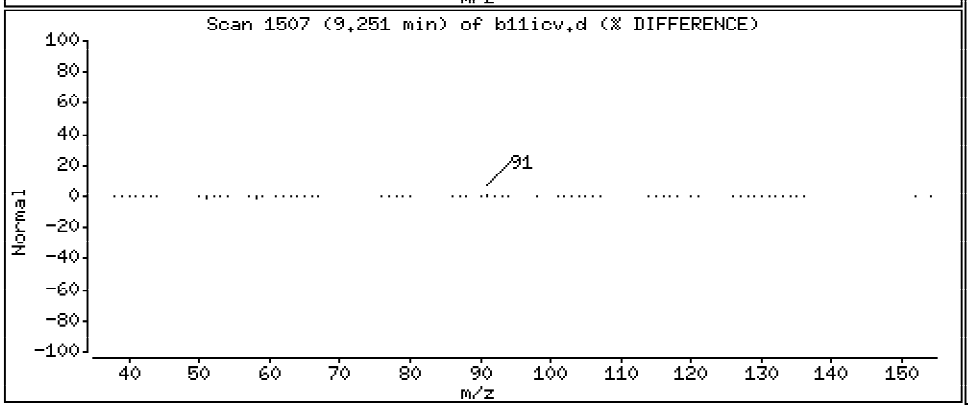












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 87

Date : 10-JAN-2014 21:40

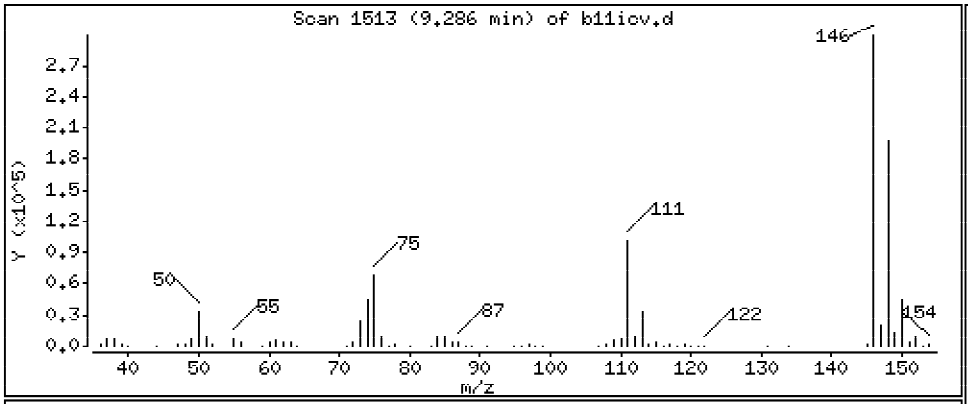
Client ID: 8260-ICV Instrument: 50mv4b.i

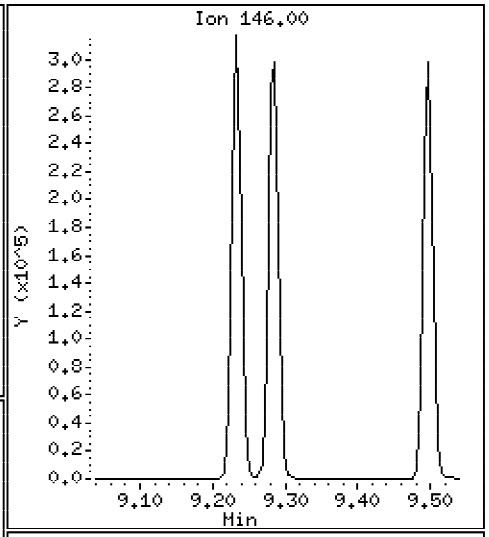
Sample Info: 8260-ICV,59989:0

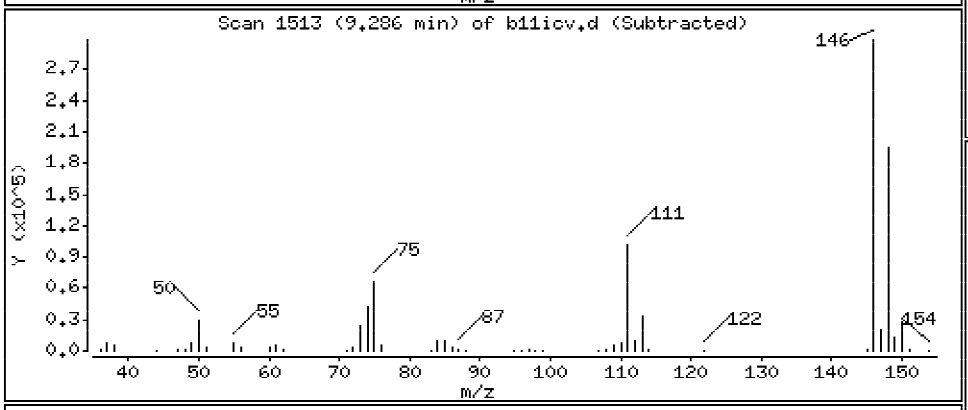
Purge Volume: 5.0 Operator: rsw

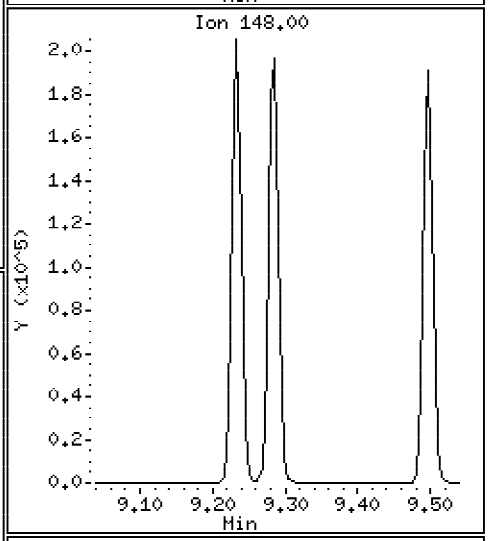
Column phase: DB-624 Column diameter: 0.18

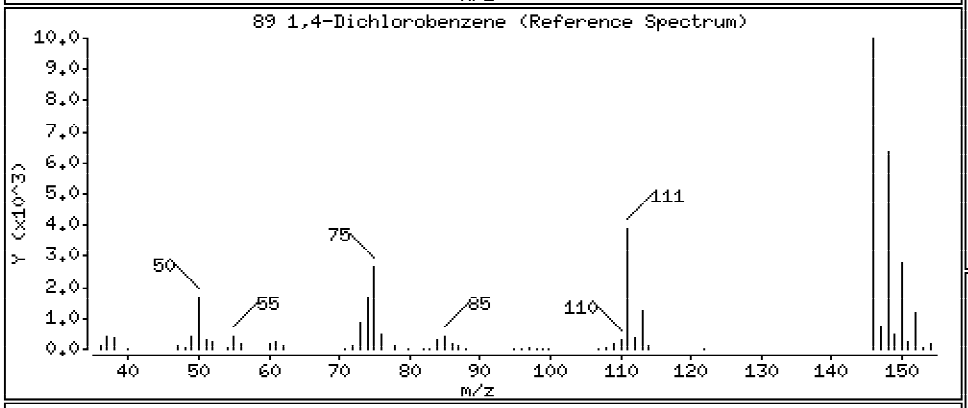
89 1,4-Dichlorobenzene Concentration: 49.3 ppb

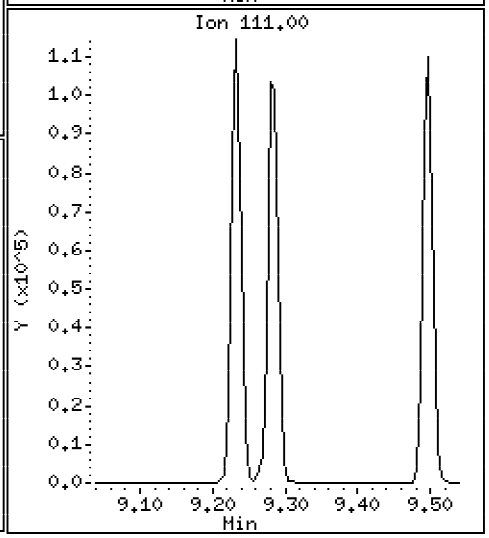


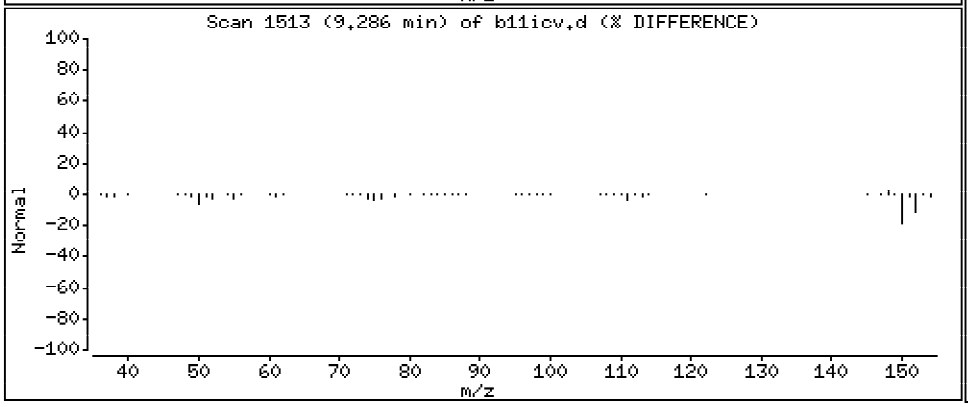












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 88

Date : 10-JAN-2014 21:40

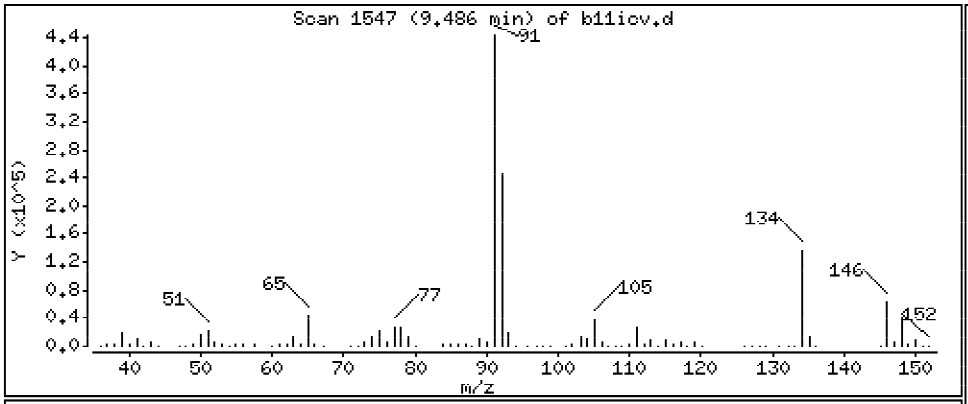
Client ID: 8260-ICV Instrument: 50mv4b.i

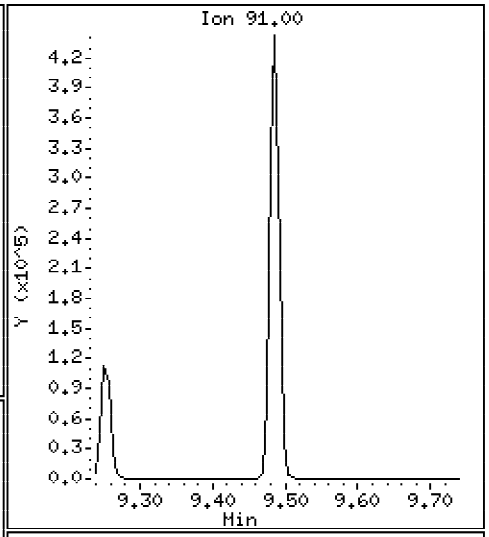
Sample Info: 8260-ICV,59989:0

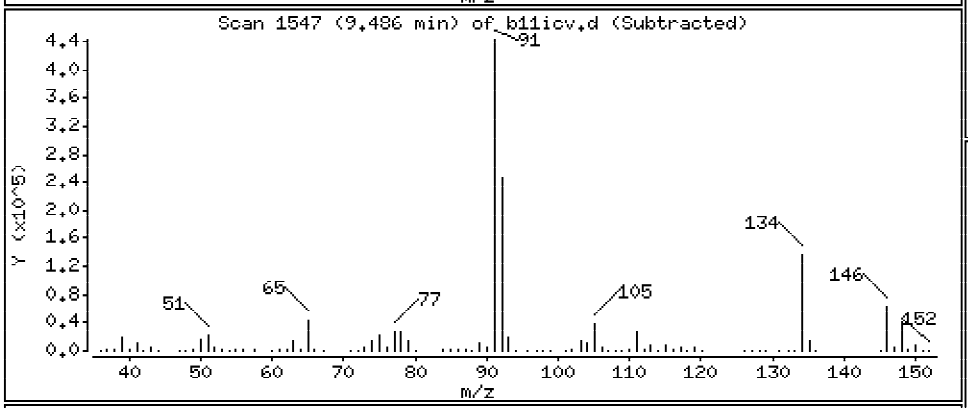
Purge Volume: 5.0 Operator: rsw

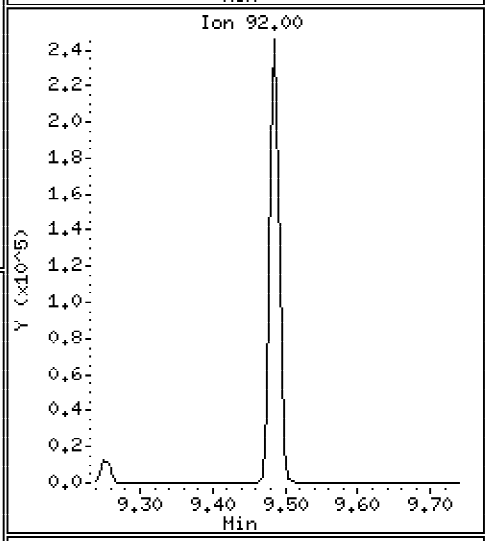
Column phase: DB-624 Column diameter: 0.18

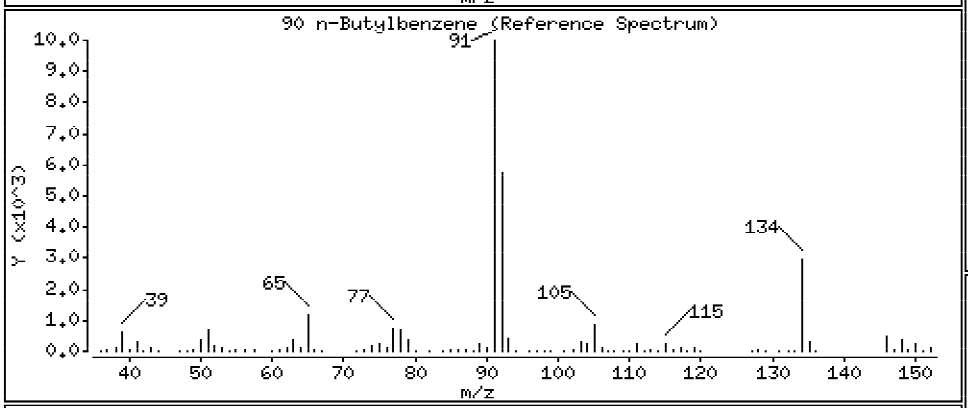
90 n-Butylbenzene Concentration: 54.7 ppb

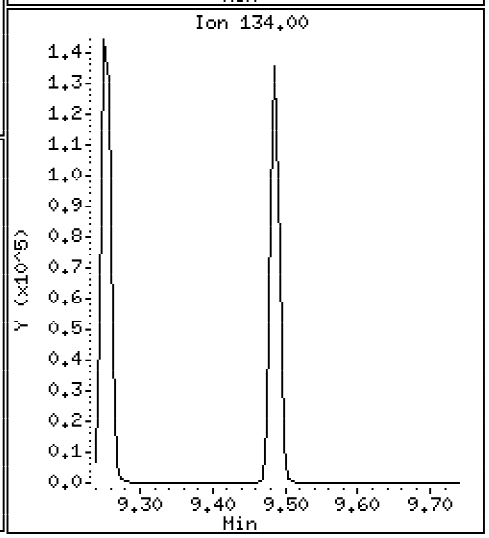


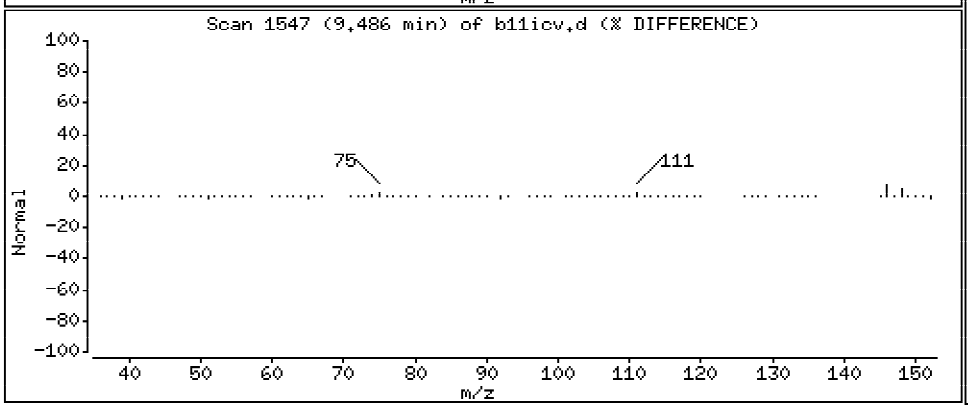












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 89

Date : 10-JAN-2014 21:40

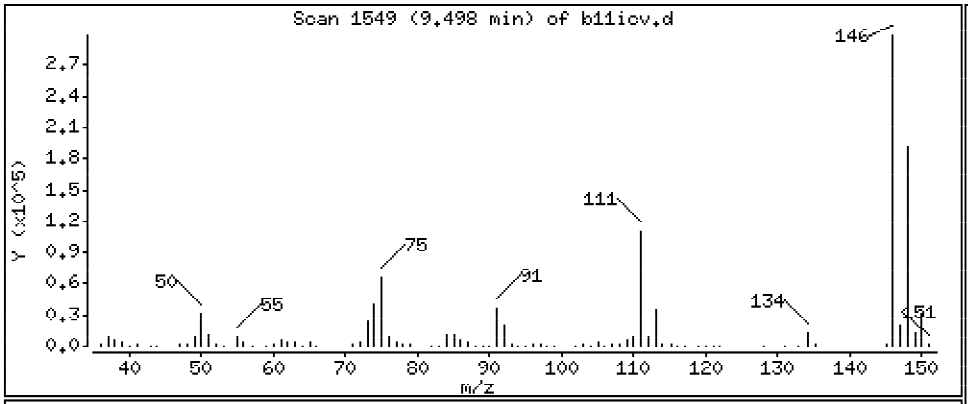
Client ID: 8260-ICV Instrument: 50mv4b.i

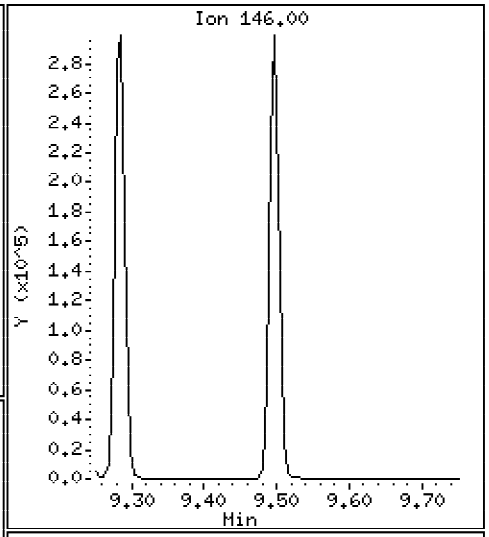
Sample Info: 8260-ICV,59989:0

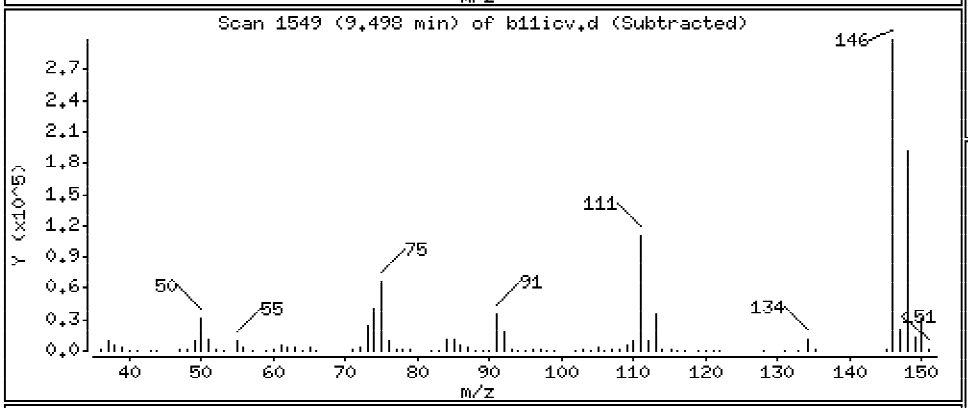
Purge Volume: 5.0 Operator: rsw

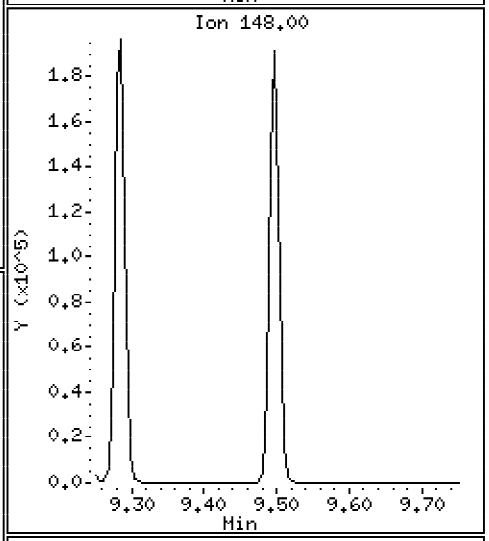
Column phase: DB-624 Column diameter: 0.18

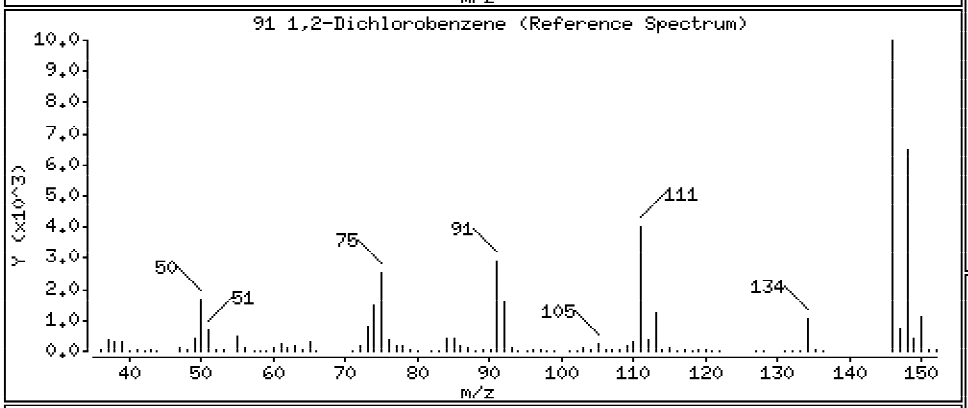
91 1,2-Dichlorobenzene Concentration: 50.7 ppb

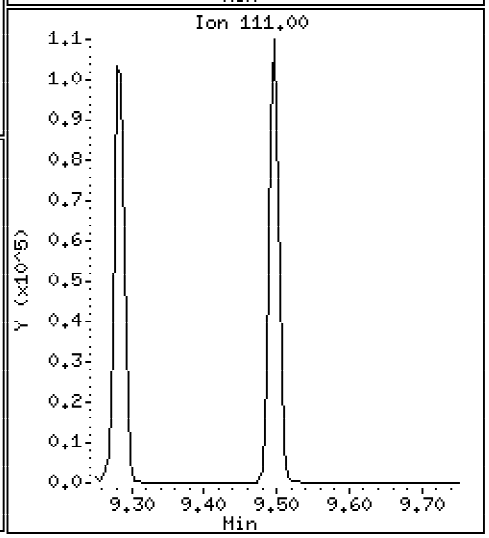


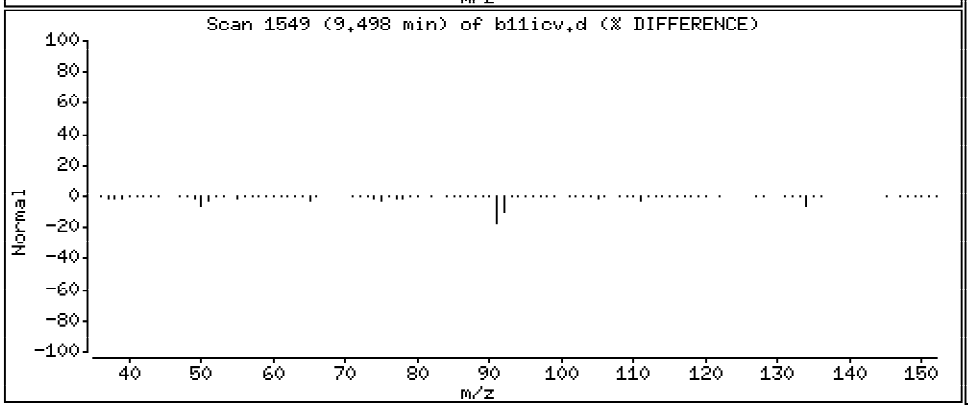












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 90

Date : 10-JAN-2014 21:40

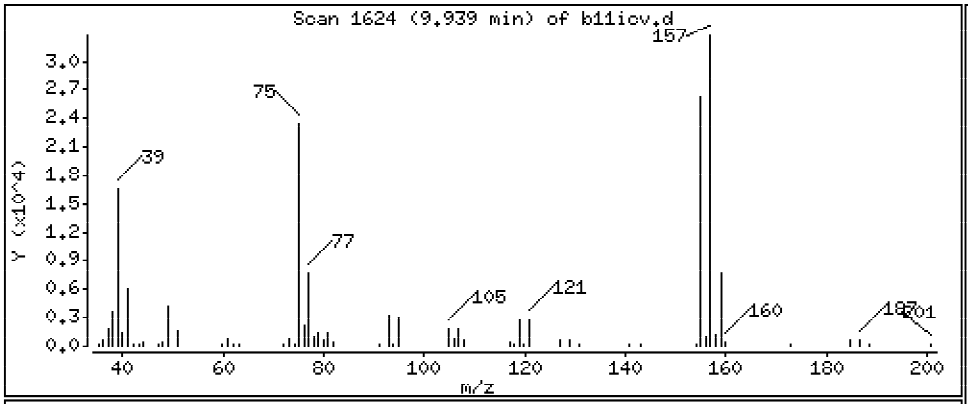
Client ID: 8260-ICV Instrument: 50mv4b.i

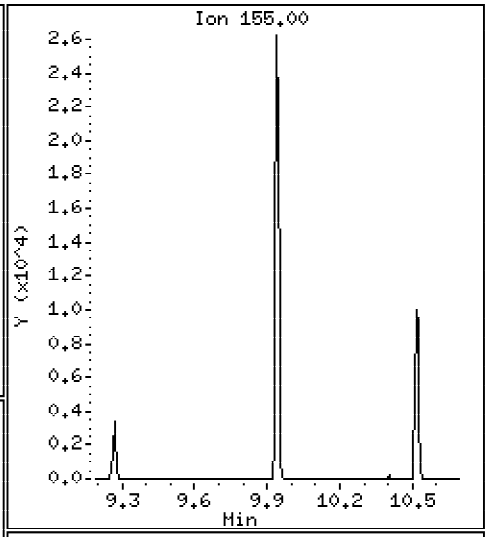
Sample Info: 8260-ICV,59989:0

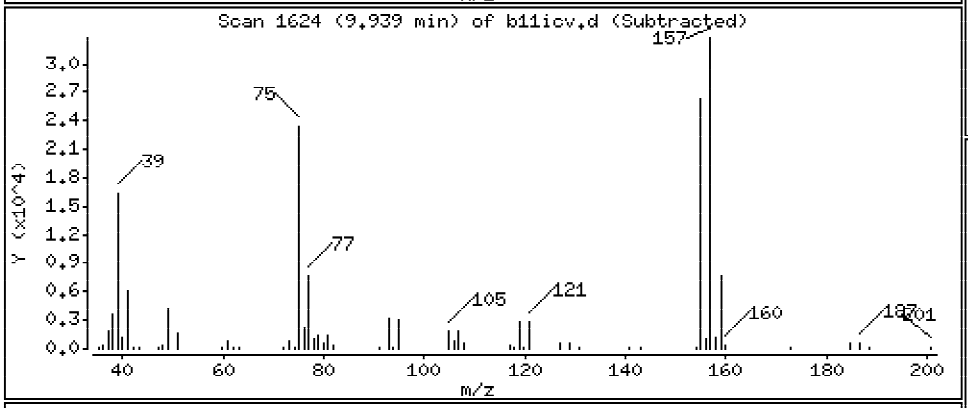
Purge Volume: 5.0 Operator: rsw

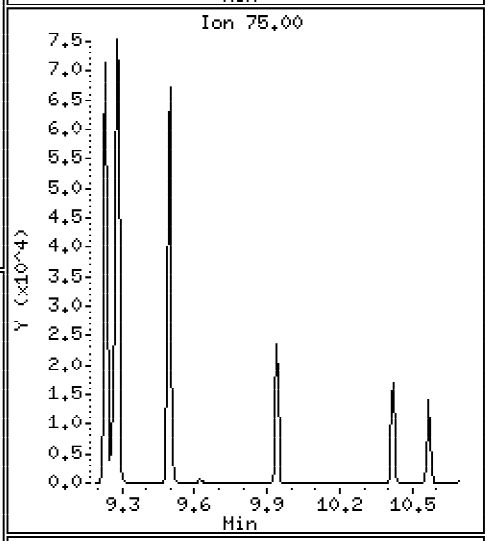
Column phase: DB-624 Column diameter: 0.18

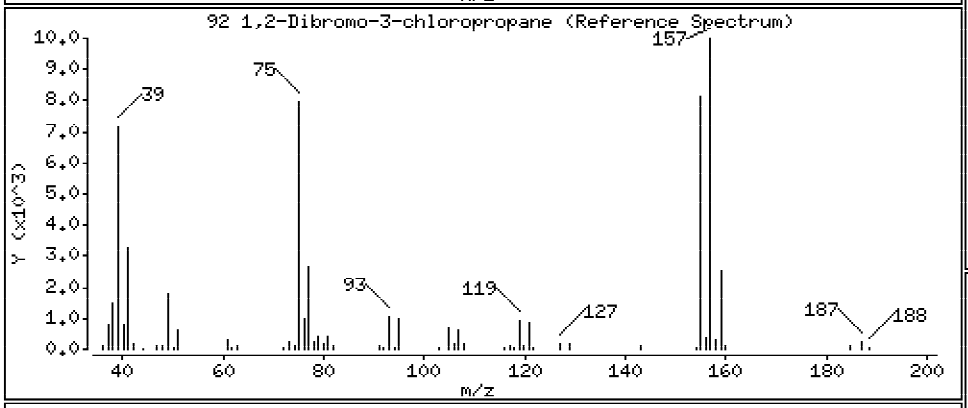
92 1,2-Dibromo-3-chloropropane Concentration: 44.8 ppb

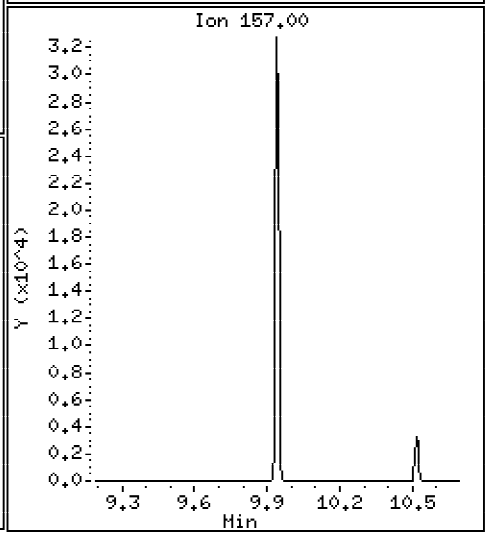


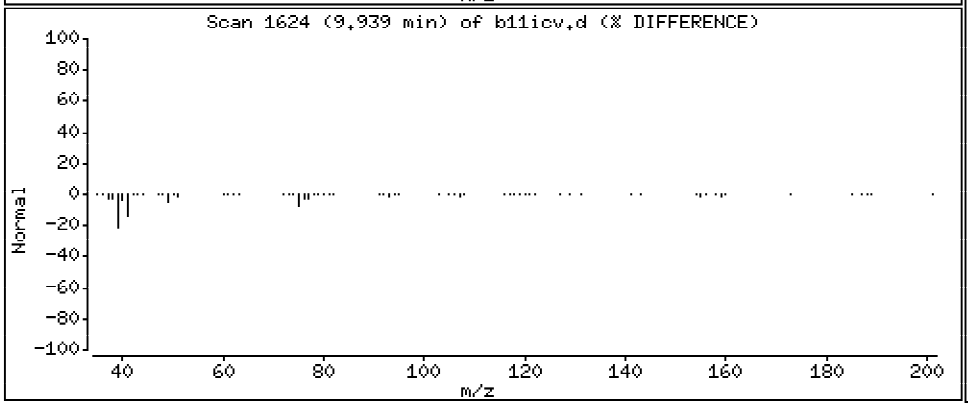












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 91

Date : 10-JAN-2014 21:40

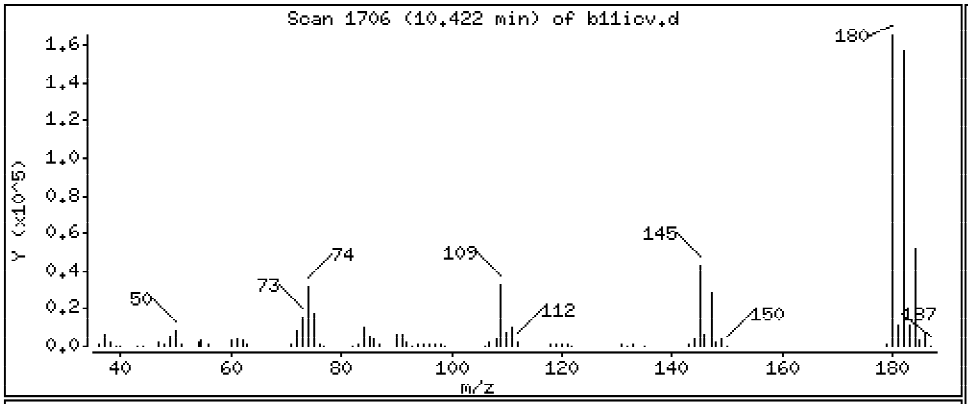
Client ID: 8260-ICV Instrument: 50mv4b.i

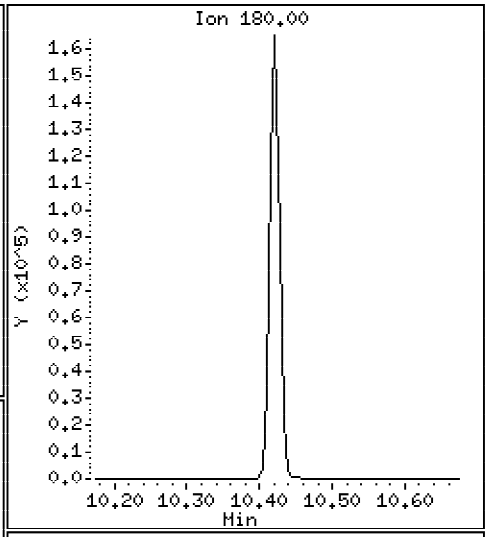
Sample Info: 8260-ICV,59989:0

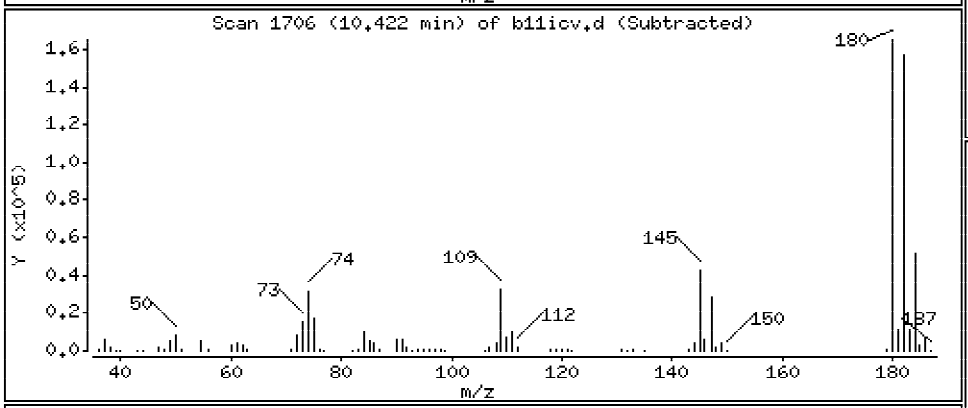
Purge Volume: 5.0 Operator: rsw

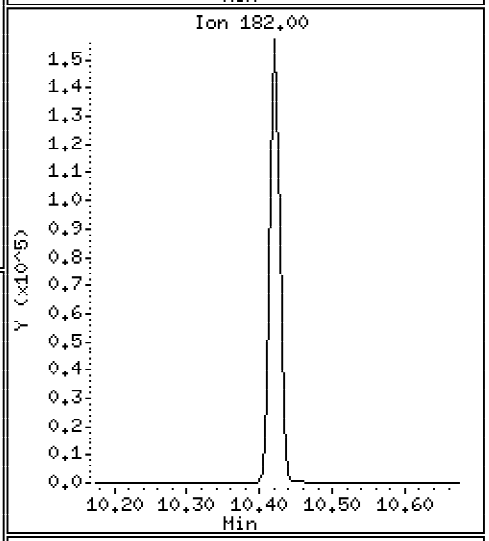
Column phase: DB-624 Column diameter: 0.18

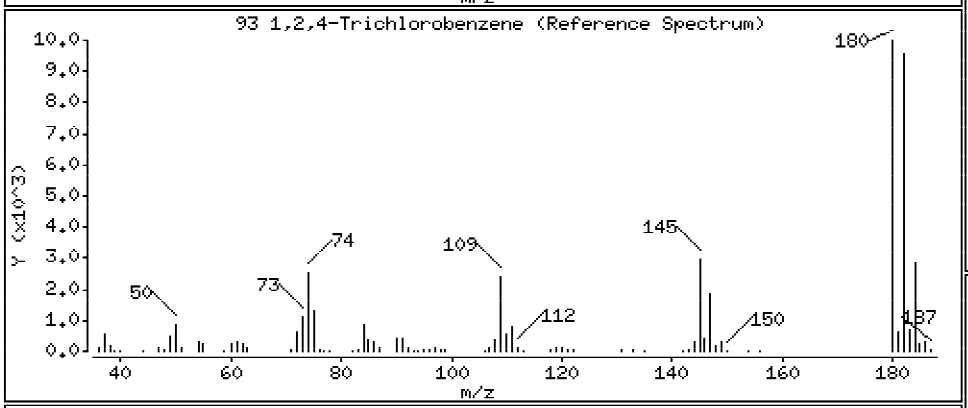
93 1,2,4-Trichlorobenzene Concentration: 45.3 ppb

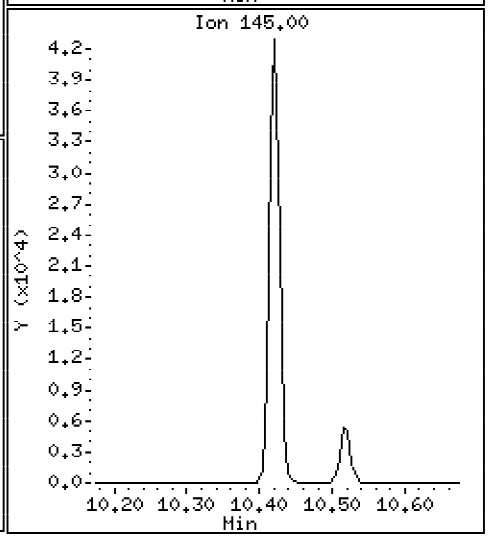


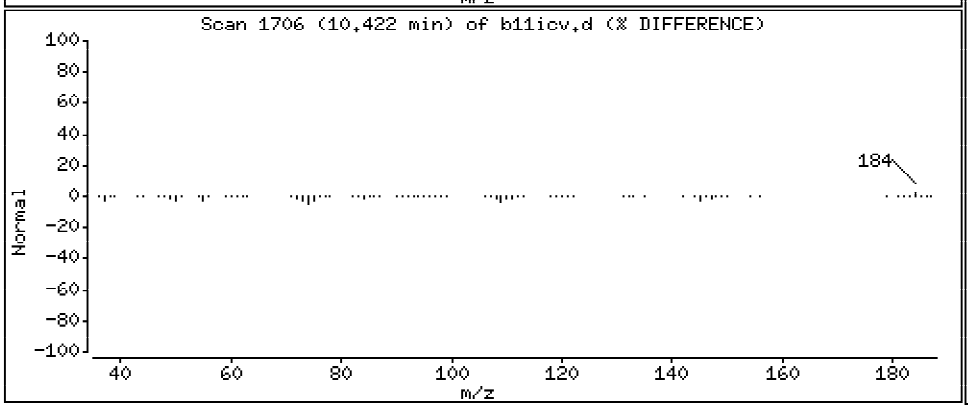












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 92

Date : 10-JAN-2014 21:40

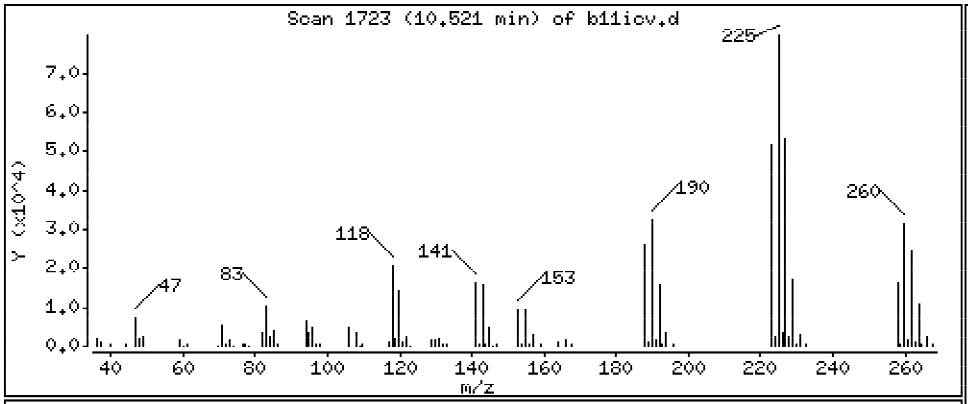
Client ID: 8260-ICV Instrument: 50mv4b.i

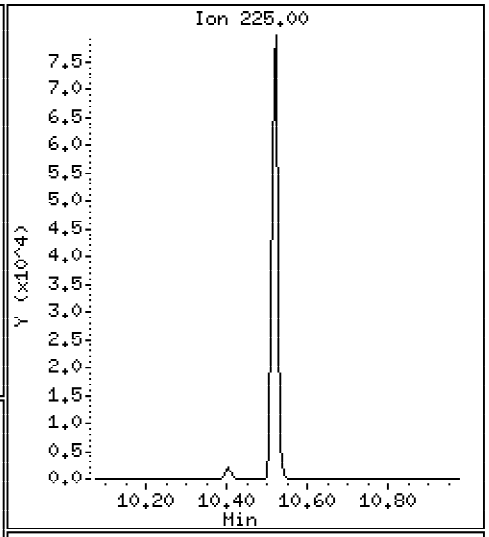
Sample Info: 8260-ICV,59989:0

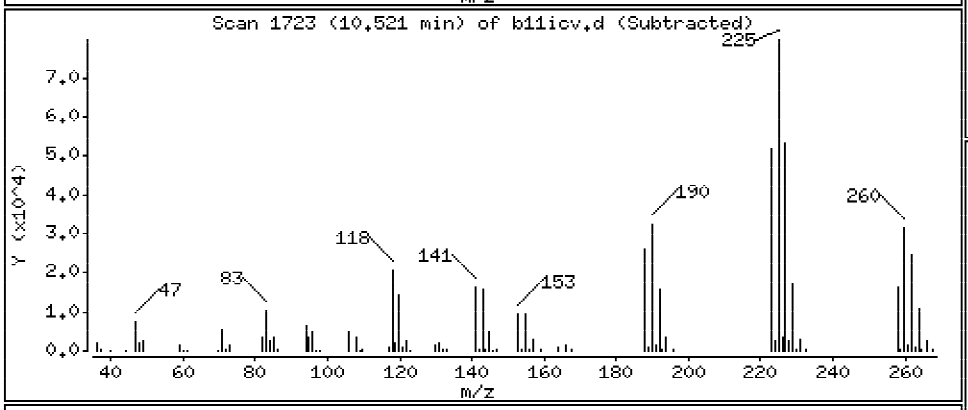
Purge Volume: 5.0 Operator: rsw

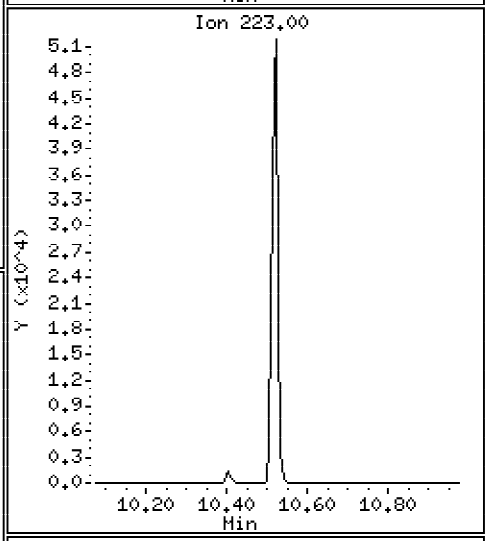
Column phase: DB-624 Column diameter: 0.18

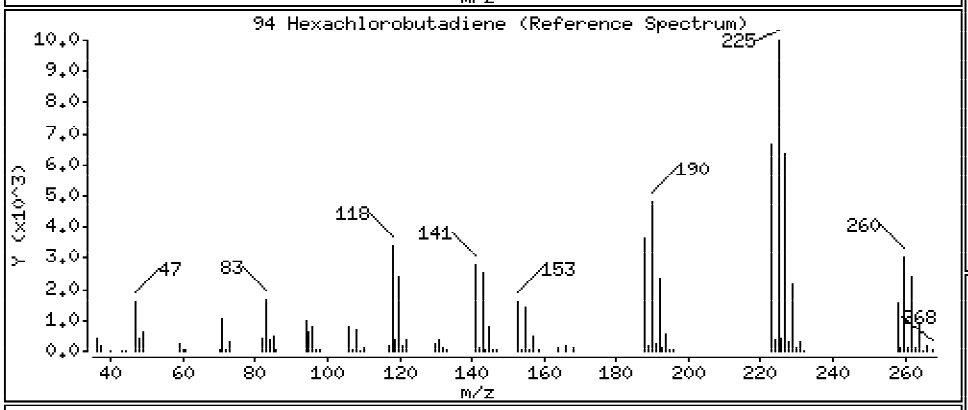
94 Hexachlorobutadiene Concentration: 54.4 ppb

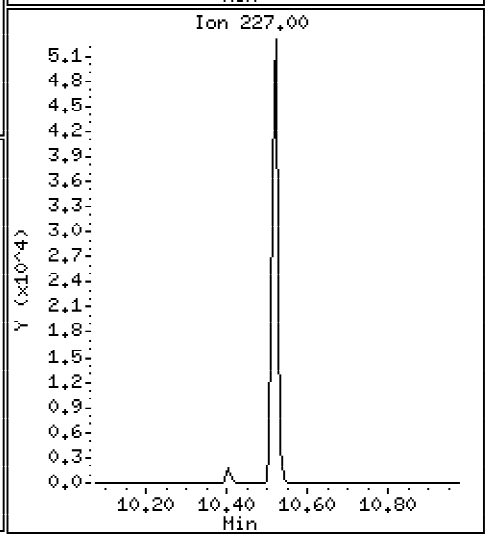


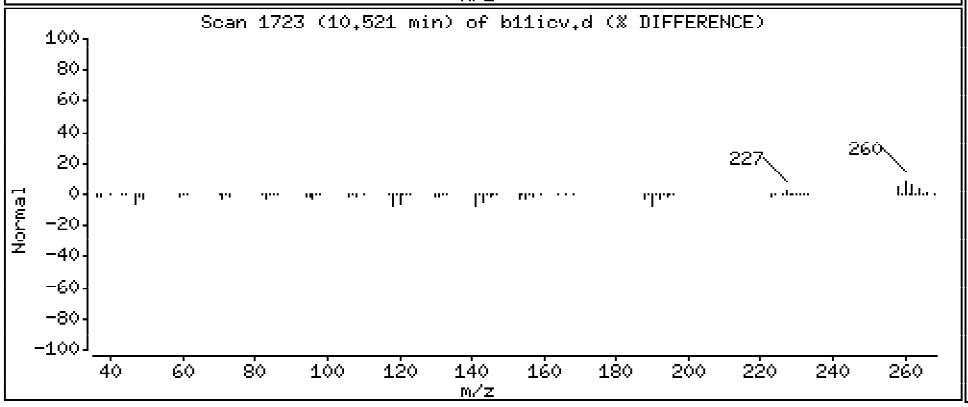












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 93

Date : 10-JAN-2014 21:40

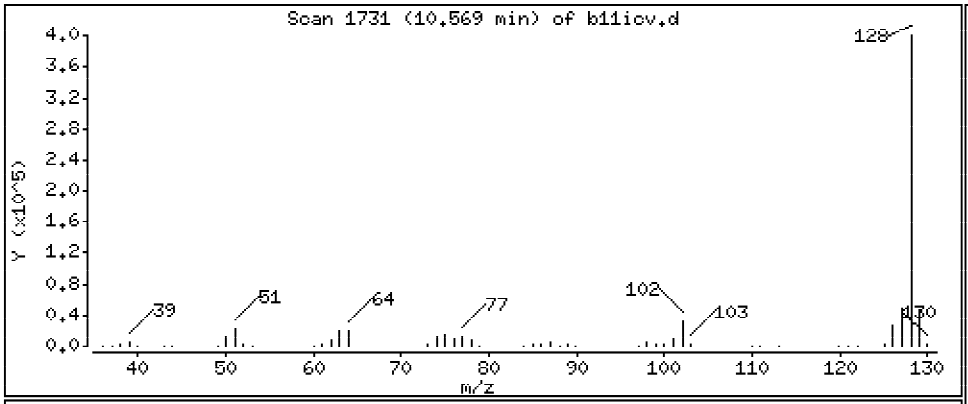
Client ID: 8260-ICV Instrument: 50mv4b.i

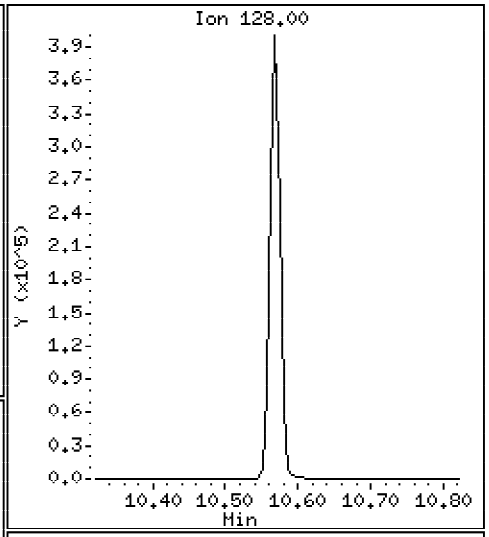
Sample Info: 8260-ICV,59989:0

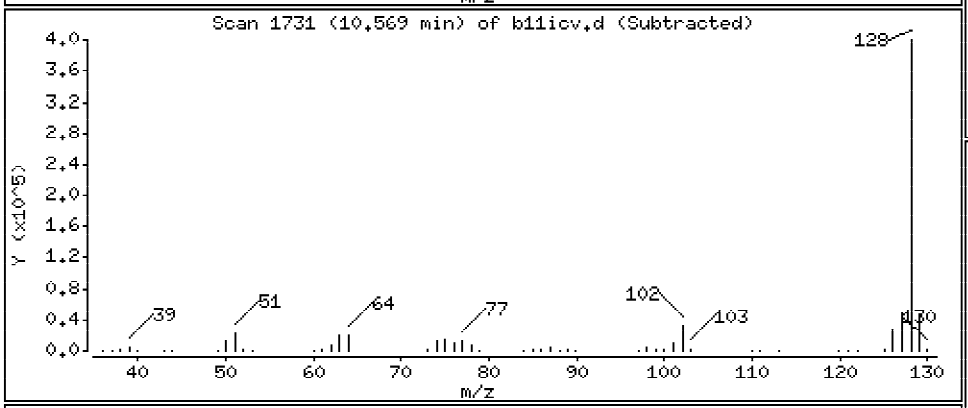
Purge Volume: 5.0 Operator: rsw

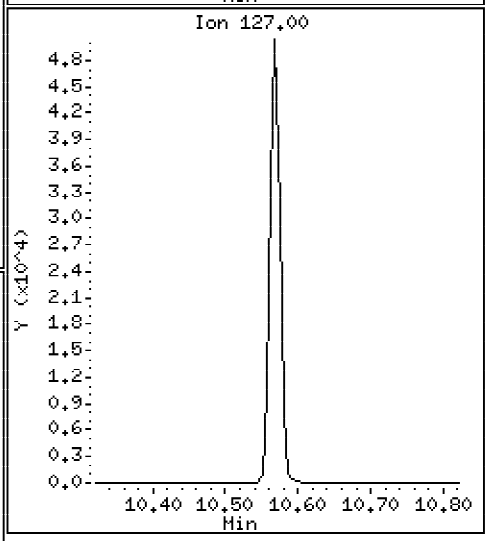
Column phase: DB-624 Column diameter: 0.18

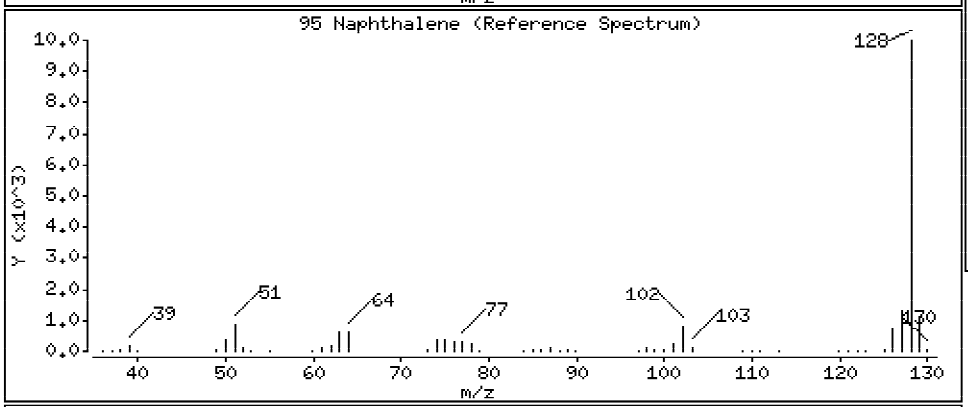
95 Naphthalene Concentration: 46.3 ppb

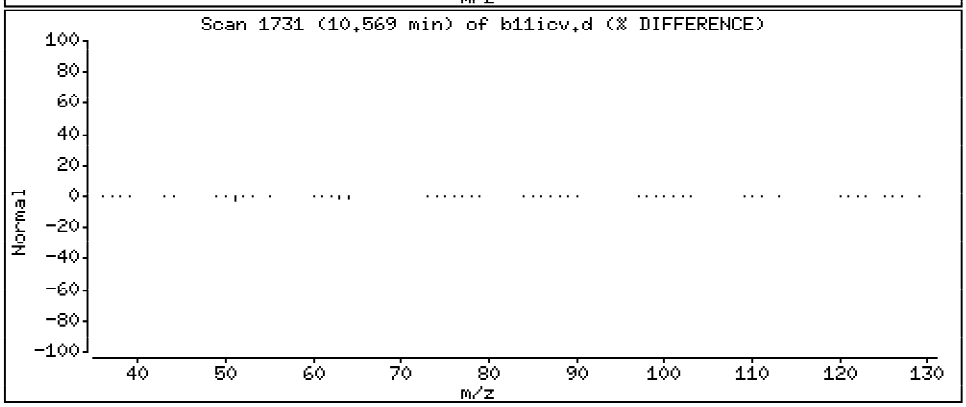












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 94

Date : 10-JAN-2014 21:40

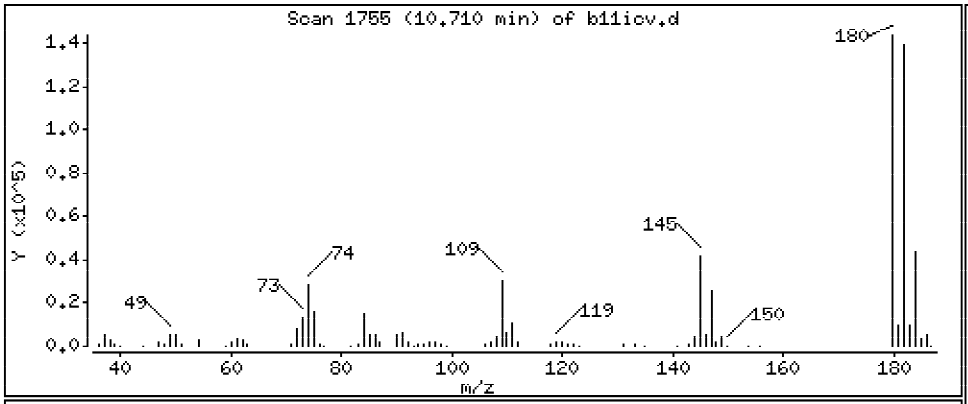
Client ID: 8260-ICV Instrument: 50mv4b.i

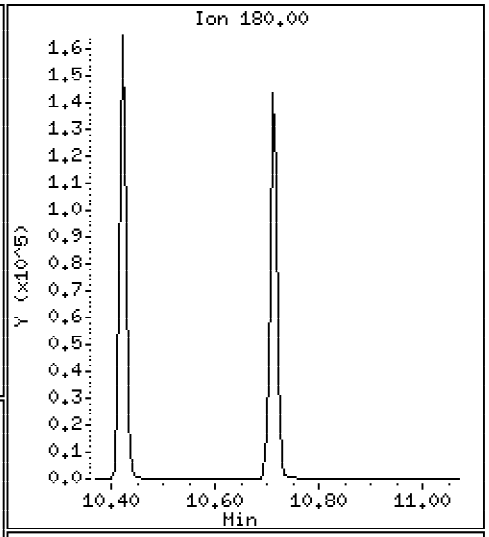
Sample Info: 8260-ICV,59989:0

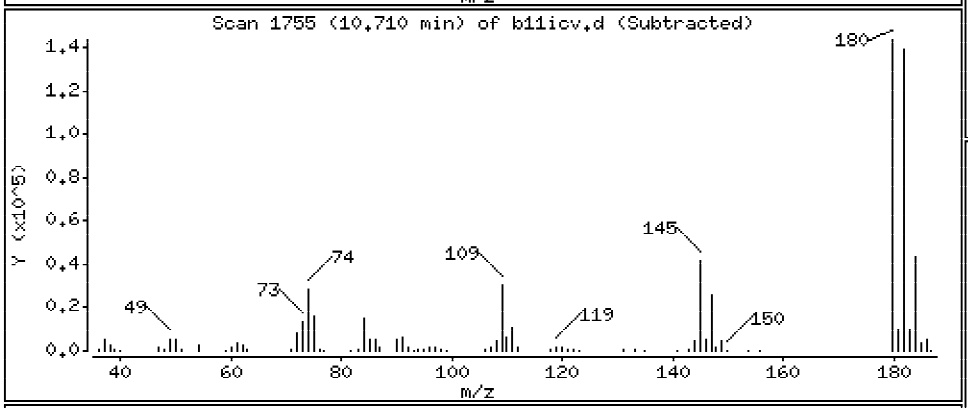
Purge Volume: 5.0 Operator: rsw

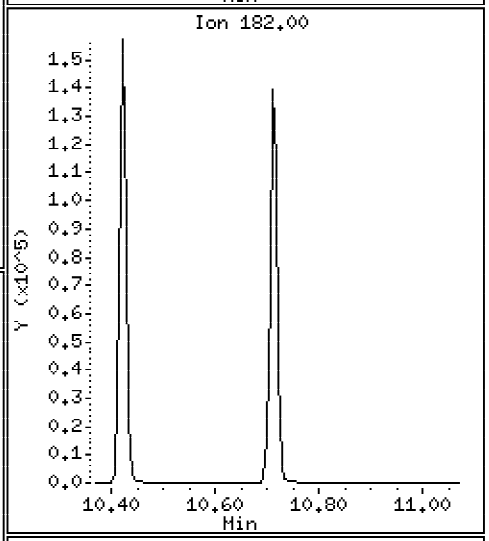
Column phase: DB-624 Column diameter: 0.18

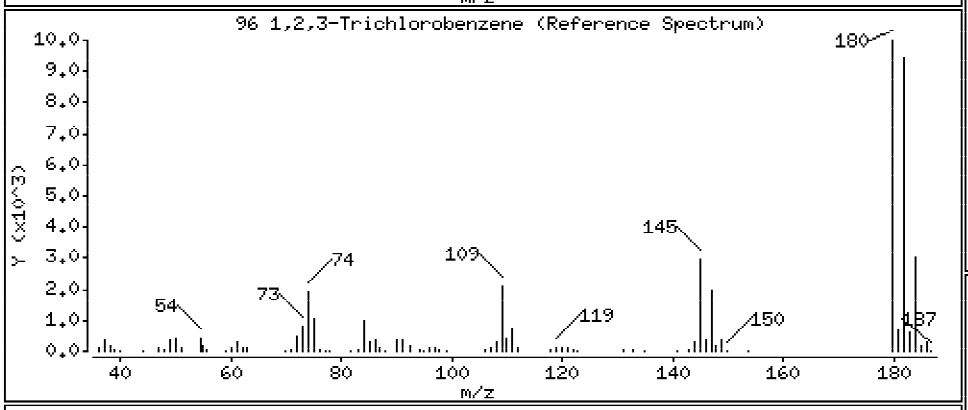
96 1,2,3-Trichlorobenzene Concentration: 45.6 ppb

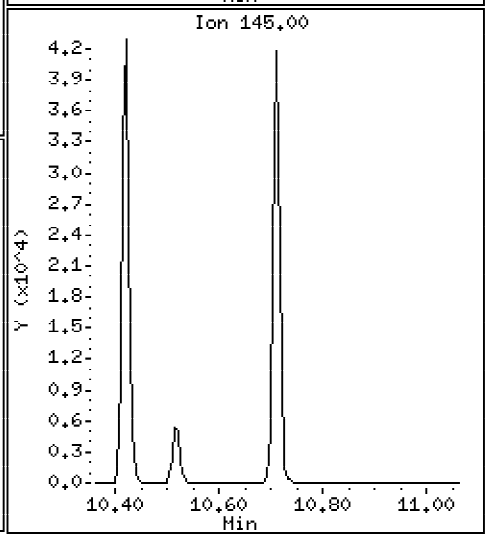


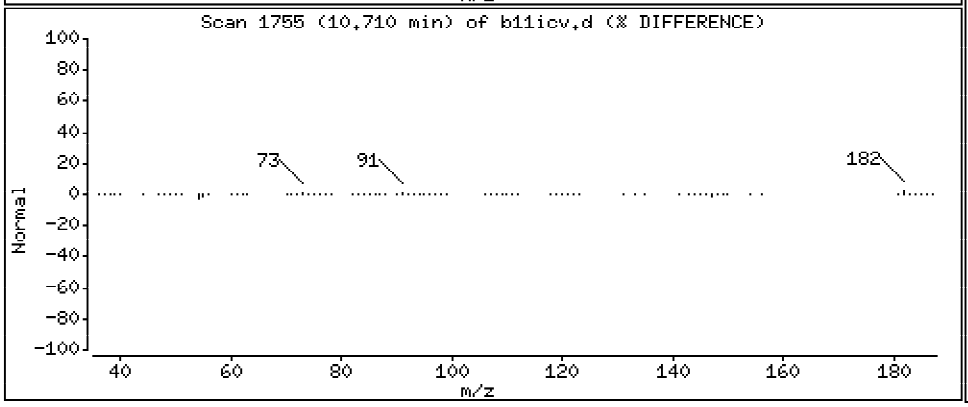












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 95

Date : 10-JAN-2014 21:40

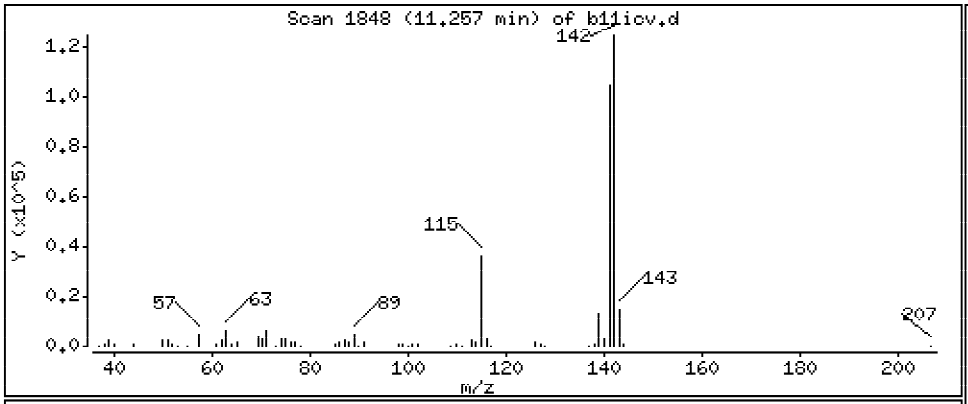
Client ID: 8260-ICV Instrument: 50mv4b.i

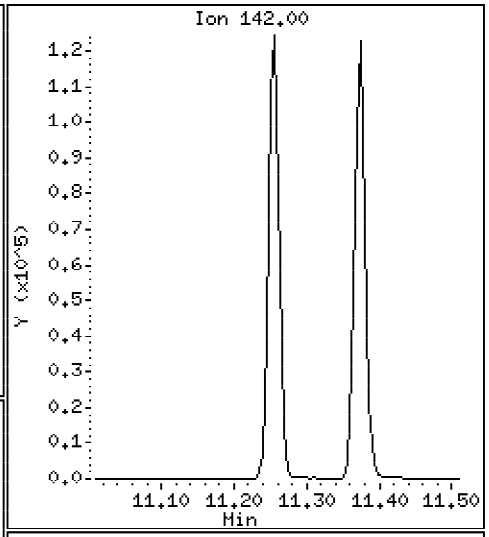
Sample Info: 8260-ICV,59989:0

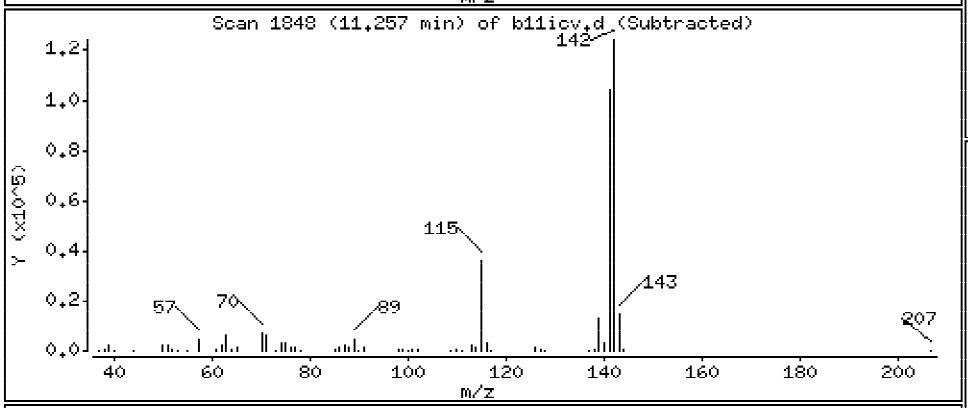
Purge Volume: 5.0 Operator: rsw

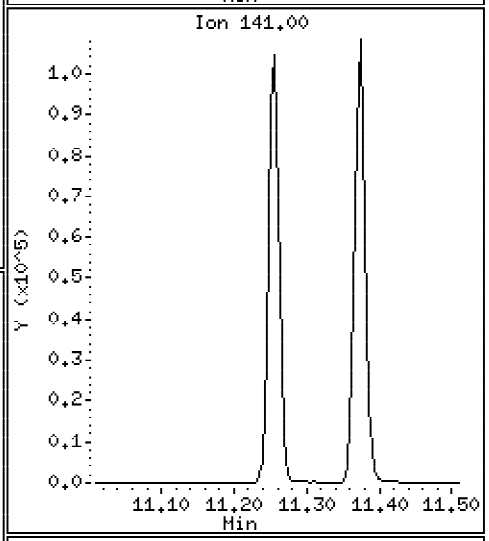
Column phase: DB-624 Column diameter: 0.18

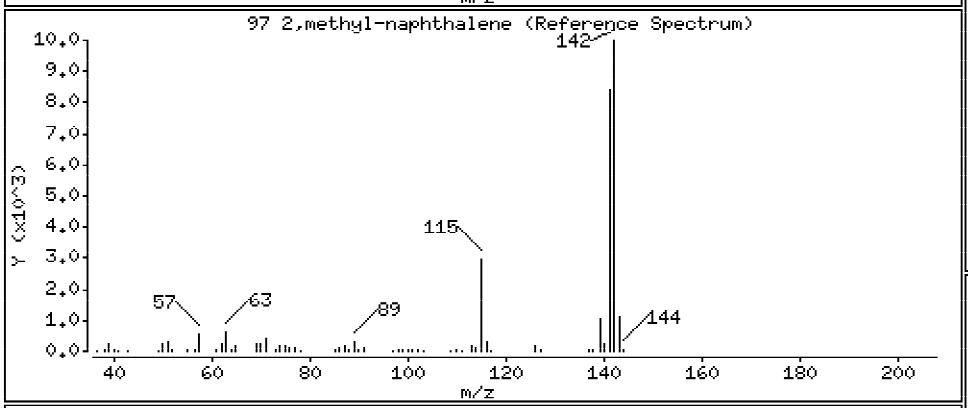
97 2,methyl-naphthalene Concentration: 45.9 ppb

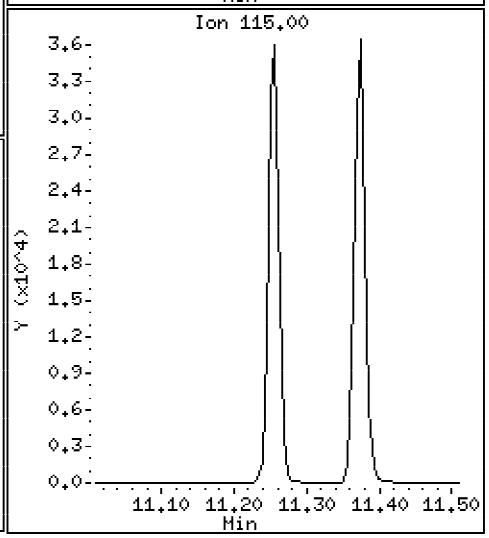


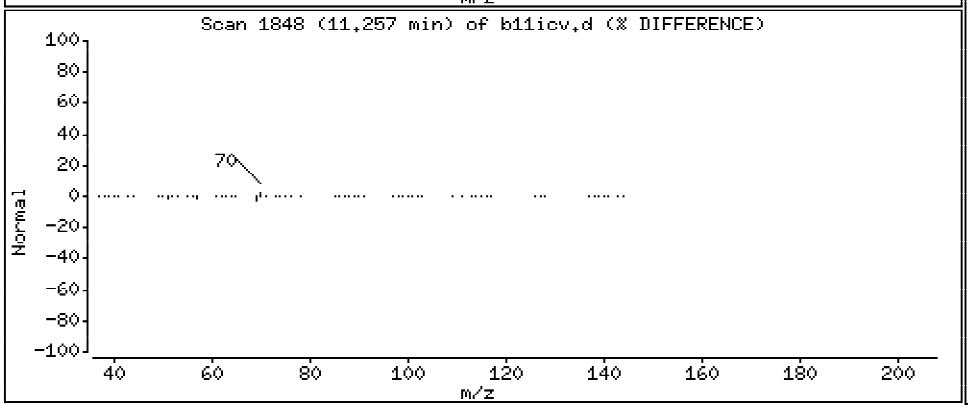












Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b11icv.d Page 96

Date : 10-JAN-2014 21:40

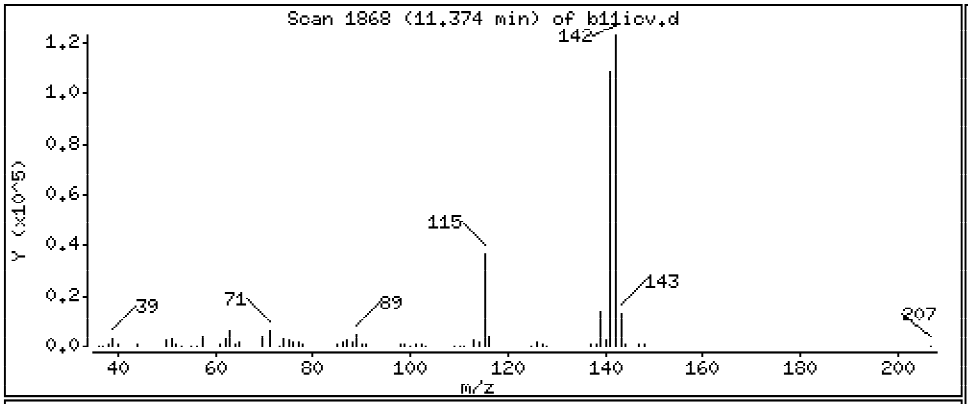
Client ID: 8260-ICV Instrument: 50mv4b.i

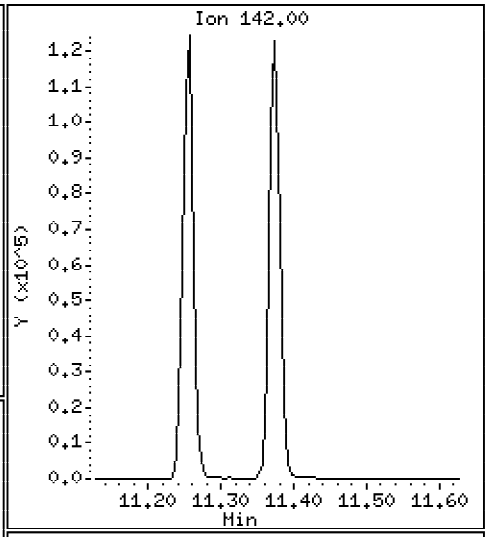
Sample Info: 8260-ICV,59989:0

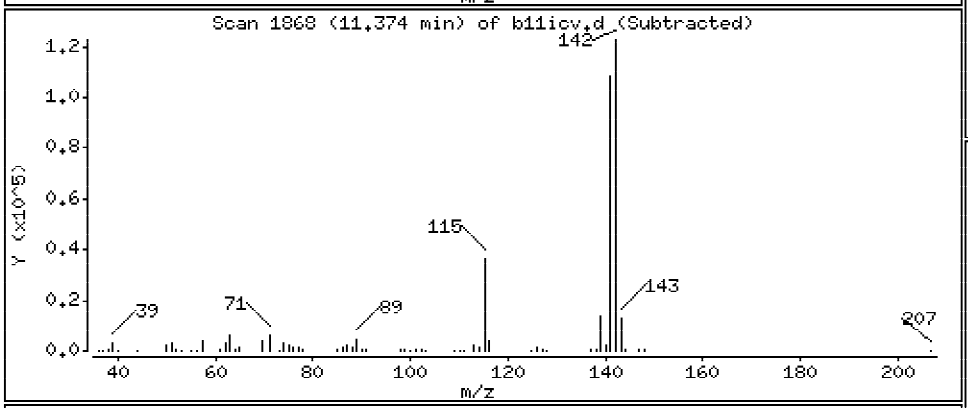
Purge Volume: 5.0 Operator: rsw

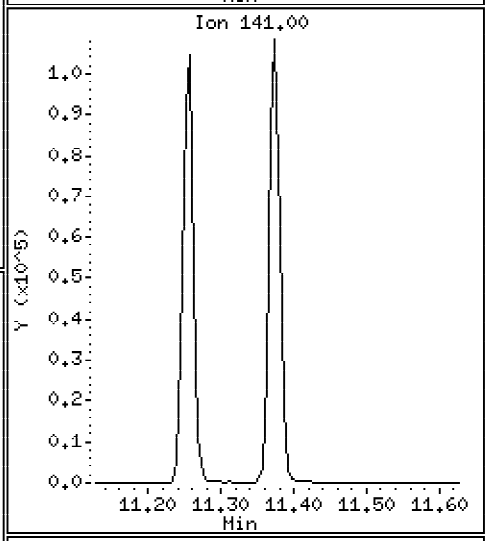
Column phase: DB-624 Column diameter: 0.18

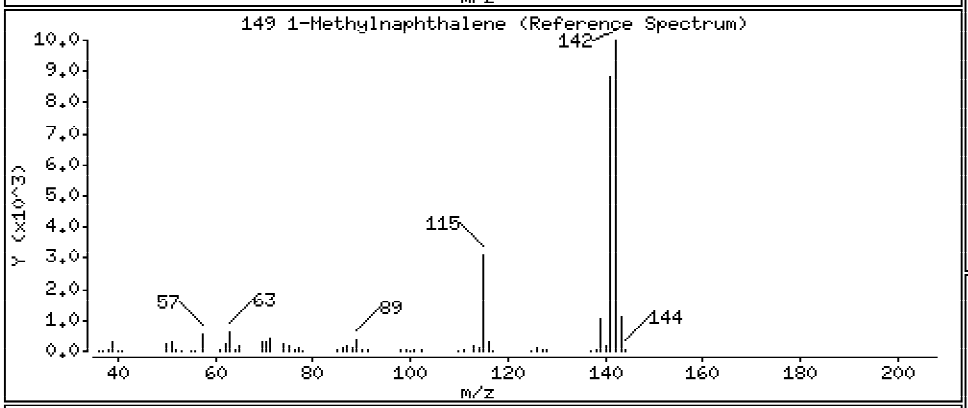
149 1-Methylnaphthalene Concentration: 39.5 ppb

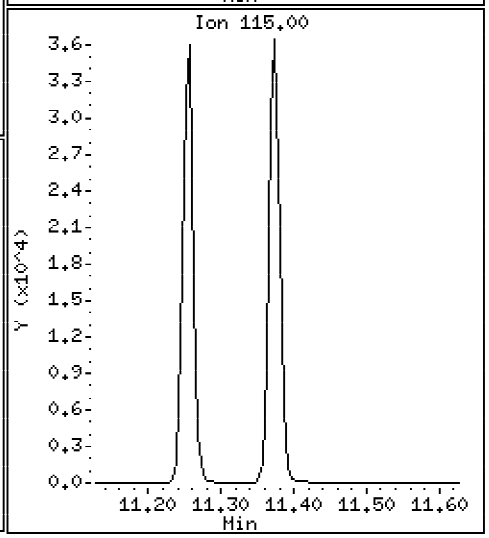


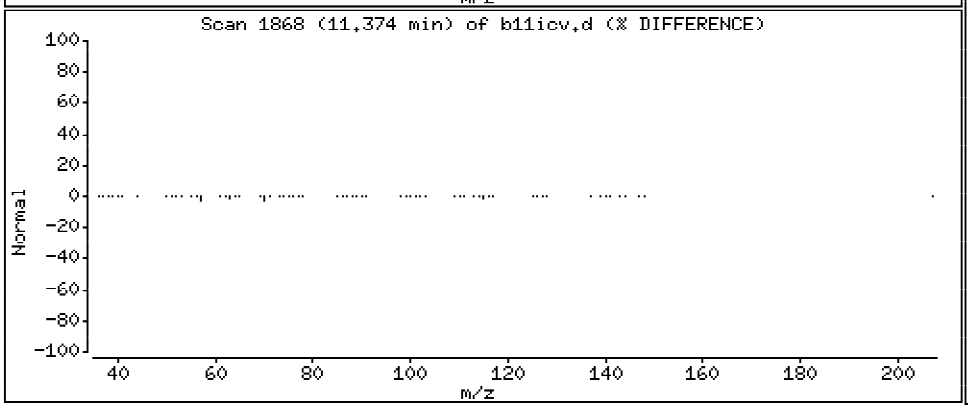












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b01ccv.d Page 1
Report Date: 16-Jan-2014 18:11

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv4b.i\b011514.b\b01ccv.d
Lab Smp Id: 8260-CCV Client Smp ID: 8260-CCV
Inj Date : 15-JAN-2014 11:50
Operator : rsw Inst ID: 50mv4b.i
Smp Info : 8260-ccv,60231:0
Misc Info : 60992
Comment :
Method : \\192.168.50.6\chem\50mv4b.i\b011514.b\-b8260_a_b.m
Meth Date : 16-Jan-2014 11:48 rwrede Quant Type: ISTD
Cal Date : 10-JAN-2014 20:36 Cal File: b09.d
Als bottle: 4 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: VOA-RSR

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)
1	Dichlorodifluoromethane	85	1.063	1.063	(0.205)	145360	50.0000	44.2
2	Chloromethane	50	1.163	1.169	(0.224)	127227	50.0000	43.4
3	Vinyl Chloride	62	1.228	1.227	(0.236)	128963	50.0000	44.7
4	Bromomethane	94	1.410	1.410	(0.272)	13017	50.0000	16.6
5	Chloroethane	64	1.475	1.474	(0.284)	39694	50.0000	28.6
6	Trichlorofluoromethane	101	1.639	1.639	(0.316)	156480	50.0000	43.0
7	1,2-dichlorotrifluoroethane	67	1.845	1.851	(0.355)	97883	50.0000	43.3
8	Diethyl ether	74	1.845	1.845	(0.355)	56044	50.0000	46.7
9	Acrolein	56	1.933	1.939	(0.372)	298079	1000.00	1060
10	1,1,2trichlorotrifluoroethane	101	1.998	1.998	(0.385)	100132	50.0000	46.5
11	1,1-Dichloroethene	96	1.992	1.998	(0.384)	94626	50.0000	43.4
12	Acetone	43	2.051	2.057	(0.395)	109106	250.000	245
13	Iodomethane	142	2.104	2.110	(0.405)	147594	100.000	71.3
14	Carbon Disulfide	76	2.151	2.151	(0.414)	475494	100.000	84.0
15	Acetonitrile	39	2.280	2.280	(0.439)	153833	50.0000	43.7
16	allyl chloride	41	2.275	2.286	(0.438)	228733	100.000	94.5
17	Methyl Acetate	43	2.316	2.316	(0.446)	65746	50.0000	49.6
18	Methylene Chloride	84	2.380	2.386	(0.459)	122276	50.0000	58.1
19	tert-Butyl Alcohol	59	2.539	2.539	(0.489)	20395	100.000	91.2

20 Acrylonitrile	53	2.622	2.621 (0.505)	871285	1000.00	1140
21 Methyl-tert-butyl ether	73	2.645	2.651 (0.509)	640455	100.000	95.2
22 1,2-Dichloroethene (trans)	96	2.627	2.627 (0.506)	131367	50.0000	51.2

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)
23	n-Hexane	57	2.904	2.904	(0.559)	157973	50.0000	49.0
24	1,1-Dichloroethane	63	3.057	3.057	(0.589)	210527	50.0000	47.8
25	Vinyl Acetate	43	3.151	3.151	(0.607)	943833	200.000	213
26	chloroprene	53	3.157	3.157	(0.608)	174051	50.0000	49.8
27	1,2-Dichloroethene (cis)	96	3.786	3.780	(0.729)	144257	50.0000	47.9
28	2,2-Dichloropropane	77	3.769	3.768	(0.726)	165843	50.0000	50.3
29	2-Butanone	43	3.851	3.851	(0.742)	257462	250.000	258
30	Propionitrile	54	3.927	3.927	(0.756)	17413	50.0000	51.9
31	Methacrylonitrile	41	4.121	4.121	(0.794)	87799	50.0000	55.4
32	Bromochloromethane	49	4.098	4.104	(0.789)	91435	50.0000	46.8
33	Tetrahydrofuran	42	4.174	4.174	(0.804)	34783	50.0000	15.1
34	Chloroform	83	4.233	4.233	(0.815)	211316	50.0000	46.9
$ 35	Dibromofluoromethane (S)	113	4.433	4.433	(0.854)	158934	50.0000	50.0
36	1,1,1-Trichloroethane	97	4.421	4.421	(0.852)	188655	50.0000	48.3
37	Cyclohexane	56	4.474	4.468	(0.862)	163436	50.0000	47.7
38	Carbon Tetrachloride	117	4.616	4.615	(0.889)	166307	50.0000	51.9
39	1,1-Dichloropropene	75	4.627	4.627	(0.891)	175365	50.0000	47.9
40	Benzene	78	4.863	4.862	(0.937)	493521	50.0000	45.6
41	1,2-Dichloroethane	62	4.904	4.904	(0.944)	162155	50.0000	47.9
42	2,2,4-Trimethylpentane	57	4.980	4.980	(0.959)	298022	50.0000	48.2
43	Isobutyl alcohol	43	4.980	4.980	(0.959)	50348	50.0000	49.3
* 44	Fluorobenzene	96	5.192	5.192	(1.000)	618396	50.0000	
45	Trichloroethene	95	5.580	5.580	(1.075)	131955	50.0000	47.2
46	Methylcyclohexane	55	5.757	5.757	(1.109)	127961	50.0000	47.4
47	1,2-Dichloropropane	63	5.810	5.809	(1.119)	120694	50.0000	46.8
48	Dibromomethane	93	5.921	5.921	(1.140)	76159	50.0000	48.8
49	Methyl methacrylate	69	5.986	5.986	(1.153)	82328	50.0000	51.8
50	1,4-Dioxane	88	5.980	5.980	(1.152)	33002	1000.00	1110
51	Bromodichloromethane	83	6.104	6.104	(1.176)	145608	50.0000	48.4
52	2-Chloroethyl vinyl ether	63	6.427	6.427	(0.816)	162541	100.000	103
53	cis-1,3-Dichloropropene	75	6.539	6.539	(0.830)	195667	50.0000	53.9
54	4-Methyl-2-Pentanone	43	6.710	6.709	(0.852)	531729	250.000	296
$ 55	Toluene-d8	98	6.774	6.774	(0.860)	618467	50.0000	49.7
56	Toluene	91	6.833	6.833	(0.868)	561882	50.0000	48.5
57	trans-1,3-Dichloropropene	75	7.057	7.056	(0.896)	158457	50.0000	53.3
58	Ethyl Methacrylate	69	7.162	7.162	(0.910)	154400	50.0000	52.9
59	1,1,2-Trichloroethane	83	7.198	7.198	(0.914)	91441	50.0000	48.3
60	Tetrachloroethene	166	7.286	7.286	(0.925)	172259	50.0000	49.9
61	1,3-Dichloropropane	76	7.321	7.321	(0.930)	184717	50.0000	47.8
62	2-Hexanone	43	7.409	7.409	(0.941)	365101	250.000	262
63	Dibromochloromethane	129	7.486	7.486	(0.951)	119226	50.0000	44.1
64	1,2-Dibromoethane	107	7.551	7.551	(0.959)	123837	50.0000	52.6
* 65	Chlorobenzene-d5	117	7.874	7.874	(1.000)	505740	50.0000	
66	Chlorobenzene	112	7.892	7.892	(1.002)	389536	50.0000	48.7
67	1,1,1,2-Tetrachloroethane	131	7.951	7.951	(1.010)	131971	50.0000	54.5
68	Ethylbenzene	106	7.968	7.968	(1.012)	208212	50.0000	49.5
69	m&p-Xylene	106	8.045	8.045	(1.022)	509862	100.000	103
70	o-Xylene	106	8.286	8.292	(1.052)	249144	50.0000	51.7
71	Styrene	104	8.298	8.303	(1.054)	410346	50.0000	53.2
72	Bromoform	173	8.404	8.409	(0.907)	80865	50.0000	42.7
73	Isopropylbenzene	105	8.509	8.515	(1.081)	604984	50.0000	51.2

$	74	4-Bromofluorobenzene	95	8.598	8.603 (1.092)	232049	50.0000	47.6
	75	Bromobenzene	77	8.686	8.686 (1.103)	214790	50.0000	47.7
	76	1,1,2,2-Tetrachloroethane	83	8.692	8.698 (0.938)	150408	50.0000	51.3

Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b01ccv.d Page 3
Report Date: 16-Jan-2014 18:11

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
77	1,2,3-Trichloropropane	110	8.715	8.721	(0.941)	46206	50.0000	49.6
78	trans-1,4-Dichloro-2-butene	53	8.727	8.727	(1.108)	31912	50.0000	59.1
79	n-Propylbenzene	91	8.751	8.756	(0.945)	662605	50.0000	51.3
80	2-Chlorotoluene	91	8.798	8.803	(0.950)	387335	50.0000	48.4
81	1,3,5-Trimethylbenzene	105	8.856	8.856	(0.956)	484889	50.0000	52.3
82	4-Chlorotoluene	126	8.862	8.868	(0.957)	154240	50.0000	52.5
83	tert-Butylbenzene	119	9.039	9.045	(0.976)	525466	50.0000	53.0
84	1,2,4-Trimethylbenzene	105	9.068	9.074	(0.979)	488031	50.0000	51.6
85	sec-Butylbenzene	105	9.168	9.174	(0.990)	563602	50.0000	52.6
86	1,3-Dichlorobenzene	146	9.227	9.233	(0.996)	277809	50.0000	50.8
87	p-Isopropyltoluene	119	9.251	9.256	(0.999)	483934	50.0000	53.5
* 88	1,4-Dichlorobenzene-d4	152	9.262	9.274	(1.000)	279593	50.0000	
89	1,4-Dichlorobenzene	146	9.280	9.286	(1.002)	281565	50.0000	49.8
90	n-Butylbenzene	91	9.480	9.486	(1.023)	394097	50.0000	56.5
91	1,2-Dichlorobenzene	146	9.492	9.497	(1.025)	262643	50.0000	50.6
92	1,2-Dibromo-3-chloropropane	155	9.933	9.944	(1.072)	23364	50.0000	43.5
93	1,2,4-Trichlorobenzene	180	10.409	10.421	(1.124)	152286	50.0000	46.2
94	Hexachlorobutadiene	225	10.509	10.521	(1.135)	80861	50.0000	54.9
95	Naphthalene	128	10.556	10.574	(1.140)	387061	50.0000	48.2
96	1,2,3-Trichlorobenzene	180	10.697	10.715	(1.155)	141983	50.0000	47.2
97	2,methyl-naphthalene	142	11.239	11.256	(1.213)	110697	50.0000	42.9
149	1-Methylnaphthalene	142	11.356	11.374	(2.187)	118462	50.0000	39.8

Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b01ccv.d

Page 4

Date : 15-JAN-2014 11:50

Client ID: 8260-CCV

Instrument: 50mv4b.i

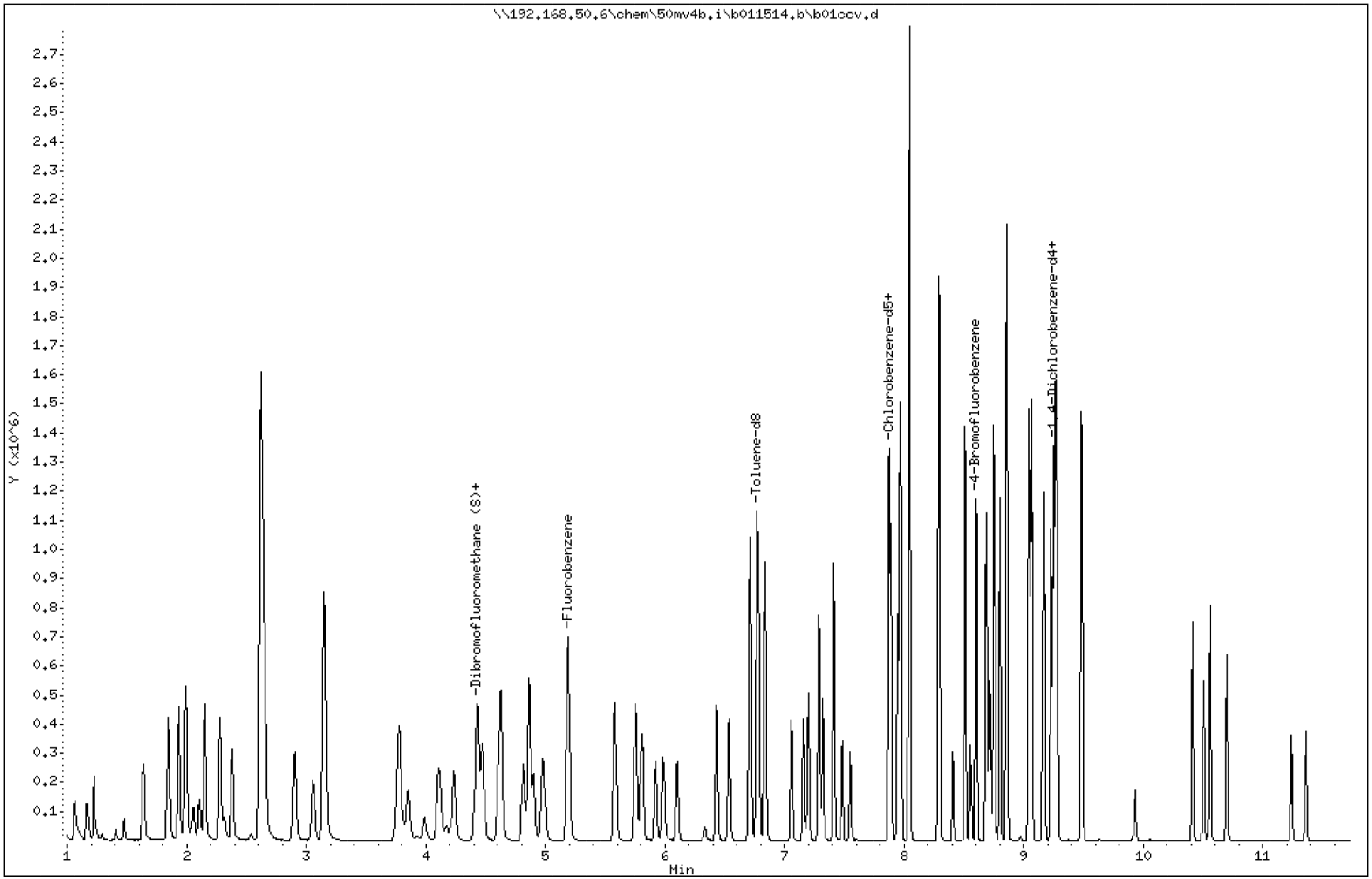
Sample Info: 8260-CCV,60231:0

Purge Volume: 5.0

Operator: rsw

Column phase: DB-624

Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b00bfb.d Page 1

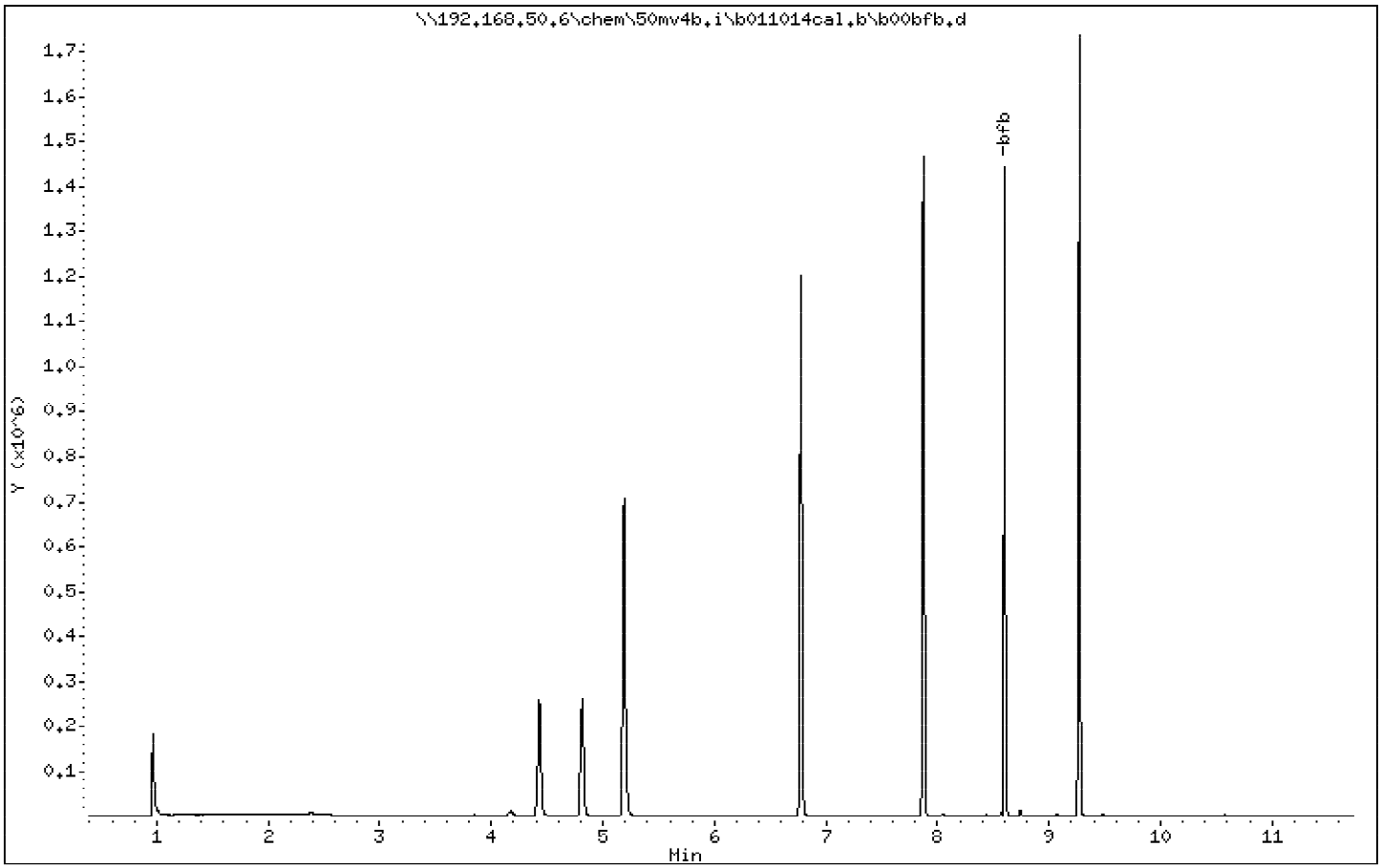
Date : 10-JAN-2014 15:45

Client ID: 8260-TUNE Instrument: 50mv4b.i

Sample Info: 8260-TUNE,60083:0

Volume Injected (uL): 1.0 Operator: rsw

Column phase: Column diameter: 2.00



Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b00bfb.d Page 2

Date : 10-JAN-2014 15:45

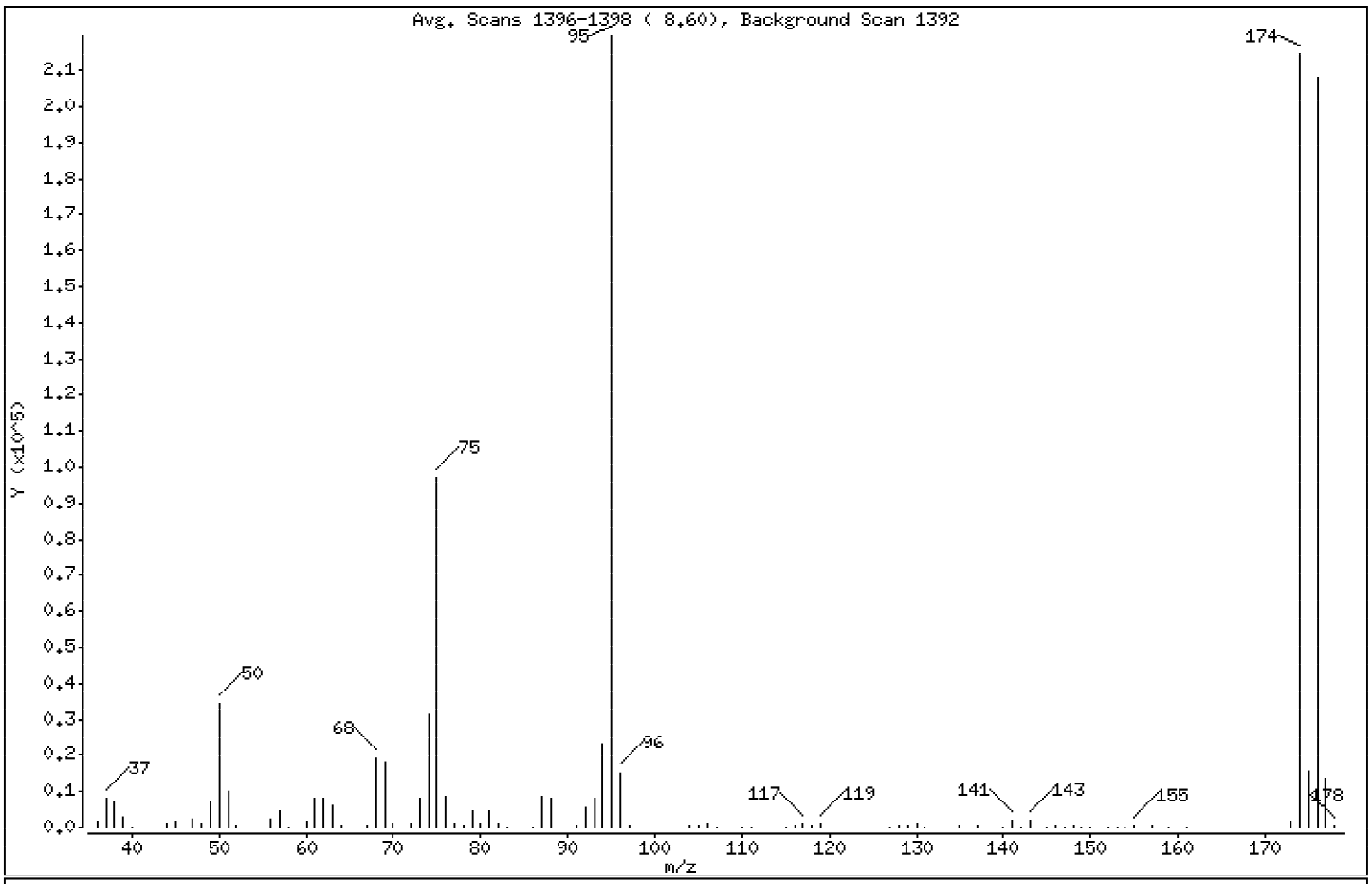
Client ID: 8260-TUNE Instrument: 50mv4b.i

Sample Info: 8260-TUNE,60083:0

Volume Injected (uL): 1.0 Operator: rsw

Column phase: Column diameter: 2.00

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	15.54
75	30.00 - 60.00% of mass 95	44.24
96	5.00 - 9.00% of mass 95	6.82
173	Less than 2.00% of mass 174	0.59 (0.61)
174	50.00 - 100.00% of mass 95	97.76
175	5.00 - 9.00% of mass 174	7.04 (7.21)
176	95.00 - 101.00% of mass 174	94.78 (96.96)
177	5.00 - 9.00% of mass 176	6.30 (6.64)

Data File: \\192.168.50.6\chem\50mv4b.i\b011014cal.b\b00bfb.d Page 3

Date : 10-JAN-2014 15:45

Client ID: 8260-TUNE Instrument: 50mv4b.i

Sample Info: 8260-TUNE,60083:0

Volume Injected (uL): 1.0 Operator: rsw

Column phase: Column diameter: 2.00

Data File: b00bfb.d
Spectrum: Avg. Scans 1396-1398 (8.60), Background Scan 1392
Location of Maximum: 95.00
Number of points: 88

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1428	69.00	18240	97.00	407	145.00	57
37.00	8051	70.00	1157	104.00	730	146.00	329
38.00	6915	72.00	930	105.00	274	147.00	77
39.00	2887	73.00	8101	106.00	869	148.00	603
40.00	65	74.00	31056	107.00	172	149.00	61
44.00	874	75.00	97176	110.00	61	150.00	165
45.00	1505	76.00	8423	111.00	68	152.00	106
47.00	2290	77.00	1118	115.00	199	153.00	136
48.00	935	78.00	668	116.00	661	154.00	136
49.00	6926	79.00	4334	117.00	1209	155.00	506
50.00	34136	80.00	1105	118.00	617	157.00	376
51.00	10316	81.00	4502	119.00	874	159.00	241
52.00	484	82.00	944	127.00	51	161.00	213
56.00	2563	83.00	50	128.00	745	173.00	1301
57.00	4609	86.00	238	129.00	336	174.00	214720
58.00	191	87.00	8655	130.00	783	175.00	15474
60.00	1543	88.00	8285	131.00	232	176.00	208192
61.00	8180	91.00	588	135.00	352	177.00	13829
62.00	8189	92.00	5332	137.00	370	178.00	397
63.00	6307	93.00	8231	140.00	71		
64.00	567	94.00	23296	141.00	1883		
67.00	478	95.00	219648	142.00	164		
68.00	19072	96.00	14979	143.00	2051		

Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b00bfb.d Page 1

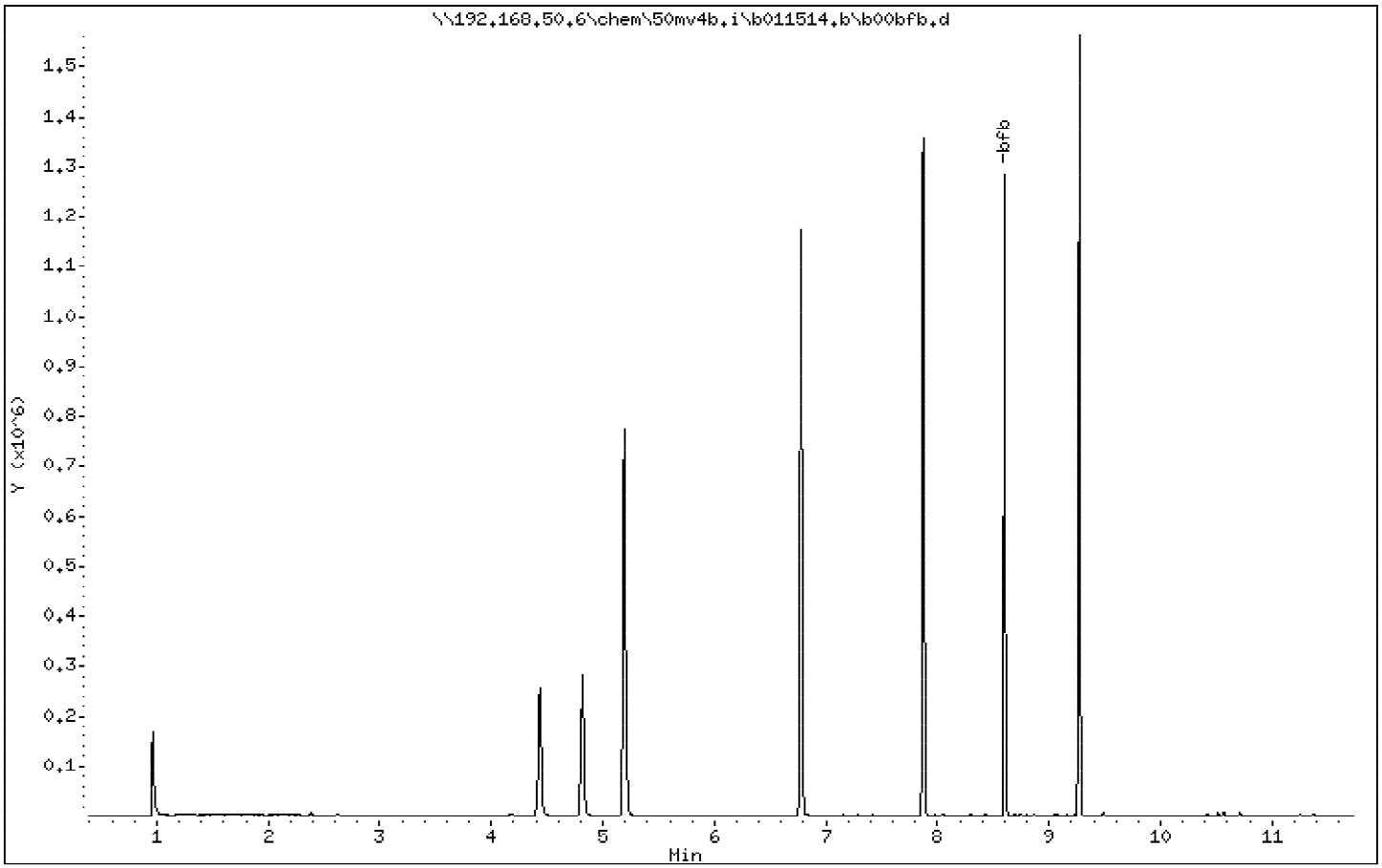
Date : 15-JAN-2014 11:16

Client ID: 8260-TUNE Instrument: 50mv4b.i

Sample Info: 8260-TUNE,60083:0

Volume Injected (uL): 1.0 Operator: rsw

Column phase: Column diameter: 2.00



Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b00bfb.d Page 2

Date : 15-JAN-2014 11:16

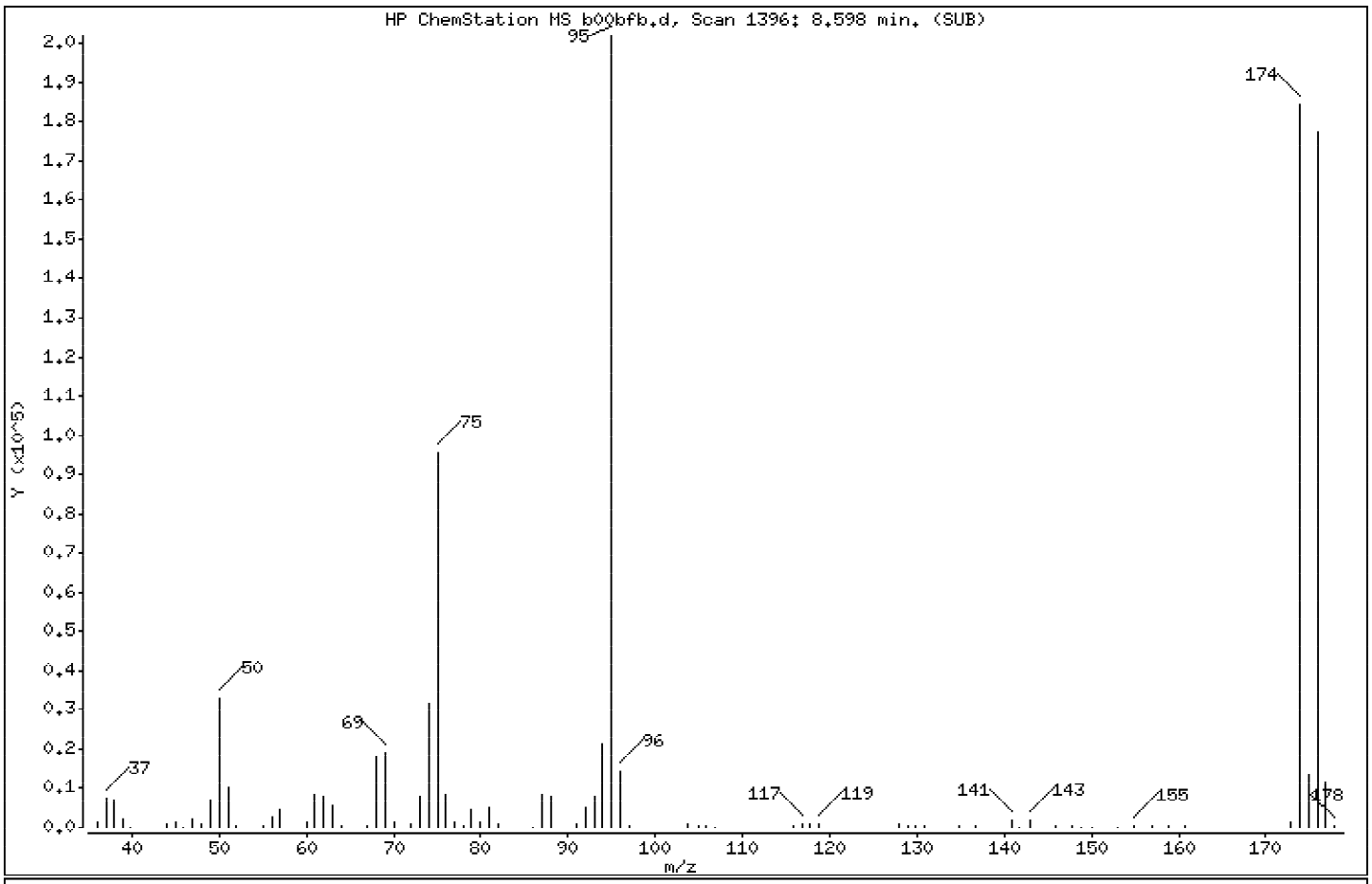
Client ID: 8260-TUNE Instrument: 50mv4b.i

Sample Info: 8260-TUNE,60083:0

Volume Injected (uL): 1.0 Operator: rsw

Column phase: Column diameter: 2.00

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	16.29
75	30.00 - 60.00% of mass 95	47.33
96	5.00 - 9.00% of mass 95	7.20
173	Less than 2.00% of mass 174	0.59 (0.64)
174	50.00 - 100.00% of mass 95	91.29
175	5.00 - 9.00% of mass 174	6.77 (7.42)
176	95.00 - 101.00% of mass 174	87.74 (96.11)
177	5.00 - 9.00% of mass 176	5.72 (6.52)

Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b00bfb.d Page 3

Date : 15-JAN-2014 11:16

Client ID: 8260-TUNE Instrument: 50mv4b.i

Sample Info: 8260-TUNE,60083:0

Volume Injected (uL): 1.0 Operator: rsw

Column phase: Column diameter: 2.00

Data File: b00bfb.d
Spectrum: HP ChemStation MS b00bfb.d, Scan 1396: 8.598 min. (SUB)
Location of Maximum: 95.00
Number of points: 79

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1195	63.00	5748	90.90	703	136.80	259
37.10	7456	64.00	596	92.00	4948	140.90	1753
38.00	7192	67.00	644	93.00	7924	141.80	177
39.00	2520	68.00	18104	94.00	21488	142.90	1823
39.90	104	69.00	18832	95.00	201984	145.90	245
44.00	1034	70.00	1472	96.00	14544	147.80	336
45.00	1343	72.00	931	97.00	524	148.90	209
45.90	168	73.00	7994	103.80	827	150.00	207
47.00	2131	74.00	31472	104.90	250	152.90	159
47.90	903	75.00	95608	105.90	655	154.90	488
49.00	6955	76.00	8569	106.80	202	156.90	351
50.00	32904	76.90	1189	115.90	499	158.80	245
51.00	10328	78.00	614	116.90	1107	160.80	315
52.00	598	78.90	4588	117.80	713	172.90	1186
55.00	408	79.90	1419	118.80	858	173.90	184384
56.00	2625	80.90	4977	127.90	736	175.00	13681
57.00	4530	81.90	980	128.90	298	175.90	177216
60.00	1316	86.00	172	129.80	539	176.90	11562
61.00	8221	87.00	8444	130.90	333	177.90	399
62.00	7923	88.00	7897	134.90	361		

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

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Lab Name: Pace Analytical - Indiana Contract: E027037 / Allison Trans

Date Received: Matrix: Water SDG No.: 5092300

Date Extracted: 01/15/2014 13:30 Lab Sample ID: 1039437

Date Analyzed: 01/15/2014 13:30 Lab File ID: B011514.B\B04MBX.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV4B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	ND	U
71-43-2	Benzene	ND	U
75-27-4	Bromodichloromethane	ND	U
75-25-2	Bromoform	ND	U
74-83-9	Bromomethane	ND	U
78-93-3	2-Butanone (MEK)	ND	U
75-15-0	Carbon disulfide	ND	U
56-23-5	Carbon tetrachloride	ND	U
108-90-7	Chlorobenzene	ND	U
75-00-3	Chloroethane	ND	U
67-66-3	Chloroform	ND	U
74-87-3	Chloromethane	ND	U
110-82-7	Cyclohexane	ND	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	U
124-48-1	Dibromochloromethane	ND	U
106-93-4	1,2-Dibromoethane (EDB)	ND	U
95-50-1	1,2-Dichlorobenzene	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
75-71-8	Dichlorodifluoromethane	ND	U
75-34-3	1,1-Dichloroethane	ND	U
107-06-2	1,2-Dichloroethane	ND	U
75-35-4	1,1-Dichloroethene	ND	U
156-59-2	cis-1,2-Dichloroethene	ND	U
156-60-5	trans-1,2-Dichloroethene	ND	U
78-87-5	1,2-Dichloropropane	ND	U
10061-01-5	cis-1,3-Dichloropropene	ND	U
10061-02-6	trans-1,3-Dichloropropene	ND	U
100-41-4	Ethylbenzene	ND	U
591-78-6	2-Hexanone	ND	U
98-82-8	Isopropylbenzene (Cumene)	ND	U
79-20-9	Methyl acetate	ND	U
108-87-2	Methylcyclohexane	ND	U
75-09-2	Methylene Chloride	ND	U
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	U
1634-04-4	Methyl-tert-butyl ether	ND	U
100-42-5	Styrene	ND	U

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

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Lab Name: Pace Analytical - Indiana Contract: E027037 / Allison Trans

Date Received: Matrix: Water SDG No.: 5092300

Date Extracted: 01/15/2014 13:30 Lab Sample ID: 1039437

Date Analyzed: 01/15/2014 13:30 Lab File ID: B011514.B\B04MBX.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV4B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	ND	U
127-18-4	Tetrachloroethene	ND	U
108-88-3	Toluene	ND	U
120-82-1	1,2,4-Trichlorobenzene	ND	U
71-55-6	1,1,1-Trichloroethane	ND	U
79-00-5	1,1,2-Trichloroethane	ND	U
79-01-6	Trichloroethene	ND	U
75-69-4	Trichlorofluoromethane	ND	U
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U
75-01-4	Vinyl chloride	ND	U
1330-20-7	Xylene (Total)	ND	U

Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b04mbx.d Page 1
Report Date: 16-Jan-2014 18:13

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv4b.i\b011514.b\b04mbx.d
Lab Smp Id: 1039437 Client Smp ID: 1039437
Inj Date : 15-JAN-2014 13:30
Operator : rsw Inst ID: 50mv4b.i
Smp Info : 1039437
Misc Info : 61069
Comment :
Method : \\192.168.50.6\chem\50mv4b.i\b011514.b\-b8260_a_b.m
Meth Date : 16-Jan-2014 11:48 rwrede Quant Type: ISTD
Cal Date : 10-JAN-2014 20:36 Cal File: b09.d
Als bottle: 10 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
$	35 Dibromofluoromethane (S)	113	4.433	4.433	(0.854)	149633	47.5117	47.5
*	44 Fluorobenzene	96	5.192	5.192	(1.000)	612745	50.0000	
$	55 Toluene-d8	98	6.774	6.774	(0.860)	611005	51.0585	51.0
*	65 Chlorobenzene-d5	117	7.874	7.874	(1.000)	486681	50.0000	
$	74 4-Bromofluorobenzene	95	8.598	8.603	(1.092)	220647	47.0532	47.0
	81 1,3,5-Trimethylbenzene	105	8.856	8.856	(0.956)	1886	0.21874	0.219
	84 1,2,4-Trimethylbenzene	105	9.068	9.074	(0.978)	2055	0.23341	0.233
	86 1,3-Dichlorobenzene	146	9.227	9.233	(0.996)	1352	0.26549	0.265(Q)
*	88 1,4-Dichlorobenzene-d4	152	9.268	9.274	(1.000)	260214	50.0000	
	89 1,4-Dichlorobenzene	146	9.280	9.286	(1.001)	1656	0.31466	0.315(Q)
	91 1,2-Dichlorobenzene	146	9.492	9.497	(1.024)	1535	0.31767	0.318(Q)
	95 Naphthalene	128	10.556	10.574	(1.139)	2783	3.42044	3.42

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Reference 23

Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b04mbx.d

Page 2

Date : 15-JAN-2014 13:30

Client ID: 1039437

Instrument: 50mv4b.i

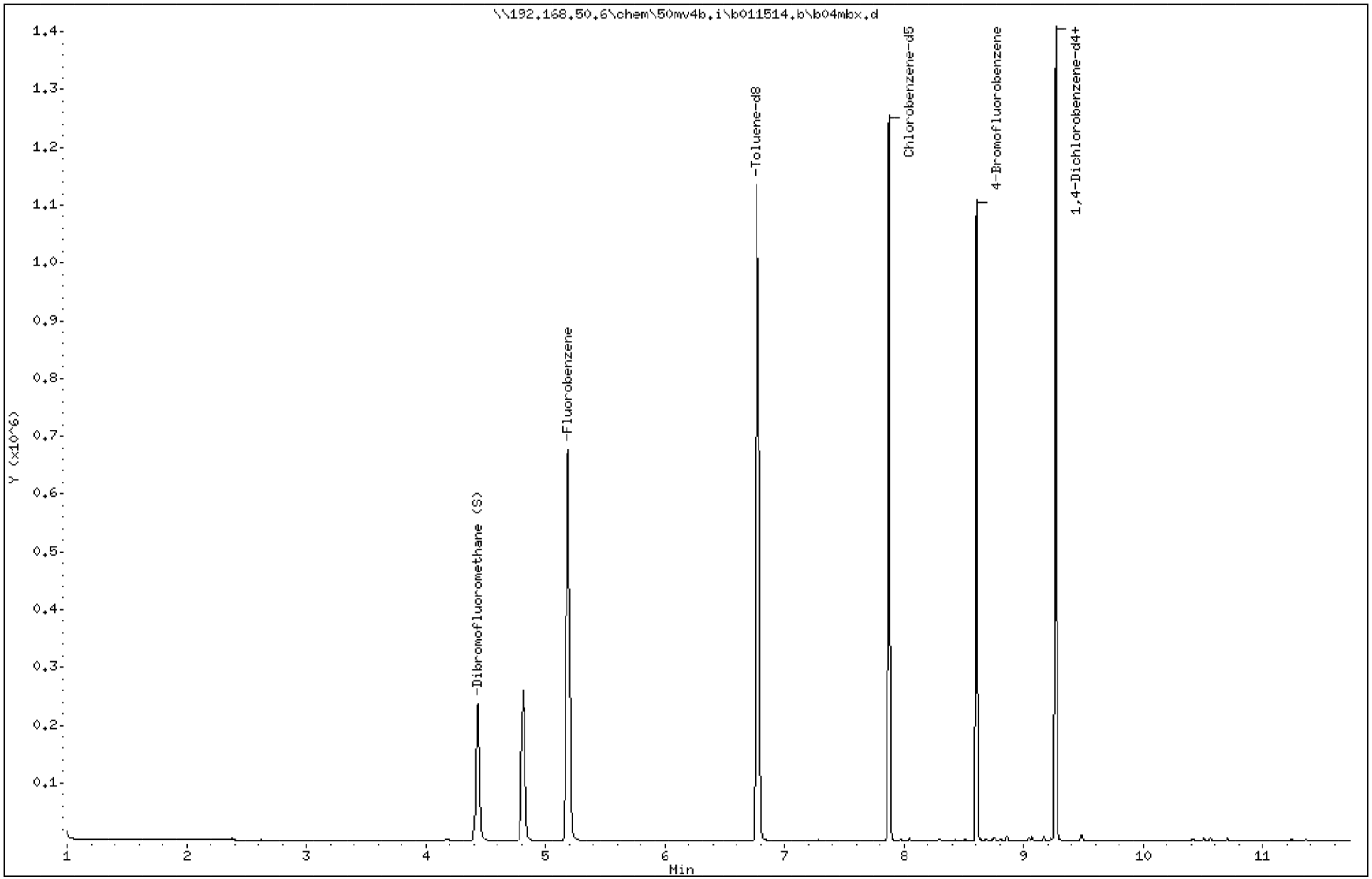
Sample Info: 1039437

Purge Volume: 5.0

Operator: rsw

Column phase: DB-624

Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b04mbx.d Page 3

Date : 15-JAN-2014 13:30

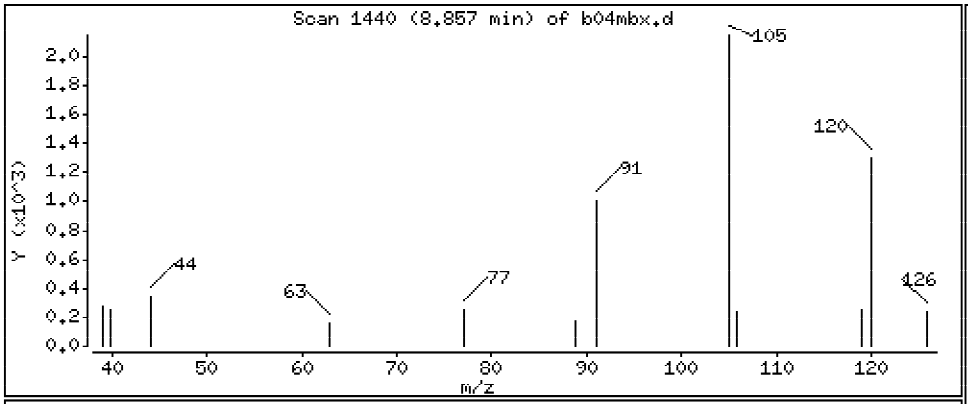
Client ID: 1039437 Instrument: 50mv4b.i

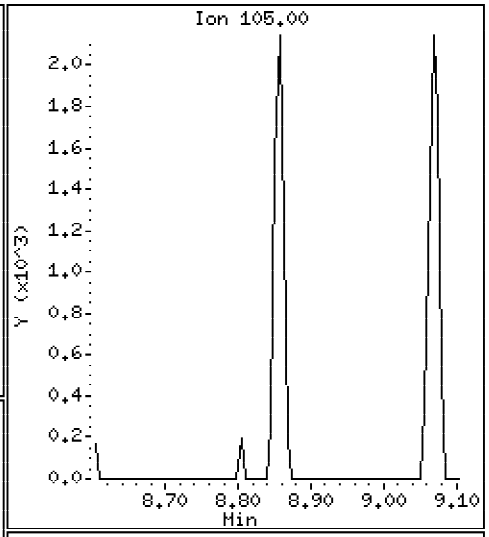
Sample Info: 1039437

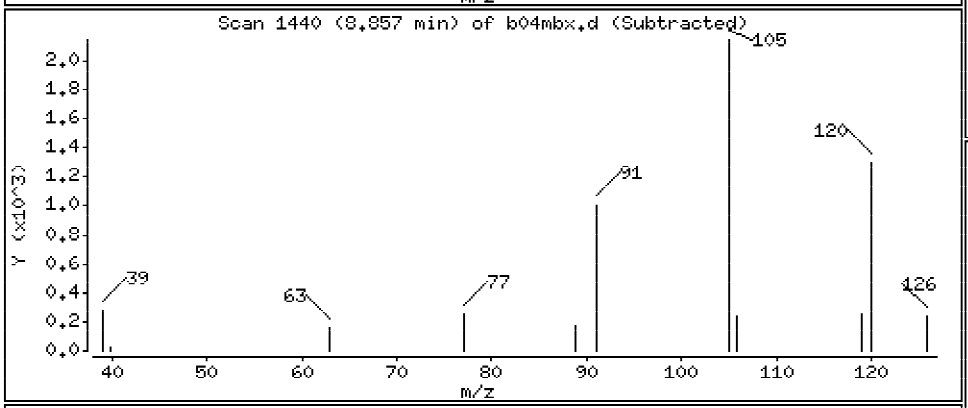
Purge Volume: 5.0 Operator: rsw

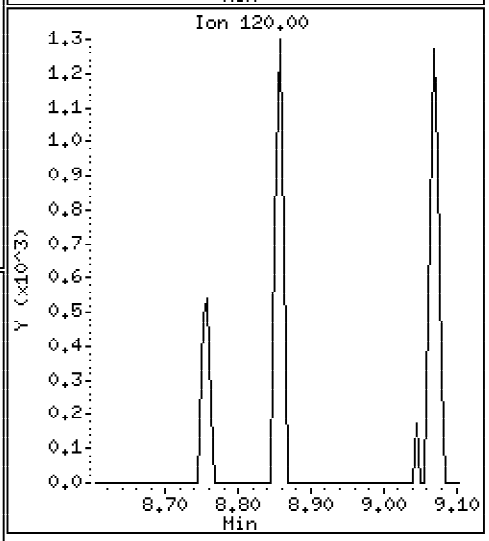
Column phase: DB-624 Column diameter: 0.18

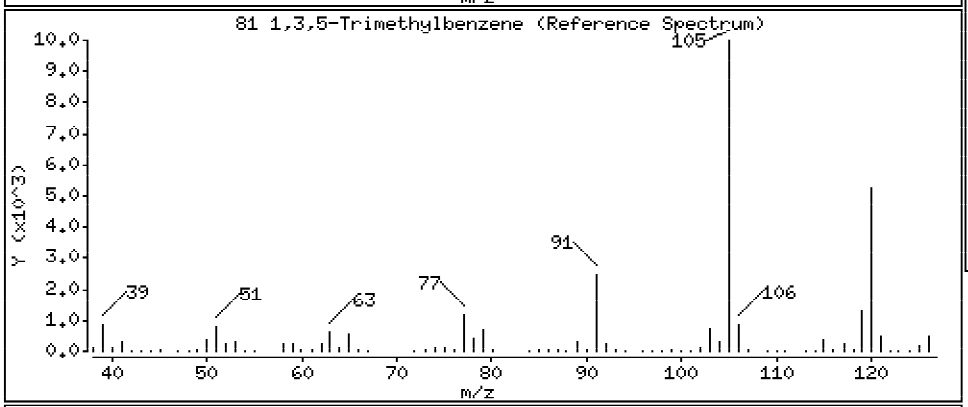
81 1,3,5-Trimethylbenzene Concentration: 0.219 ppb

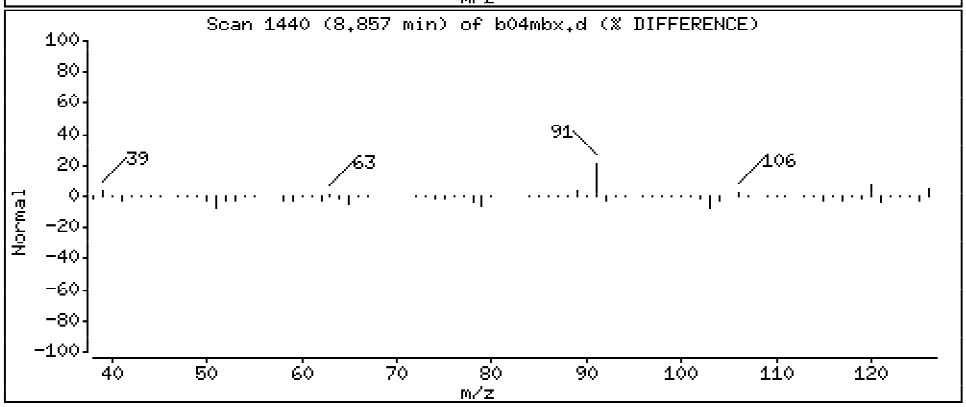












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b04mbx.d Page 4

Date : 15-JAN-2014 13:30

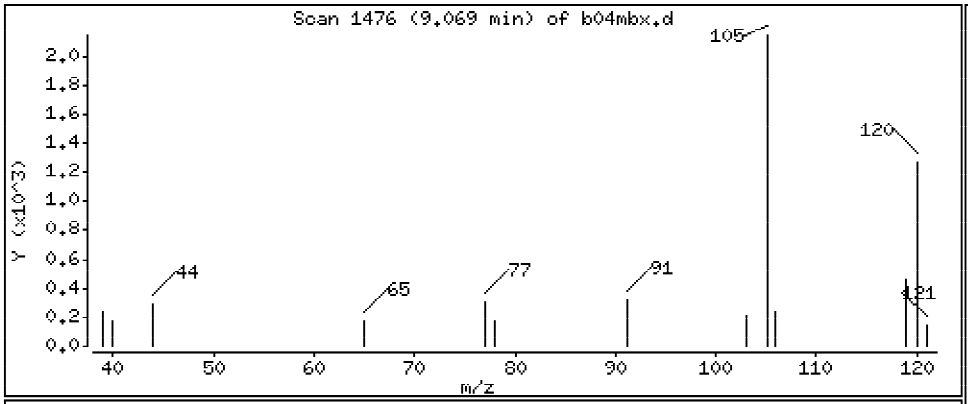
Client ID: 1039437 Instrument: 50mv4b.i

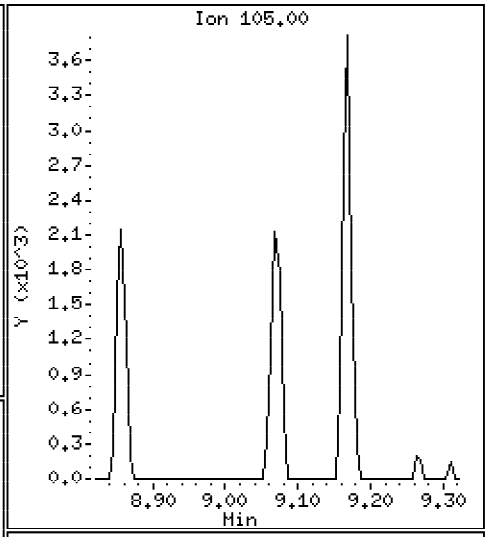
Sample Info: 1039437

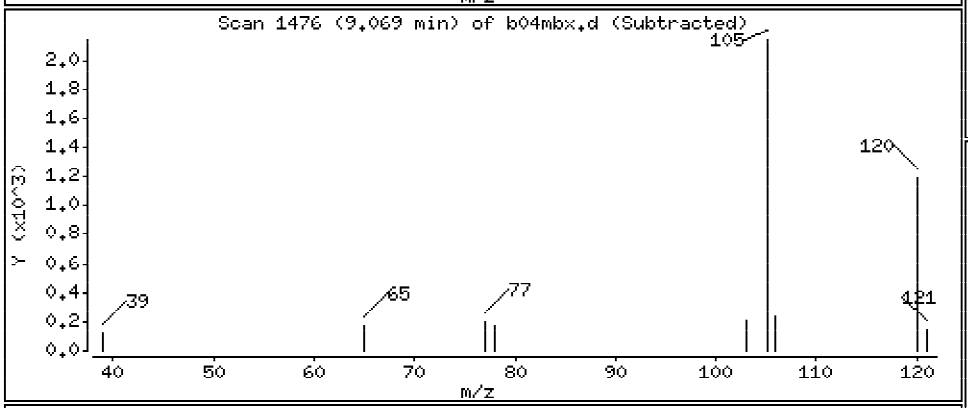
Purge Volume: 5.0 Operator: rsw

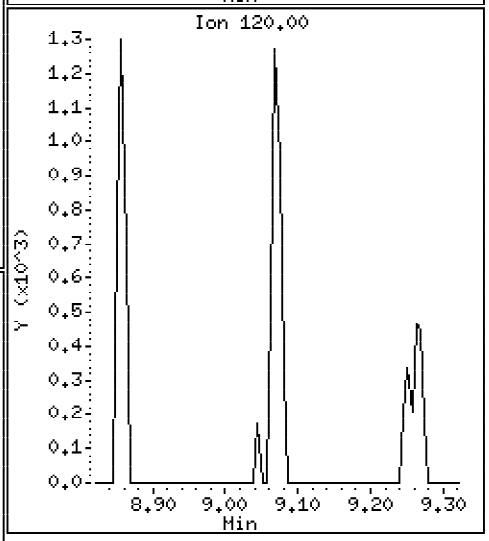
Column phase: DB-624 Column diameter: 0.18

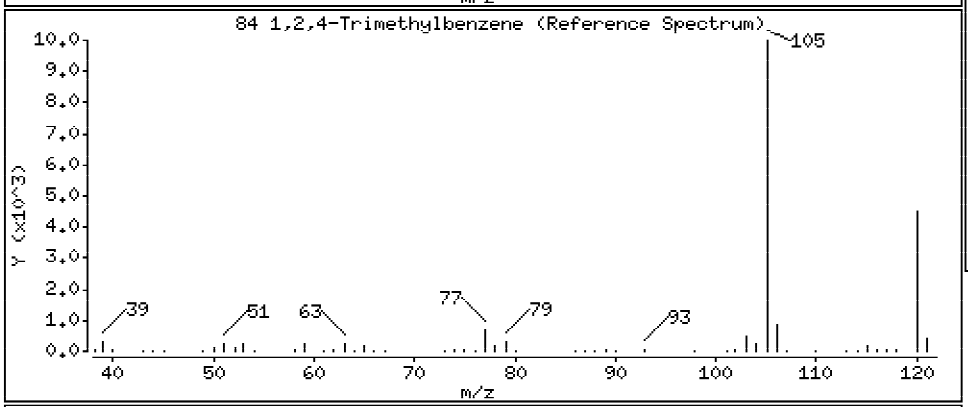
84 1,2,4-Trimethylbenzene Concentration: 0.233 ppb

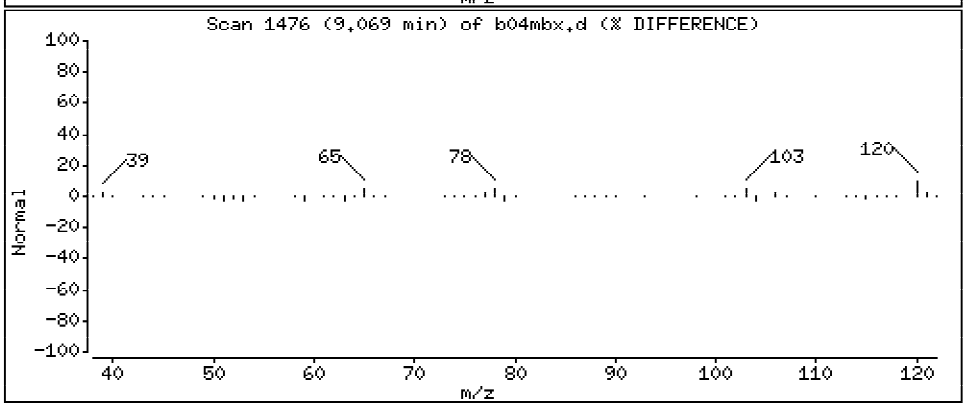












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b04mbx.d Page 5

Date : 15-JAN-2014 13:30

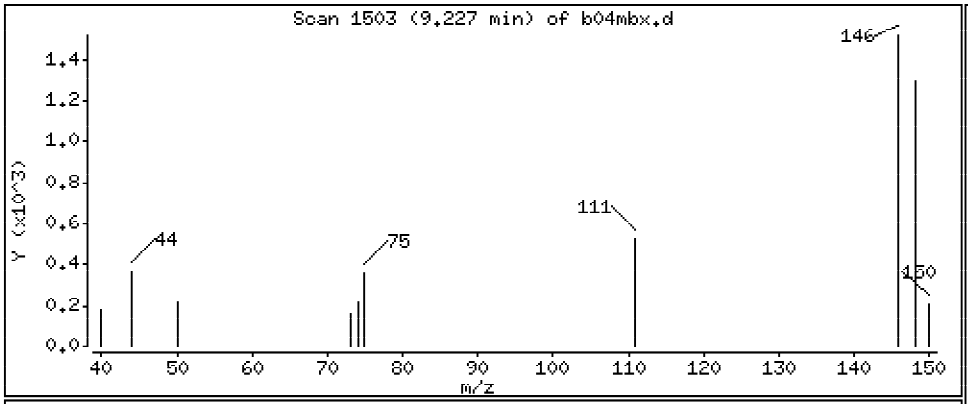
Client ID: 1039437 Instrument: 50mv4b.i

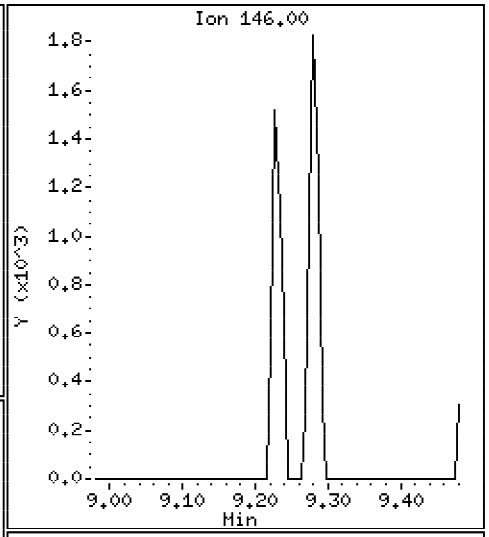
Sample Info: 1039437

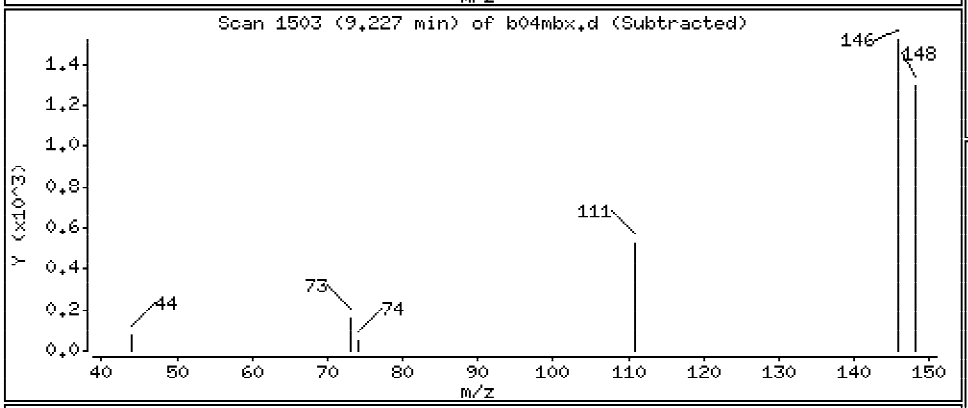
Purge Volume: 5.0 Operator: rsw

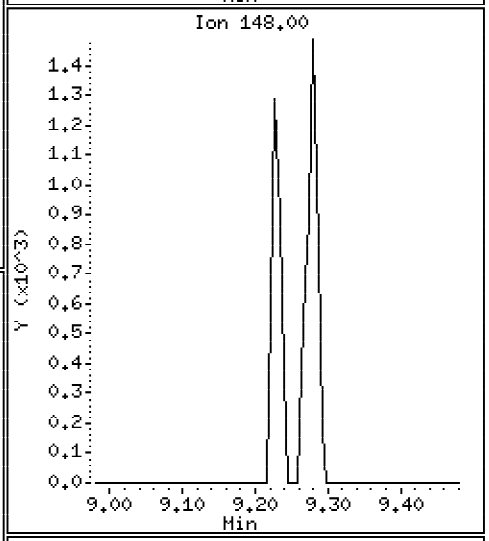
Column phase: DB-624 Column diameter: 0.18

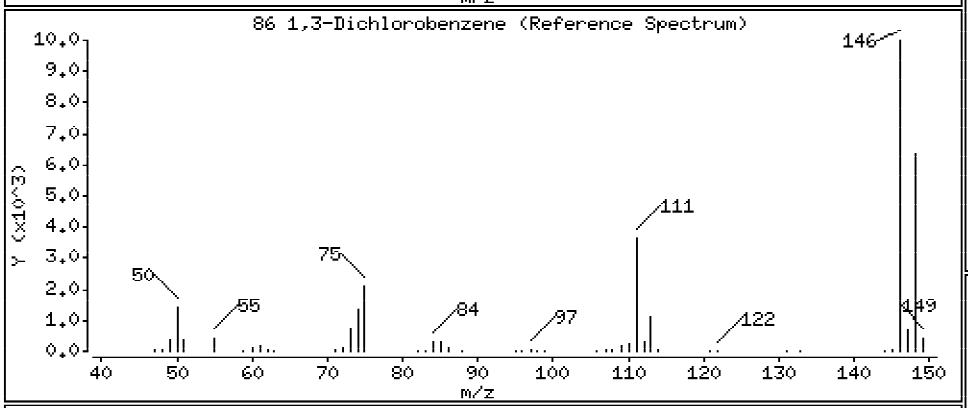
86 1,3-Dichlorobenzene Concentration: 0.265 ppb

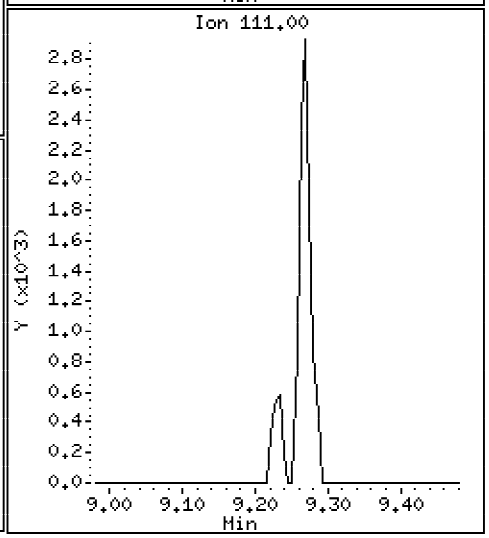


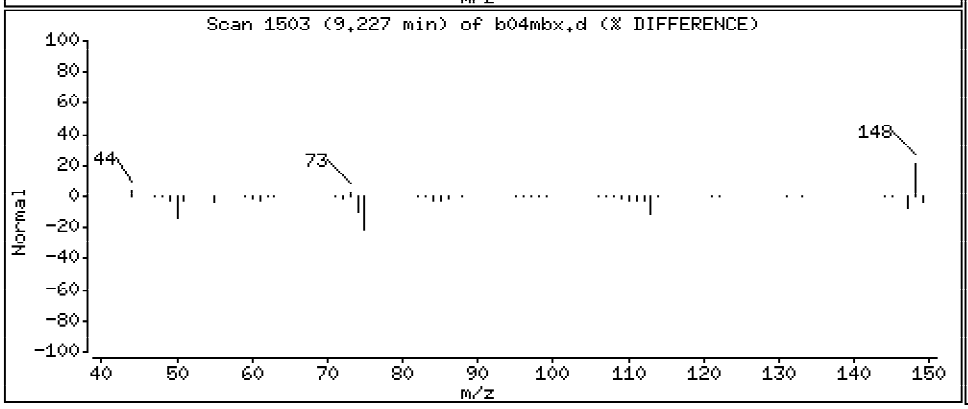












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b04mbx.d

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Date : 15-JAN-2014 13:30

Client ID: 1039437

Instrument: 50mv4b.i

Sample Info: 1039437

Purge Volume: 5.0

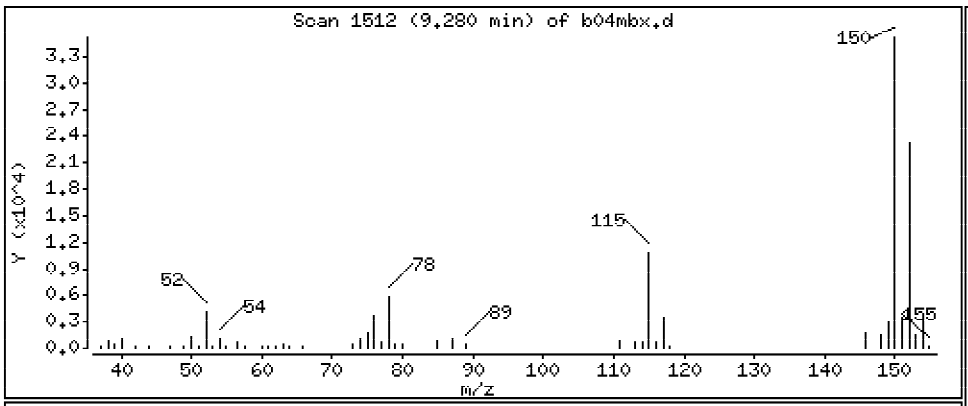
Operator: rsw

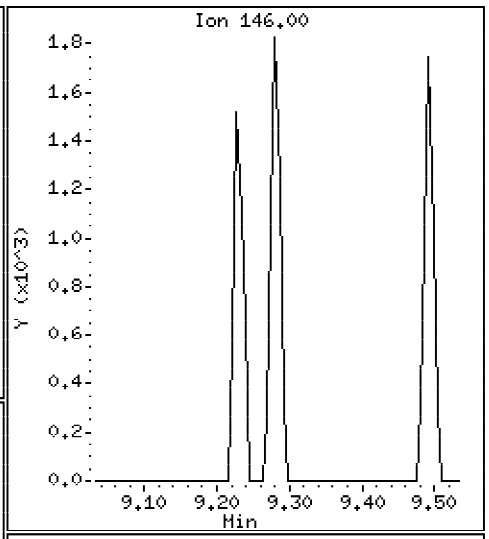
Column phase: DB-624

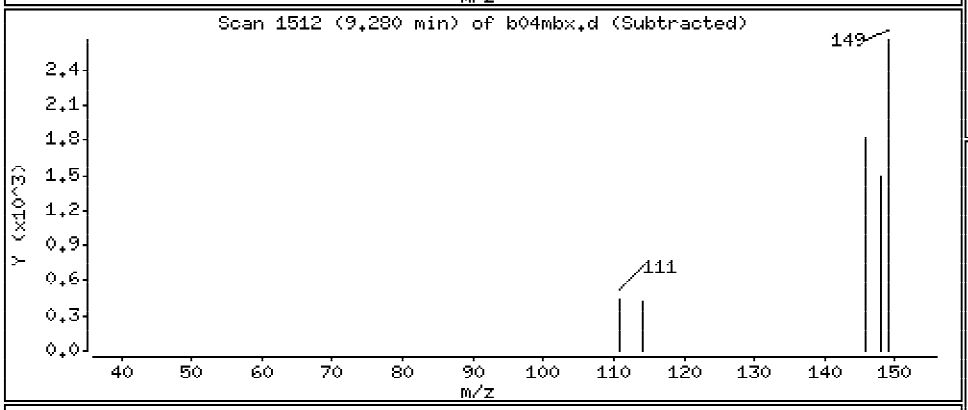
Column diameter: 0.18

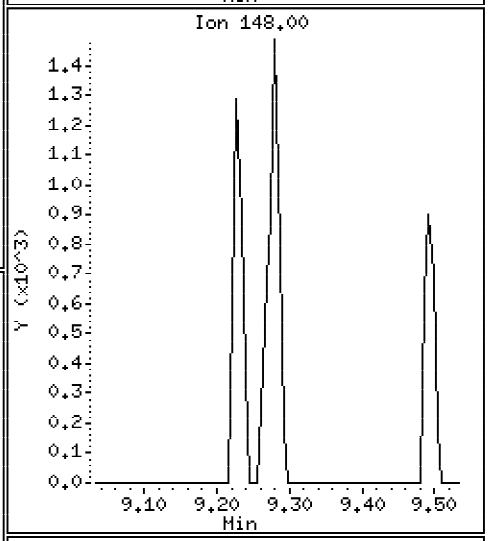
89 1,4-Dichlorobenzene

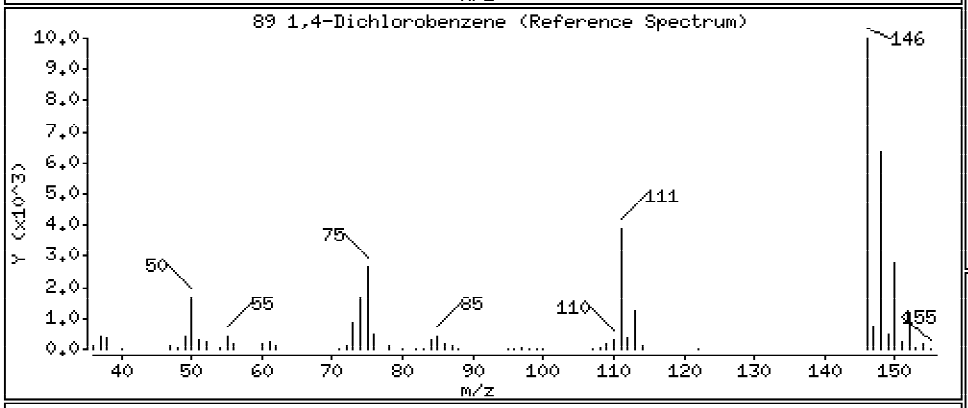
Concentration: 0.315 ppb

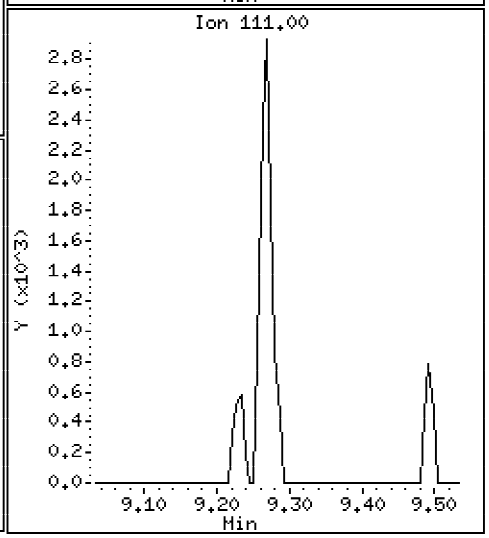


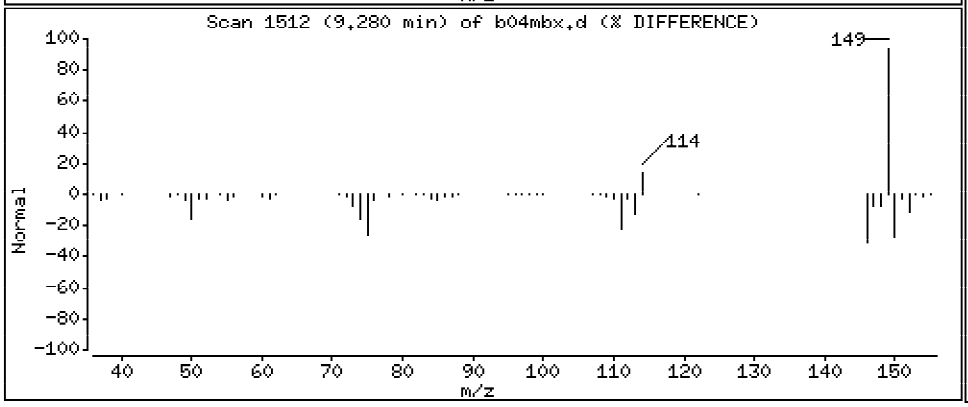












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b04mbx.d Page 7

Date : 15-JAN-2014 13:30

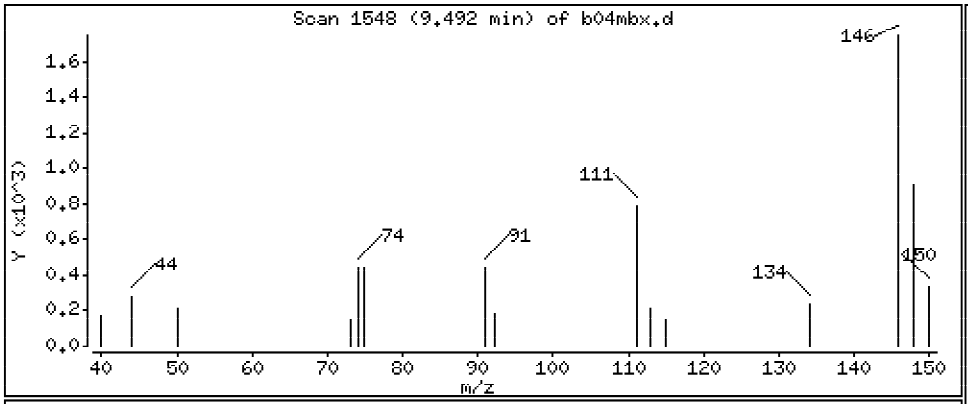
Client ID: 1039437 Instrument: 50mv4b.i

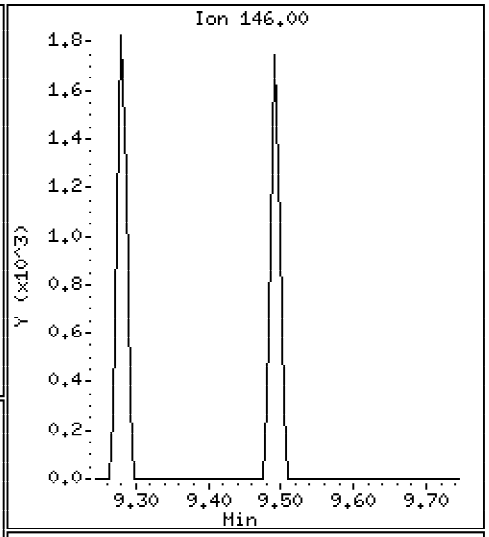
Sample Info: 1039437

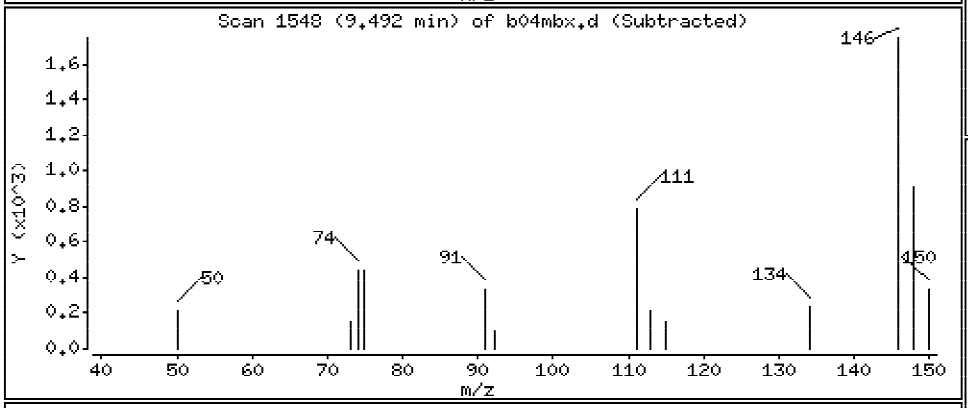
Purge Volume: 5.0 Operator: rsw

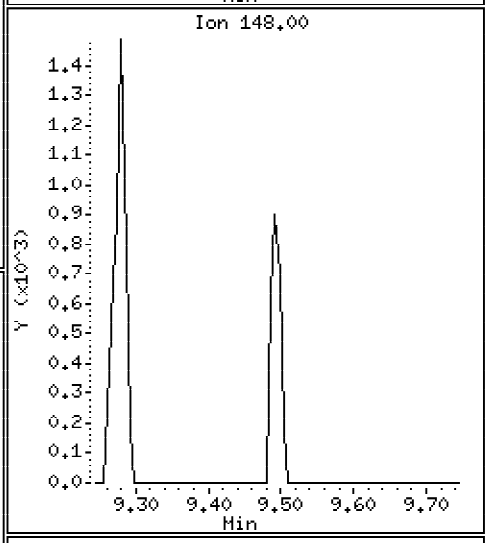
Column phase: DB-624 Column diameter: 0.18

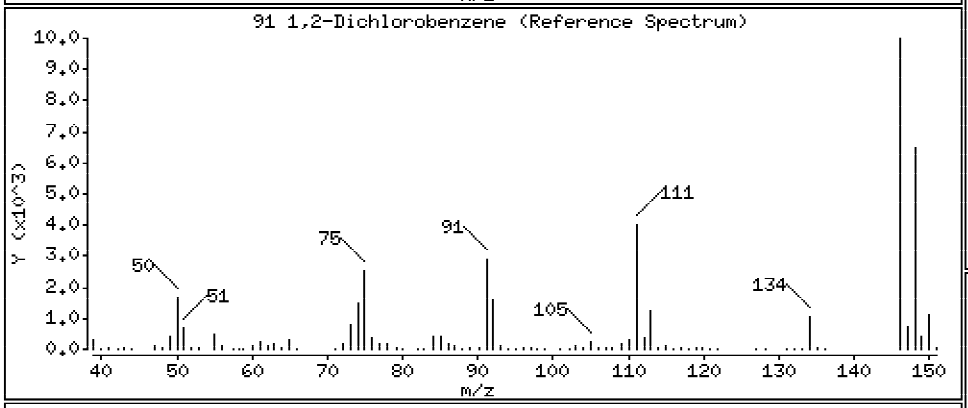
91 1,2-Dichlorobenzene Concentration: 0.318 ppb

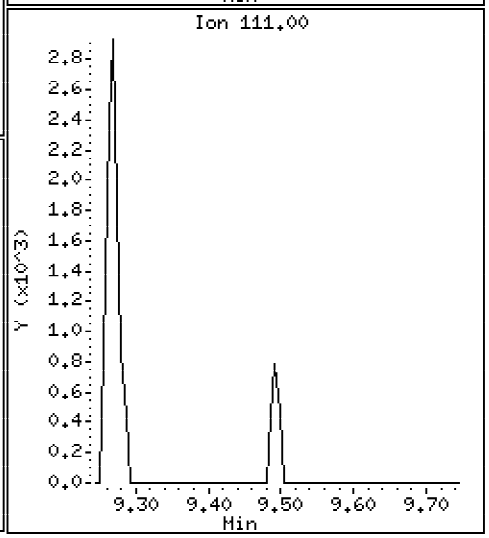


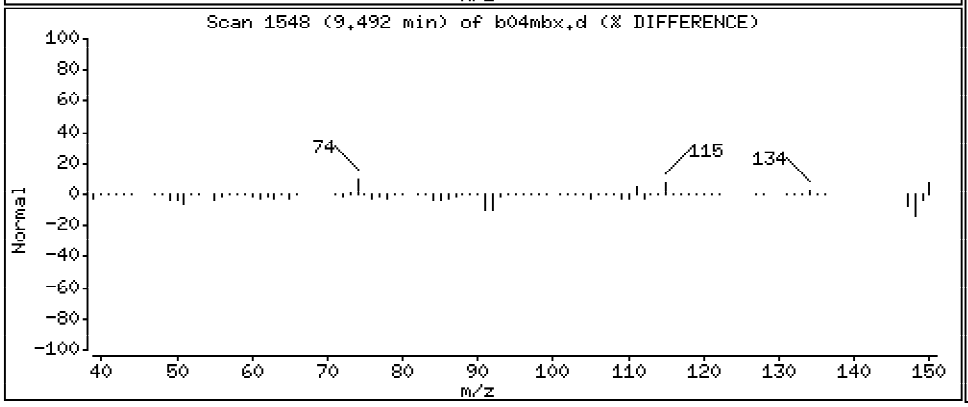












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b04mbx.d Page 8

Date : 15-JAN-2014 13:30

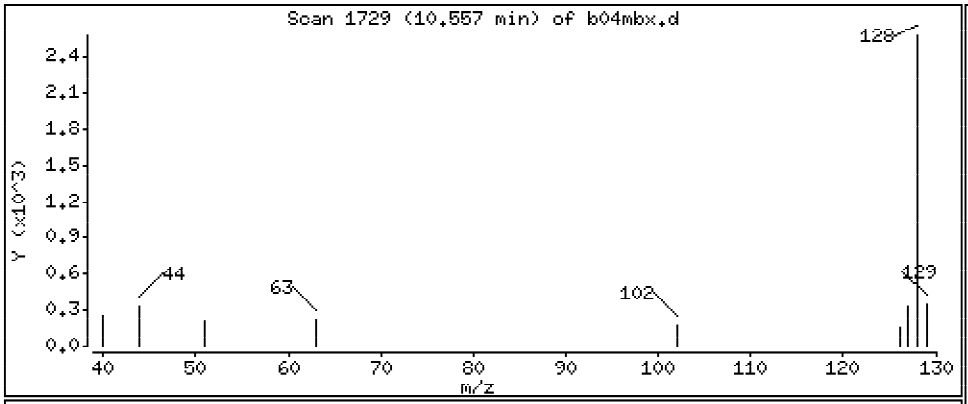
Client ID: 1039437 Instrument: 50mv4b.i

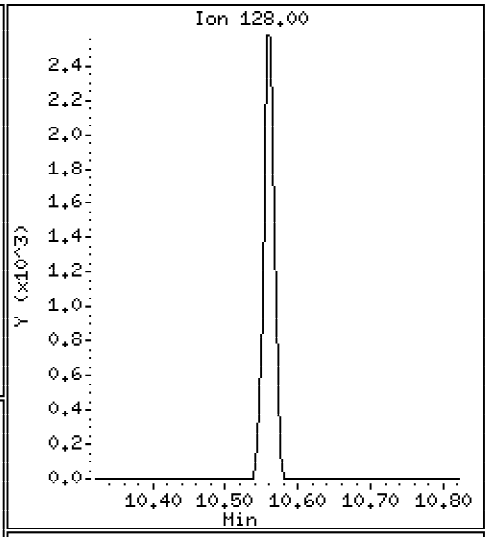
Sample Info: 1039437

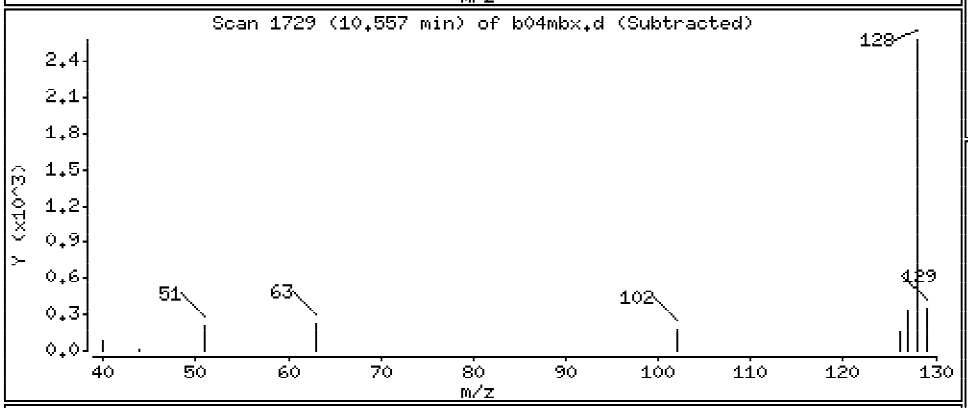
Purge Volume: 5.0 Operator: rsw

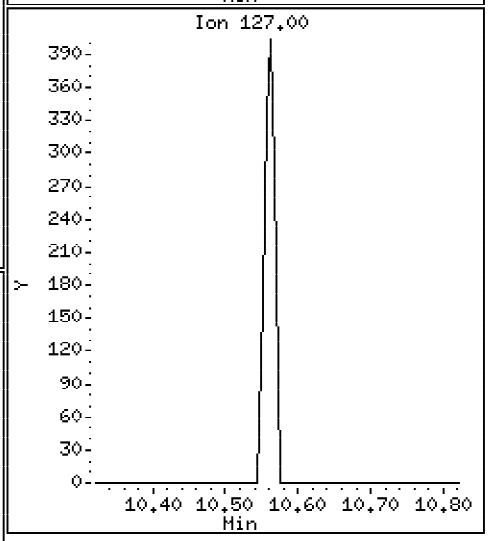
Column phase: DB-624 Column diameter: 0.18

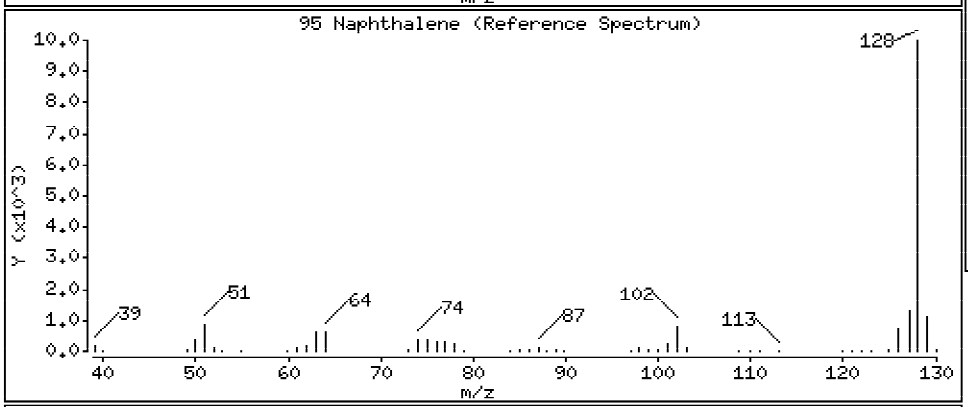
95 Naphthalene Concentration: 3.42 ppb

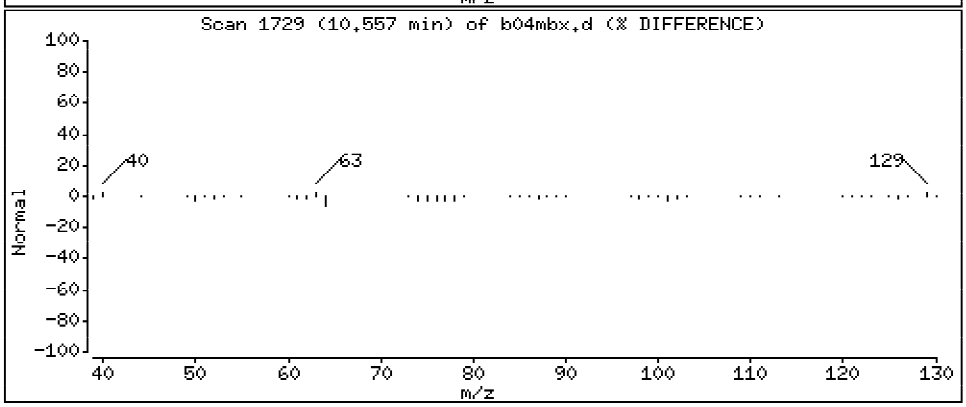












MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

LCS

Lab Name: Pace Analytical - Indiana Contract: E027037 / Allison Trans

Date Received: Matrix: Water SDG No.: 5092300

Date Extracted: 01/15/2014 12:23 Lab Sample ID: 1039438

Date Analyzed: 01/15/2014 12:23 Lab File ID: B011514.B\B02LCSX.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV4B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	216	
71-43-2	Benzene	44.1	
75-27-4	Bromodichloromethane	48.5	
75-25-2	Bromoform	40.9	
74-83-9	Bromomethane	25.8	
78-93-3	2-Butanone (MEK)	229	
75-15-0	Carbon disulfide	84.9	
56-23-5	Carbon tetrachloride	50.3	
108-90-7	Chlorobenzene	48.1	
75-00-3	Chloroethane	33.9	
67-66-3	Chloroform	47.1	
74-87-3	Chloromethane	37.8	
110-82-7	Cyclohexane	53.9	J
96-12-8	1,2-Dibromo-3-chloropropane	41.8	
124-48-1	Dibromochloromethane	42.5	
106-93-4	1,2-Dibromoethane (EDB)	51.3	
95-50-1	1,2-Dichlorobenzene	49.6	
541-73-1	1,3-Dichlorobenzene	49.5	
106-46-7	1,4-Dichlorobenzene	48.8	
75-71-8	Dichlorodifluoromethane	34.3	
75-34-3	1,1-Dichloroethane	46.4	
107-06-2	1,2-Dichloroethane	46.3	
75-35-4	1,1-Dichloroethene	40.0	
156-59-2	cis-1,2-Dichloroethene	45.2	
156-60-5	trans-1,2-Dichloroethene	47.8	
78-87-5	1,2-Dichloropropane	45.3	
10061-01-5	cis-1,3-Dichloropropene	50.9	
10061-02-6	trans-1,3-Dichloropropene	52.6	
100-41-4	Ethylbenzene	49.3	
591-78-6	2-Hexanone	242	
98-82-8	Isopropylbenzene (Cumene)	51.2	
79-20-9	Methyl acetate	54.8	
108-87-2	Methylcyclohexane	51.1	
75-09-2	Methylene Chloride	57.9	
108-10-1	4-Methyl-2-pentanone (MIBK)	275	
1634-04-4	Methyl-tert-butyl ether	91.0	
100-42-5	Styrene	53.8	

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

LCS

Lab Name: Pace Analytical - Indiana Contract: E027037 / Allison Trans

Date Received: Matrix: Water SDG No.: 5092300

Date Extracted: 01/15/2014 12:23 Lab Sample ID: 1039438

Date Analyzed: 01/15/2014 12:23 Lab File ID: B011514.B\B02LCSX.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV4B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	46.7	
127-18-4	Tetrachloroethene	48.3	
108-88-3	Toluene	48.2	
120-82-1	1,2,4-Trichlorobenzene	44.4	
71-55-6	1,1,1-Trichloroethane	46.2	
79-00-5	1,1,2-Trichloroethane	48.5	
79-01-6	Trichloroethene	46.2	
75-69-4	Trichlorofluoromethane	41.4	
76-13-1	1,1,2-Trichlorotrifluoroethane	45.8	
75-01-4	Vinyl chloride	38.7	
1330-20-7	Xylene (Total)	152	

Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d Page 1
Report Date: 16-Jan-2014 18:12

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d
Lab Smp Id: 1039438 Client Smp ID: 1039438
Inj Date : 15-JAN-2014 12:23
Operator : rsw Inst ID: 50mv4b.i
Smp Info : 1039438,59952:5
Misc Info : 61069
Comment :
Method : \\192.168.50.6\chem\50mv4b.i\b011514.b\-b8260_a_b.m
Meth Date : 16-Jan-2014 11:48 rwrede Quant Type: ISTD
Cal Date : 10-JAN-2014 20:36 Cal File: b09.d
Als bottle: 6 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
1 Dichlorodifluoromethane	85	1.063	1.063	(0.205)	114254	34.2561	34.2
2 Chloromethane	50	1.163	1.169	(0.224)	112536	37.8386	37.8
3 Vinyl Chloride	62	1.227	1.227	(0.236)	113249	38.6889	38.7
4 Bromomethane	94	1.416	1.410	(0.273)	20498	25.8010	25.8
5 Chloroethane	64	1.480	1.474	(0.285)	47647	33.8631	33.9
6 Trichlorofluoromethane	101	1.639	1.639	(0.316)	152793	41.4428	41.4
7 1,2-dichlorotrifluoroethane	67	1.845	1.851	(0.355)	181417	79.1768	79.2(R)
8 Diethyl ether	74	1.839	1.845	(0.354)	52098	42.8302	42.8
9 Acrolein	56	1.933	1.939	(0.372)	209255	735.630	736
10 1,1,2trichlorotrifluoroethane	101	1.998	1.998	(0.385)	100073	45.7982	45.8
11 1,1-Dichloroethene	96	1.998	1.998	(0.385)	88495	39.9974	40.0
12 Acetone	43	2.051	2.057	(0.395)	98441	216.110	216
13 Iodomethane	142	2.104	2.110	(0.405)	173314	81.6014	81.6
14 Carbon Disulfide	76	2.151	2.151	(0.414)	487435	84.9360	84.9
15 Acetonitrile	39	2.280	2.280	(0.439)	143876	40.2884	40.3
16 allyl chloride	41	2.280	2.286	(0.439)	213489	86.2002	86.2
17 Methyl Acetate	43	2.316	2.316	(0.446)	73317	54.7917	54.8
18 Methylene Chloride	84	2.380	2.386	(0.459)	123462	57.8703	57.9
19 tert-Butyl Alcohol	59	2.533	2.539	(0.488)	18262	80.5359	80.5
20 Acrylonitrile	53	2.622	2.621	(0.505)	775034	996.064	996

21 Methyl-tert-butyl ether	73	2.645	2.651 (0.509)	620374	90.9849	91.0
22 1,2-Dichloroethene (trans)	96	2.627	2.627 (0.506)	124390	47.8456	47.8
23 n-Hexane	57	2.904	2.904 (0.559)	152034	46.5578	46.6

			QUANT SIG					CONCENTRATIONS ON-COLUMN	FINAL
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ppb)	(ppb)
	24	1,1-Dichloroethane	63	3.057	3.057	(0.589)	207375	46.4389	46.4
	25	Vinyl Acetate	43	3.151	3.151	(0.607)	845193	188.159	188
	26	chloroprene	53	3.157	3.157	(0.608)	170219	48.0087	48.0
	27	1,2-Dichloroethene (cis)	96	3.786	3.780	(0.729)	138071	45.2490	45.2
	28	2,2-Dichloropropane	77	3.768	3.768	(0.726)	162510	48.6118	48.6
	29	2-Butanone	43	3.851	3.851	(0.742)	231720	228.872	229
	30	Propionitrile	54	3.933	3.927	(0.758)	14352	42.1719	42.2
	31	Methacrylonitrile	41	4.121	4.121	(0.794)	272839	169.636	170
	32	Bromochloromethane	49	4.104	4.104	(0.790)	90039	45.4719	45.5
	33	Tetrahydrofuran	42	4.180	4.174	(0.805)	32793	14.0449	14.0
	34	Chloroform	83	4.233	4.233	(0.815)	215456	47.1368	47.1
$	35	Dibromofluoromethane (S)	113	4.433	4.433	(0.854)	158833	49.2783	49.3
	36	1,1,1-Trichloroethane	97	4.421	4.421	(0.852)	183000	46.2449	46.2
	37	Cyclohexane	56	4.474	4.468	(0.862)	107299	53.8884	53.9
	38	Carbon Tetrachloride	117	4.615	4.615	(0.889)	163408	50.3195	50.3
	39	1,1-Dichloropropene	75	4.627	4.627	(0.891)	169679	45.6681	45.7
	40	Benzene	78	4.863	4.862	(0.937)	404082	44.1209	44.1
	41	1,2-Dichloroethane	62	4.904	4.904	(0.944)	158671	46.2579	46.2
	42	2,2,4-Trimethylpentane	57	4.986	4.980	(0.960)	284125	45.3614	45.4
	43	Isobutyl alcohol	43	4.980	4.980	(0.959)	46288	44.6716	44.7
*	44	Fluorobenzene	96	5.192	5.192	(1.000)	627101	50.0000	
	45	Trichloroethene	95	5.580	5.580	(1.075)	131103	46.2024	46.2
	46	Methylcyclohexane	55	5.757	5.757	(1.109)	139998	51.1474	51.1
	47	1,2-Dichloropropane	63	5.810	5.809	(1.119)	118465	45.3219	45.3
	48	Dibromomethane	93	5.921	5.921	(1.140)	71931	45.4966	45.5
	49	Methyl methacrylate	69	5.986	5.986	(1.153)	82050	50.8973	50.9
	50	1,4-Dioxane	88	5.980	5.980	(1.152)	29478	980.255	980
	51	Bromodichloromethane	83	6.104	6.104	(1.176)	148110	48.5106	48.5
	52	2-Chloroethyl vinyl ether	63	6.427	6.427	(0.816)	76450	49.0911	49.1
	53	cis-1,3-Dichloropropene	75	6.539	6.539	(0.830)	181926	50.8636	50.9
	54	4-Methyl-2-Pentanone	43	6.709	6.709	(0.852)	487756	274.960	275
$	55	Toluene-d8	98	6.774	6.774	(0.860)	624135	50.9675	51.0
	56	Toluene	91	6.833	6.833	(0.868)	549423	48.1626	48.2
	57	trans-1,3-Dichloropropene	75	7.057	7.056	(0.896)	154062	52.6146	52.6
	58	Ethyl Methacrylate	69	7.162	7.162	(0.910)	622406	216.568	216
	59	1,1,2-Trichloroethane	83	7.198	7.198	(0.914)	90414	48.4784	48.5
	60	Tetrachloroethene	166	7.286	7.286	(0.925)	163990	48.2536	48.2
	61	1,3-Dichloropropane	76	7.321	7.321	(0.930)	177746	46.7230	46.7
	62	2-Hexanone	43	7.409	7.409	(0.941)	332328	241.818	242
	63	Dibromochloromethane	129	7.486	7.486	(0.951)	112972	42.5061	42.5
	64	1,2-Dibromoethane	107	7.551	7.551	(0.959)	118967	51.3196	51.3
*	65	Chlorobenzene-d5	117	7.874	7.874	(1.000)	498027	50.0000	
	66	Chlorobenzene	112	7.892	7.892	(1.002)	378732	48.0966	48.1
	67	1,1,1,2-Tetrachloroethane	131	7.951	7.951	(1.010)	129278	54.2479	54.2
	68	Ethylbenzene	106	7.968	7.968	(1.012)	203909	49.2704	49.3
	69	m&p-Xylene	106	8.045	8.045	(1.022)	492582	100.847	101
	70	o-Xylene	106	8.286	8.292	(1.052)	241700	50.9372	50.9
	71	Styrene	104	8.298	8.303	(1.054)	408419	53.7763	53.8
	72	Bromoform	173	8.409	8.409	(0.907)	76562	40.9129	40.9
	73	Isopropylbenzene	105	8.509	8.515	(1.081)	595625	51.1727	51.2
$	74	4-Bromofluorobenzene	95	8.598	8.603	(1.092)	228788	47.6778	47.7

75	Bromobenzene	77	8.686	8.686 (1.103)	204423	46.1287	46.1
76	1,1,2,2-Tetrachloroethane	83	8.692	8.698 (0.938)	136104	46.7240	46.7
77	1,2,3-Trichloropropane	110	8.715	8.721 (0.940)	42807	46.2607	46.3(Q)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
78	trans-1,4-Dichloro-2-butene	53	8.727	8.727	(1.108)	128610	241.947	242(Q)
79	n-Propylbenzene	91	8.751	8.756	(0.944)	651886	50.8080	50.8
80	2-Chlorotoluene	91	8.798	8.803	(0.949)	380544	47.8846	47.9
81	1,3,5-Trimethylbenzene	105	8.856	8.856	(0.956)	464708	50.5034	50.5
82	4-Chlorotoluene	126	8.862	8.868	(0.956)	152079	52.0903	52.1
83	tert-Butylbenzene	119	9.039	9.045	(0.975)	404227	41.0855	41.1
84	1,2,4-Trimethylbenzene	105	9.068	9.074	(0.978)	462069	49.1787	49.2
85	sec-Butylbenzene	105	9.168	9.174	(0.989)	534774	50.2995	50.3
86	1,3-Dichlorobenzene	146	9.227	9.233	(0.996)	269147	49.5247	49.5
87	p-Isopropyltoluene	119	9.250	9.256	(0.998)	466867	51.9820	52.0
* 88	1,4-Dichlorobenzene-d4	152	9.268	9.274	(1.000)	277699	50.0000	
89	1,4-Dichlorobenzene	146	9.280	9.286	(1.001)	274165	48.8153	48.8
90	n-Butylbenzene	91	9.480	9.486	(1.023)	368387	53.0788	53.1
91	1,2-Dichlorobenzene	146	9.492	9.497	(1.024)	255777	49.6004	49.6
92	1,2-Dibromo-3-chloropropane	155	9.933	9.944	(1.072)	22155	41.7683	41.8
93	1,2,4-Trichlorobenzene	180	10.409	10.421	(1.123)	145203	44.4319	44.4
94	Hexachlorobutadiene	225	10.509	10.521	(1.134)	77361	52.8986	52.9
95	Naphthalene	128	10.556	10.574	(1.139)	365131	45.9663	46.0
96	1,2,3-Trichlorobenzene	180	10.697	10.715	(1.154)	135031	45.3004	45.3
97	2-Methylnaphthalene	142	11.239	11.256	(1.213)	114706	44.1623	44.2
149	1-Methylnaphthalene	142	11.356	11.374	(2.187)	114395	38.2097	38.2

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d

Page 4

Date : 15-JAN-2014 12:23

Client ID: 1039438

Instrument: 50mv4b.i

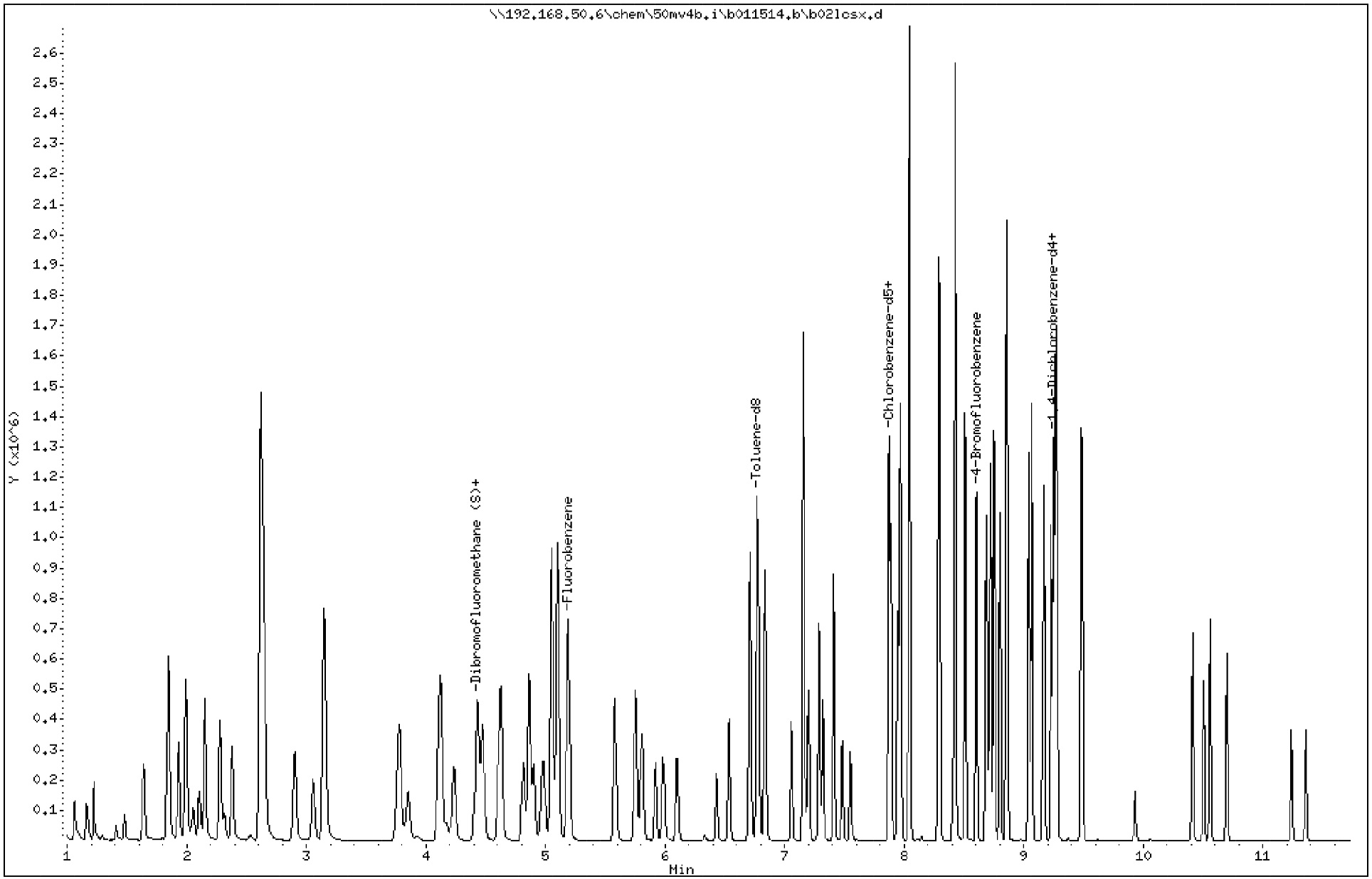
Sample Info: 1039438,59952:5

Purge Volume: 5.0

Operator: rsw

Column phase: DB-624

Column diameter: 0.18



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Date : 15-JAN-2014 12:23

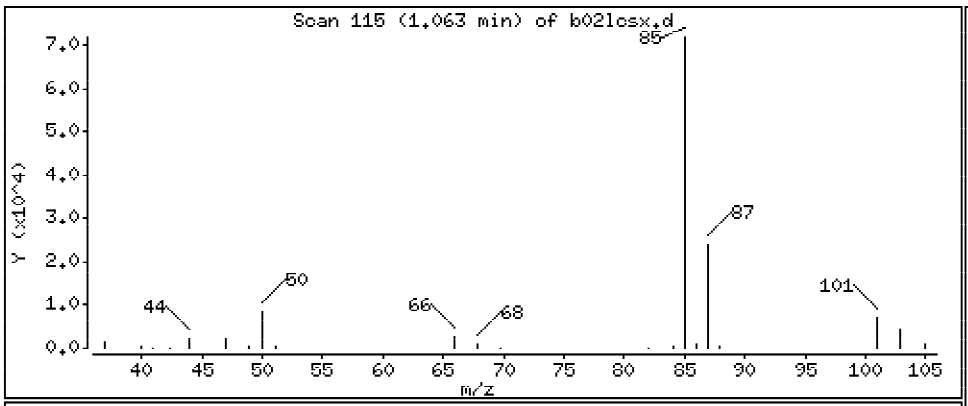
Client ID: 1039438 Instrument: 50mv4b.i

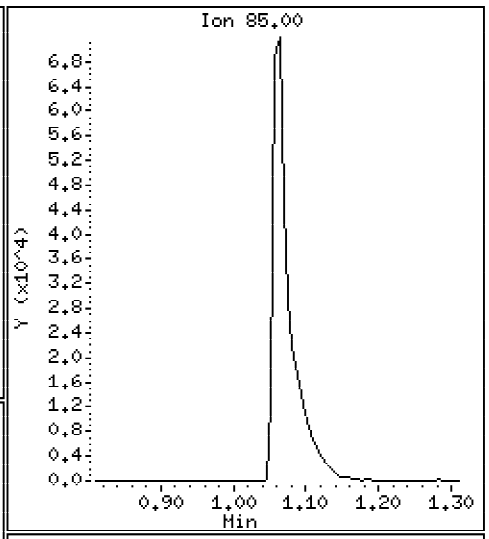
Sample Info: 1039438,59952:5

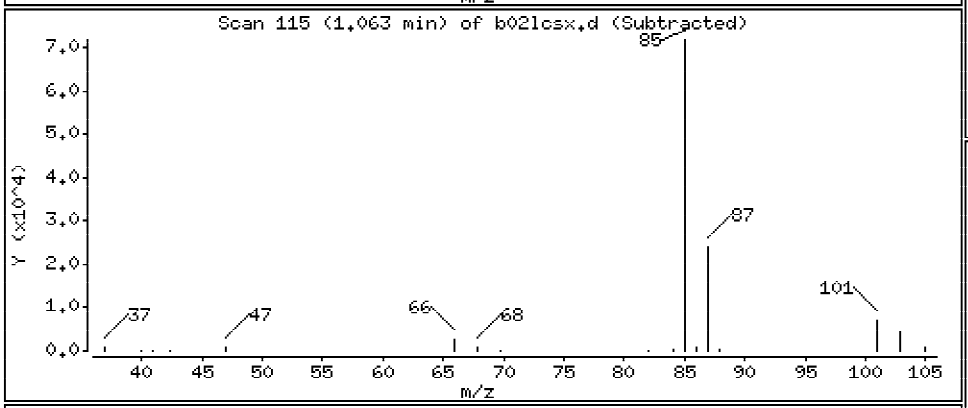
Purge Volume: 5.0 Operator: rsw

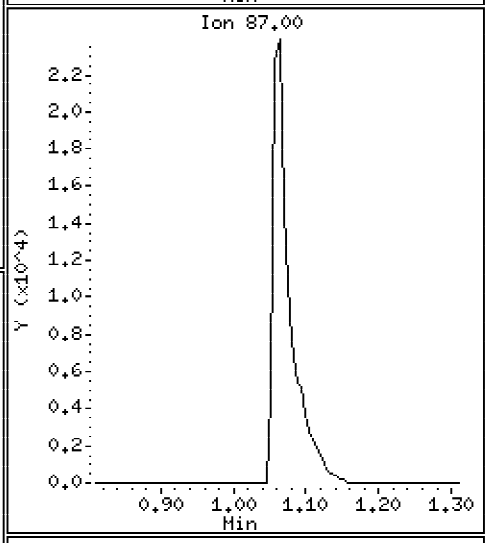
Column phase: DB-624 Column diameter: 0.18

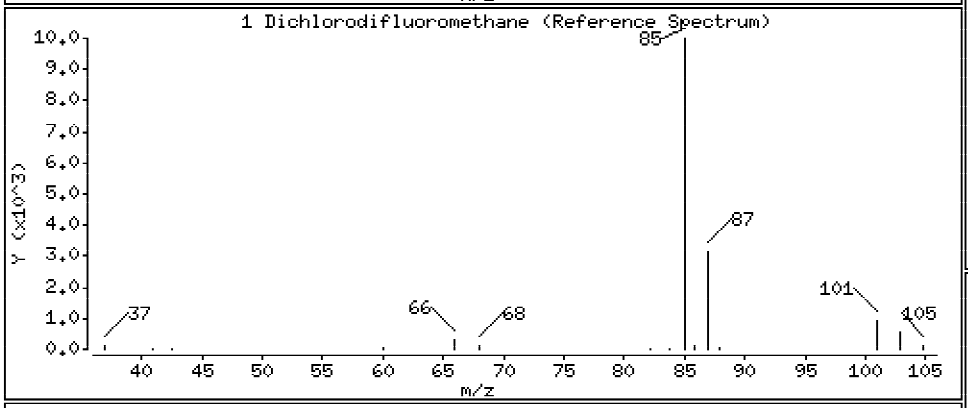
1 Dichlorodifluoromethane Concentration: 34.2 ppb

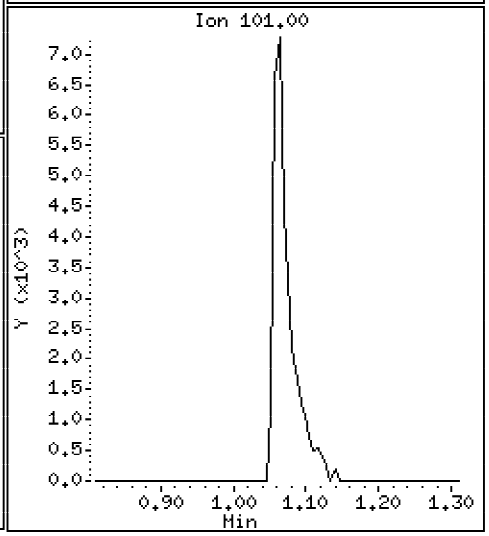


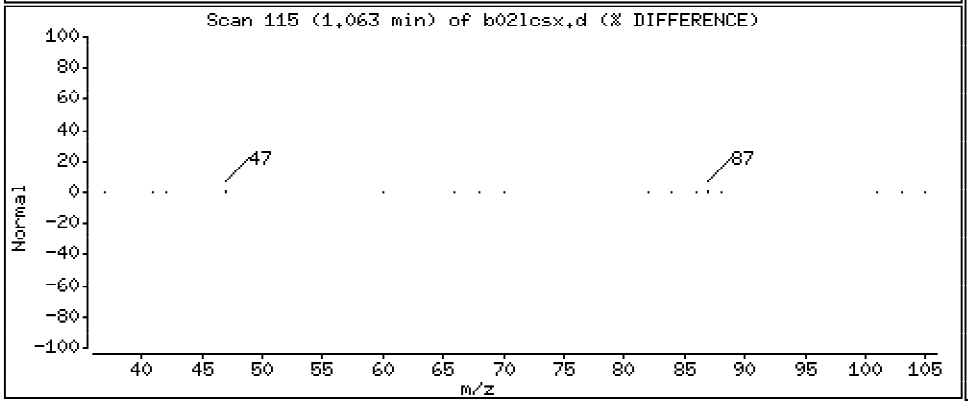












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Date : 15-JAN-2014 12:23

Client ID: 1039438

Instrument: 50mv4b.i

Sample Info: 1039438,59952:5

Purge Volume: 5.0

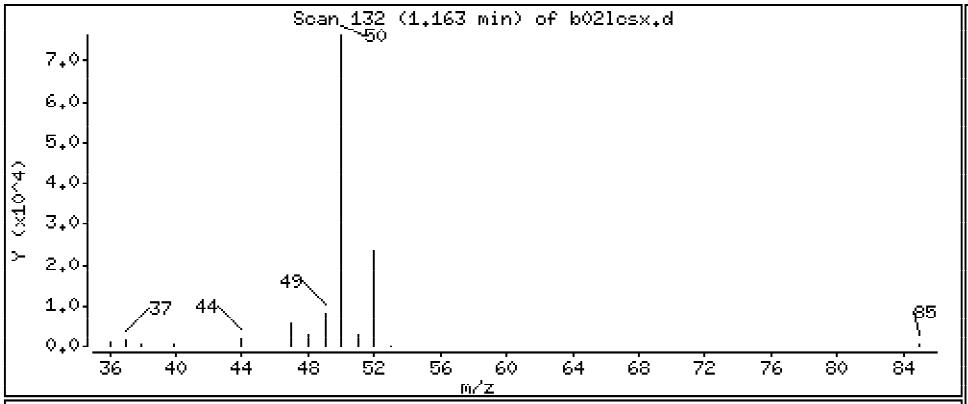
Operator: rsw

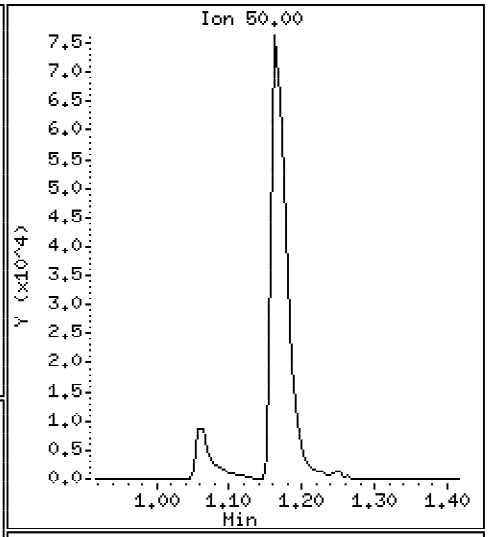
Column phase: DB-624

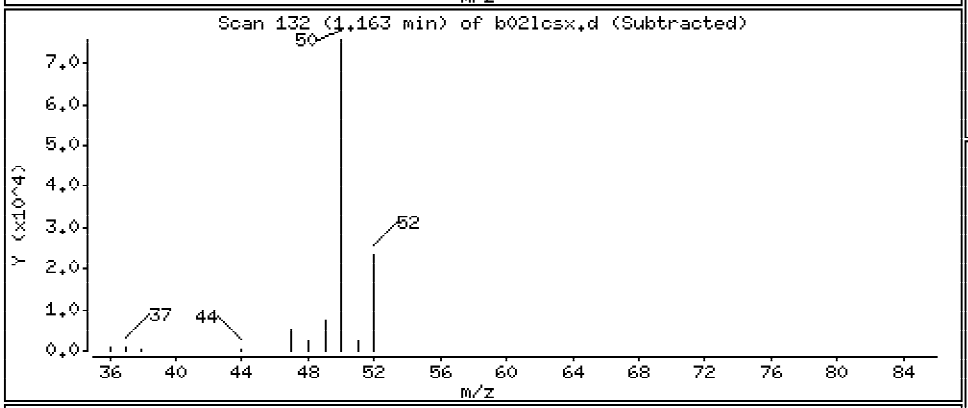
Column diameter: 0.18

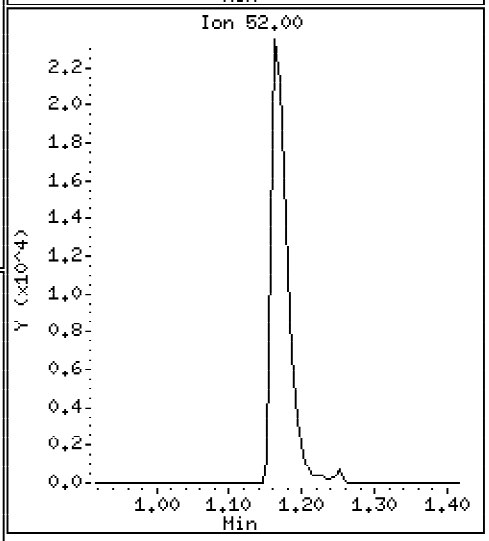
2 Chloromethane

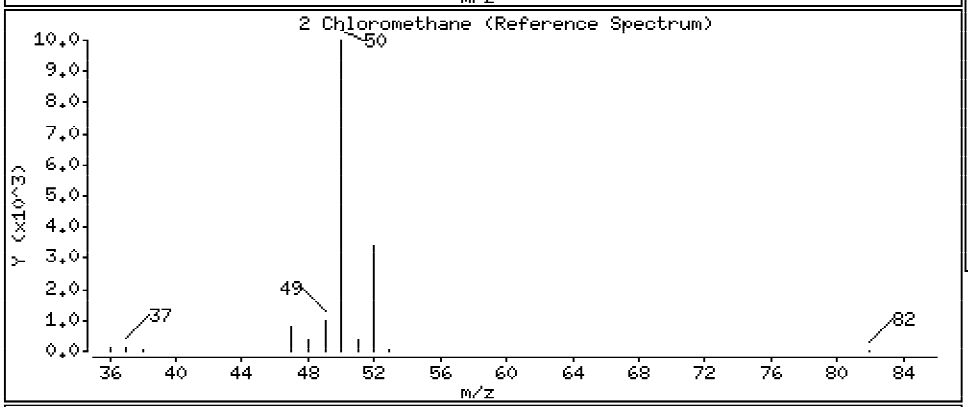
Concentration: 37.8 ppb

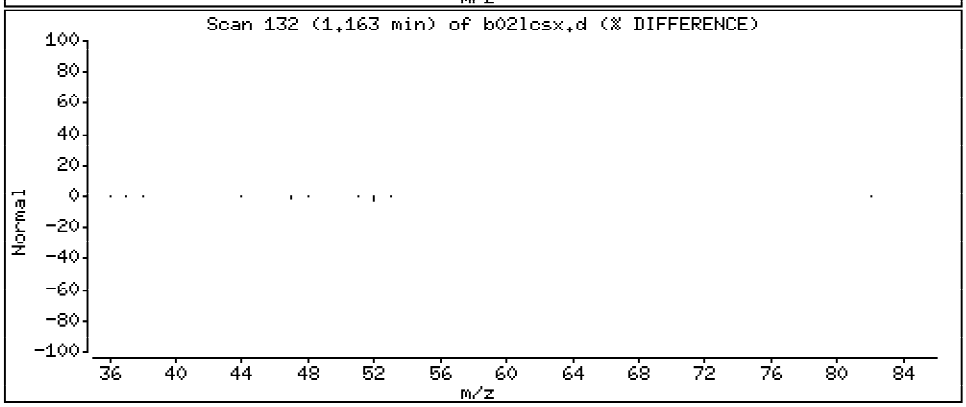












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d Page 7

Date : 15-JAN-2014 12:23

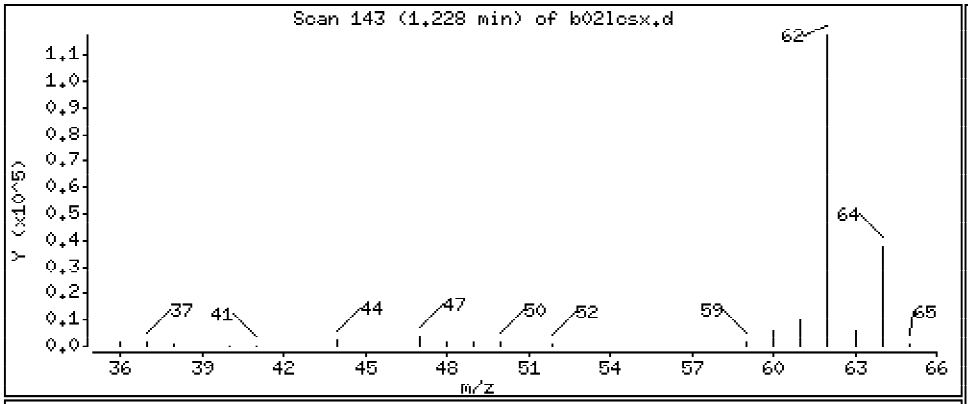
Client ID: 1039438 Instrument: 50mv4b.i

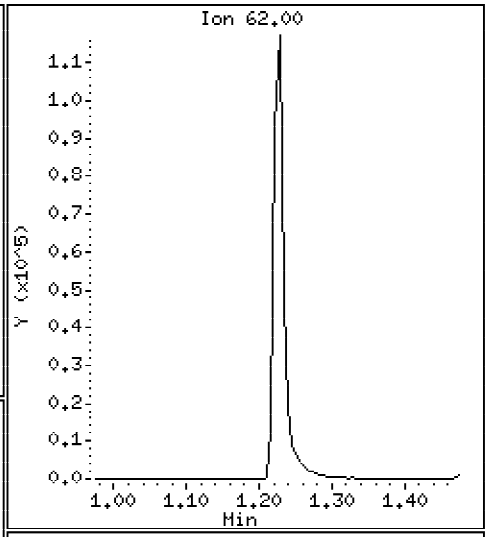
Sample Info: 1039438,59952:5

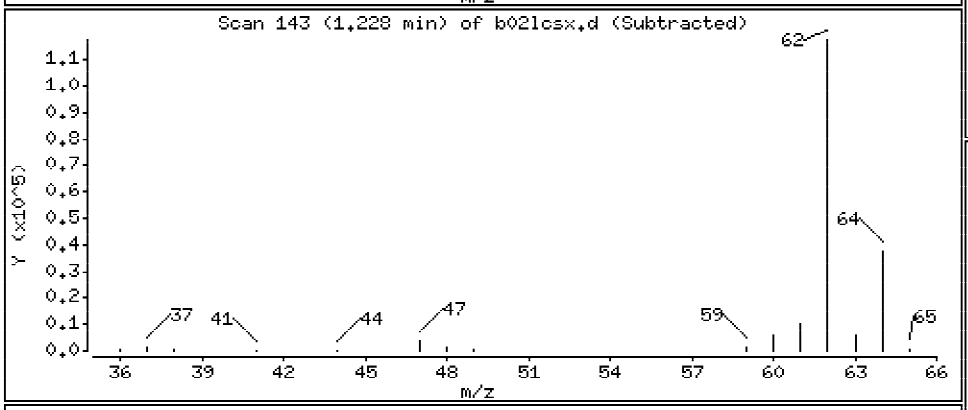
Purge Volume: 5.0 Operator: rsw

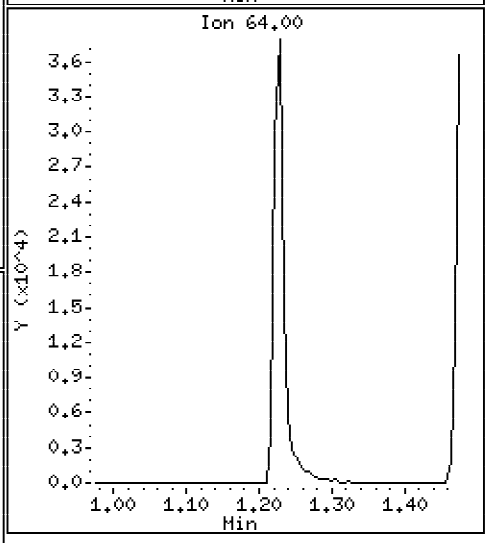
Column phase: DB-624 Column diameter: 0.18

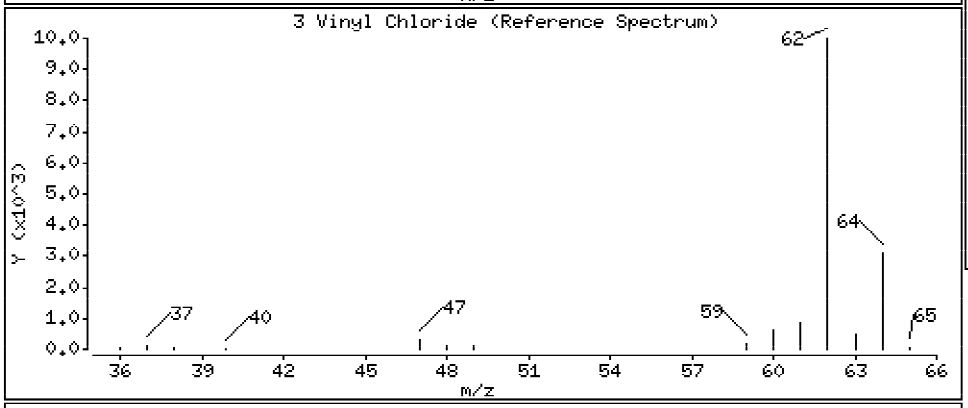
3 Vinyl Chloride Concentration: 38.7 ppb

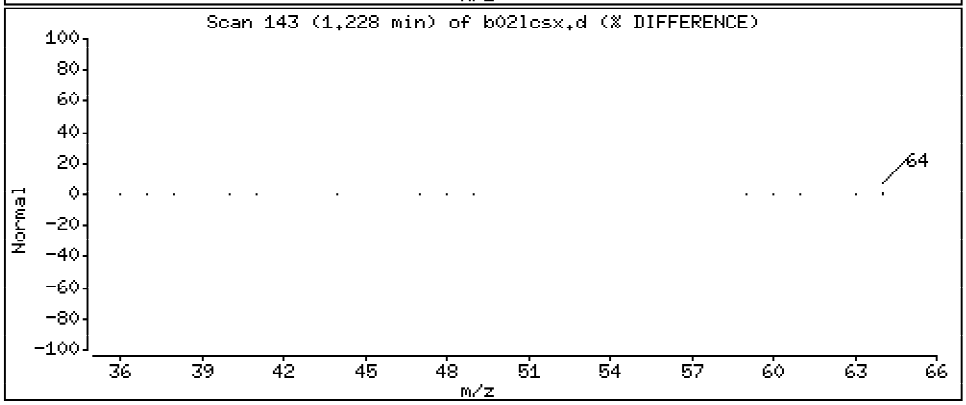












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d Page 8

Date : 15-JAN-2014 12:23

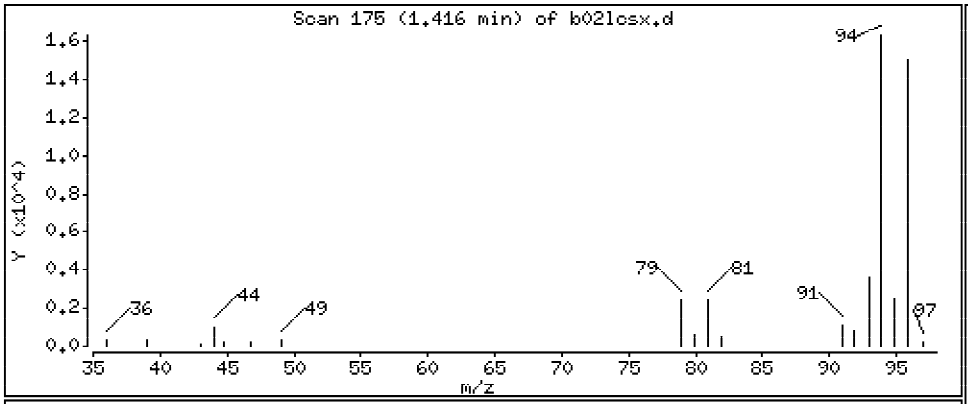
Client ID: 1039438 Instrument: 50mv4b.i

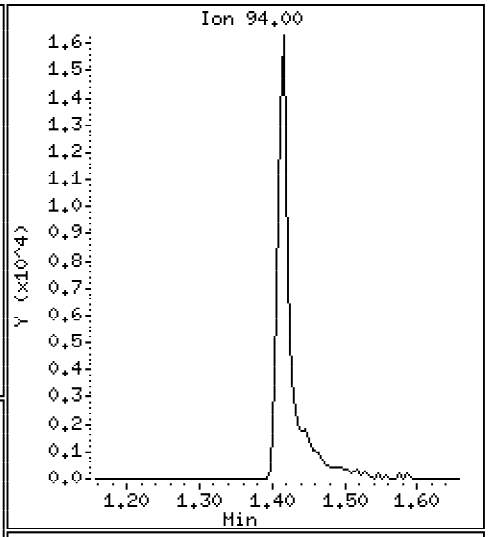
Sample Info: 1039438,59952:5

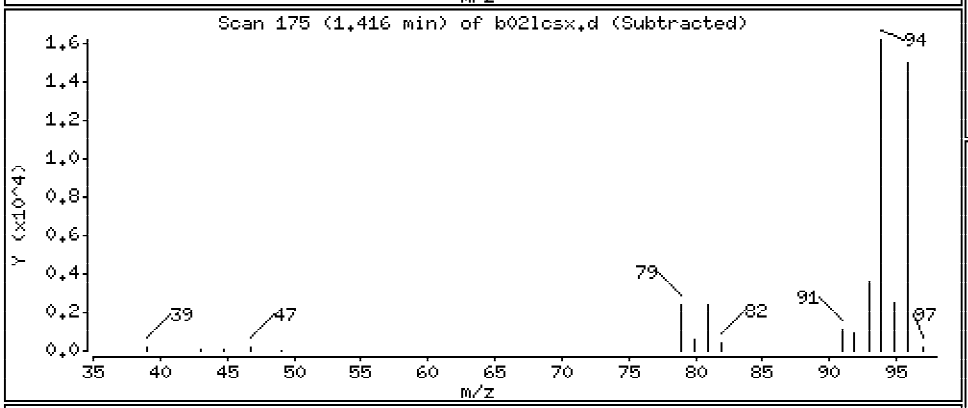
Purge Volume: 5.0 Operator: rsw

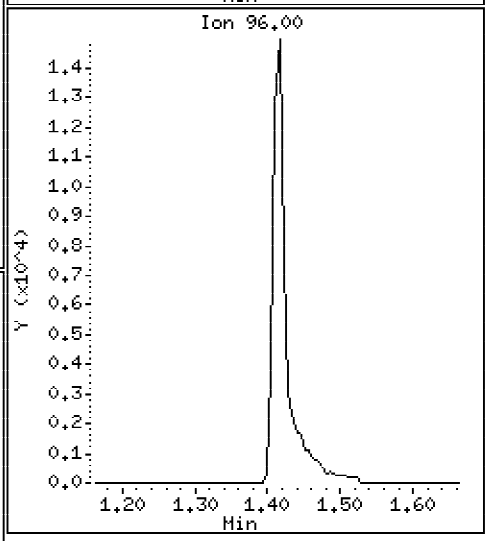
Column phase: DB-624 Column diameter: 0.18

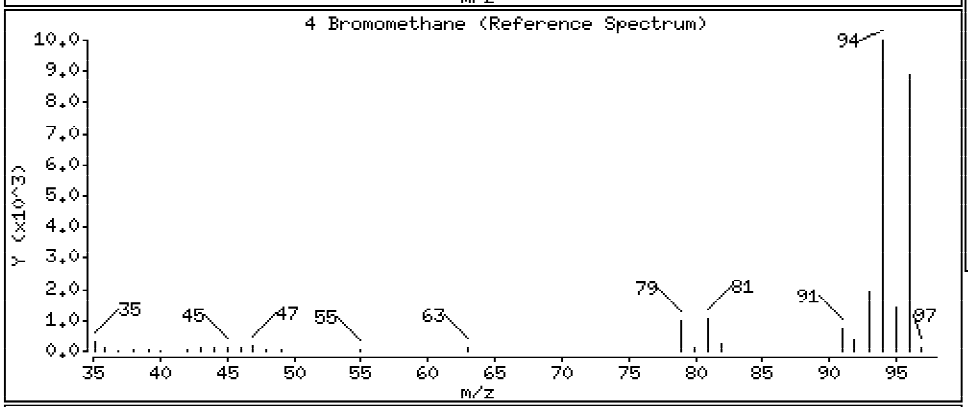
4 Bromomethane Concentration: 25.8 ppb

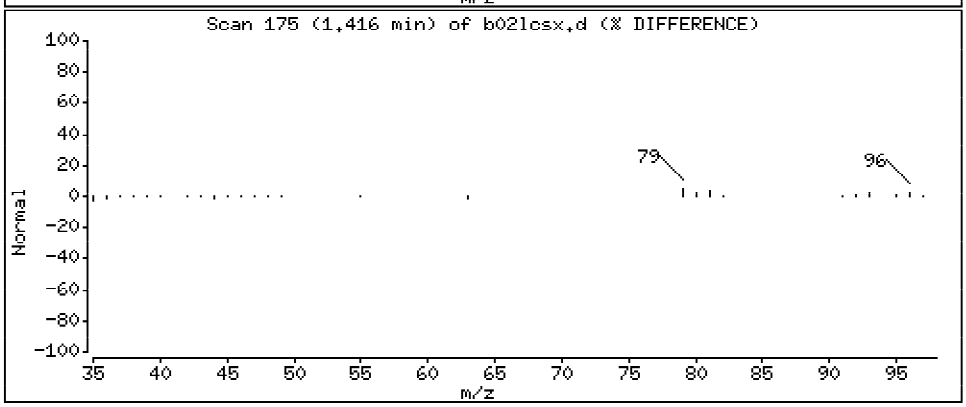












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d

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Date : 15-JAN-2014 12:23

Client ID: 1039438

Instrument: 50mv4b.i

Sample Info: 1039438,59952:5

Purge Volume: 5.0

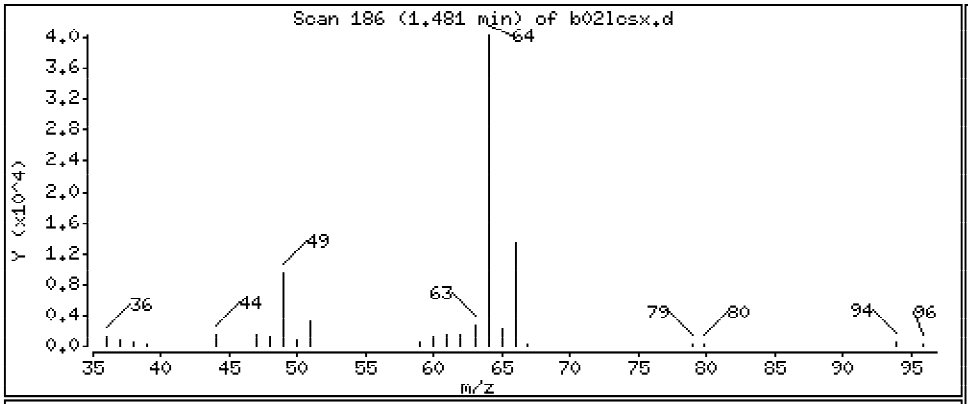
Operator: rsw

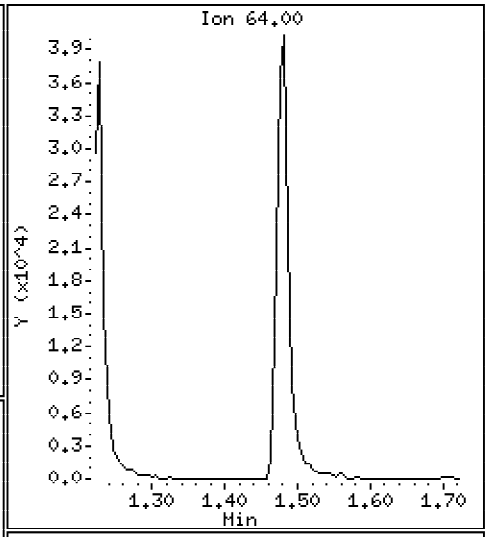
Column phase: DB-624

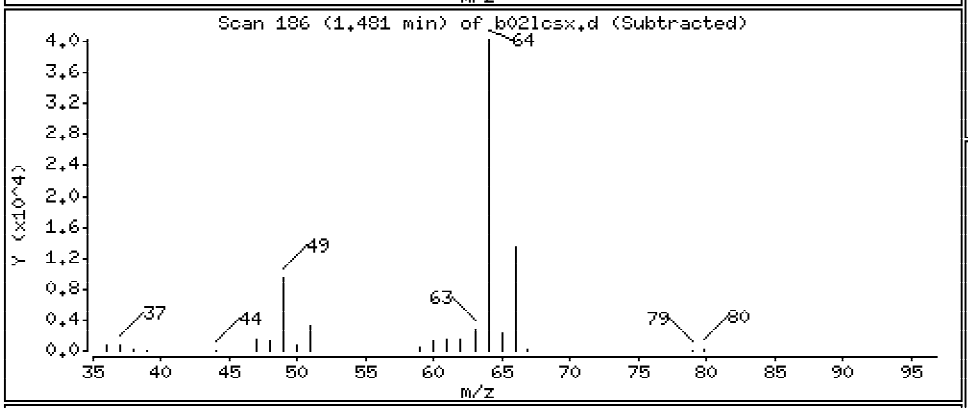
Column diameter: 0.18

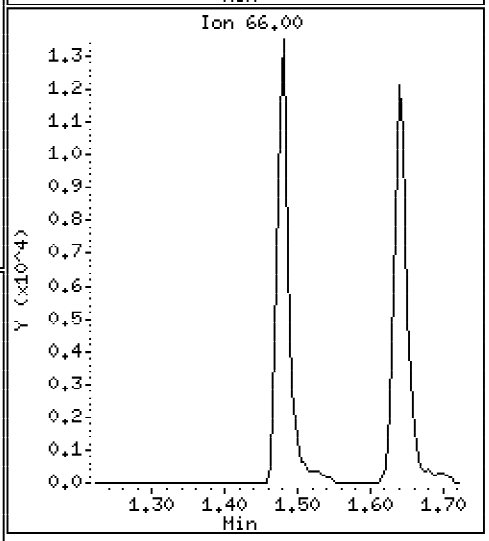
5 Chloroethane

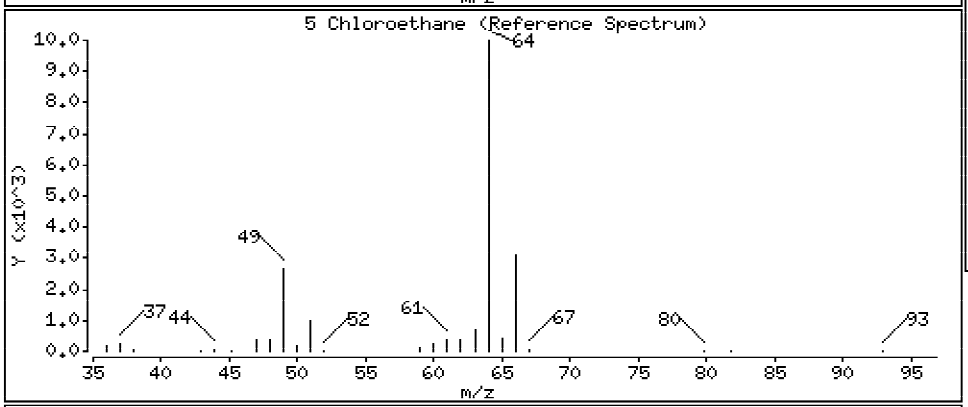
Concentration: 33.9 ppb

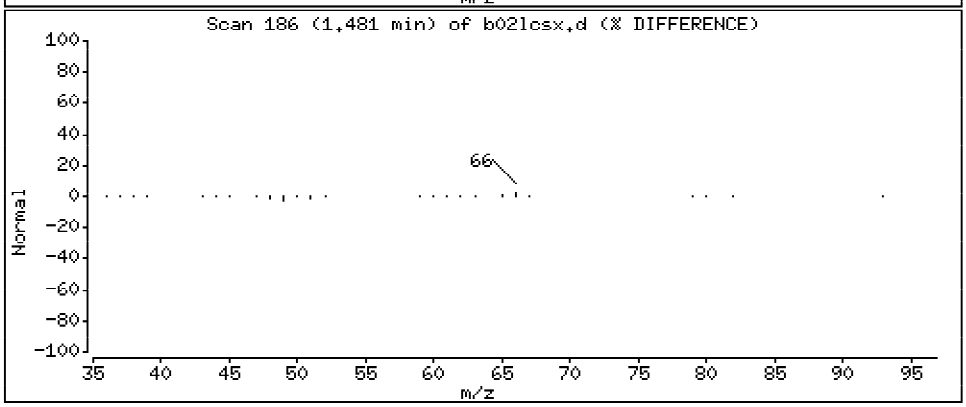












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d

Date : 15-JAN-2014 12:23

Client ID: 1039438

Instrument: 50mv4b.i

Sample Info: 1039438,59952:5

Purge Volume: 5.0

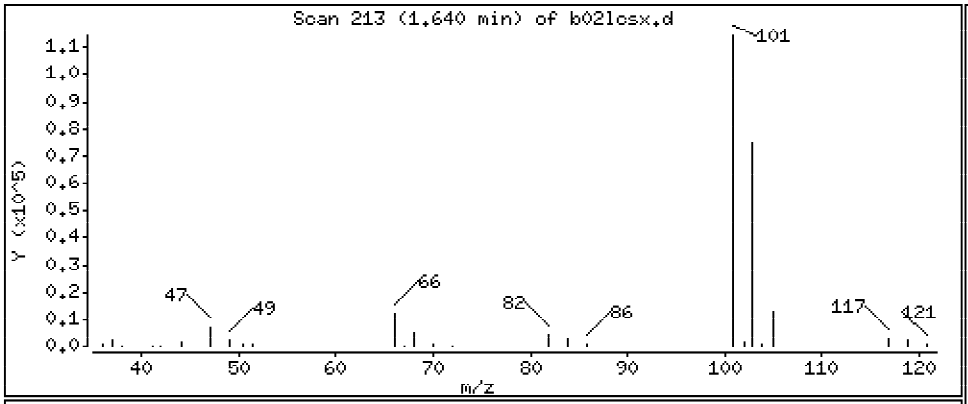
Operator: rsw

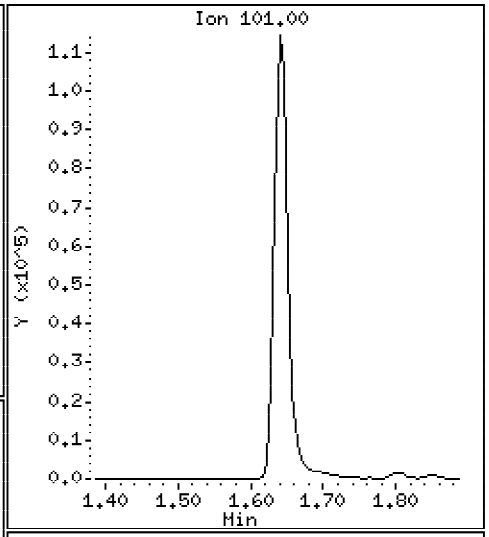
Column phase: DB-624

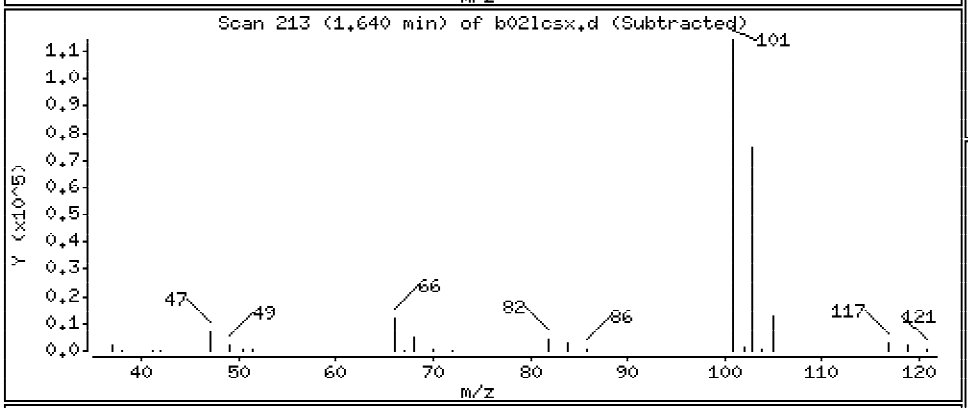
Column diameter: 0.18

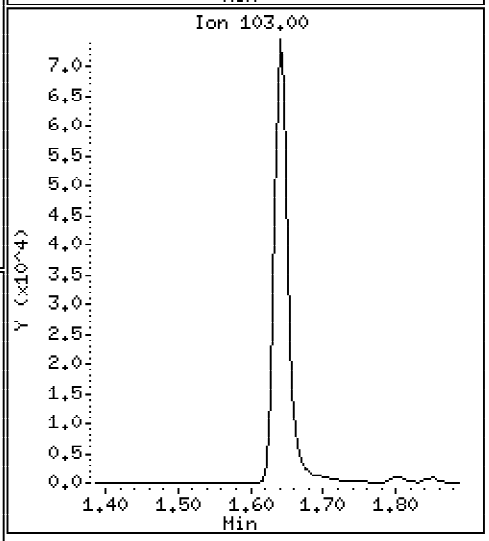
6 Trichlorofluoromethane

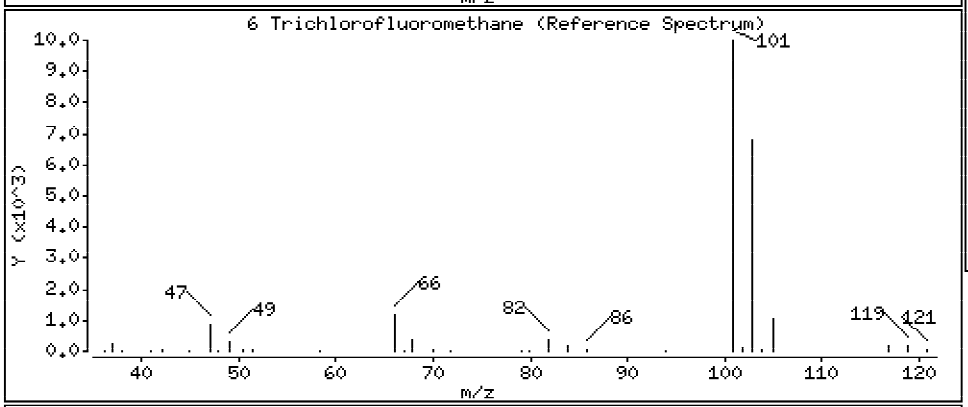
Concentration: 41.4 ppb

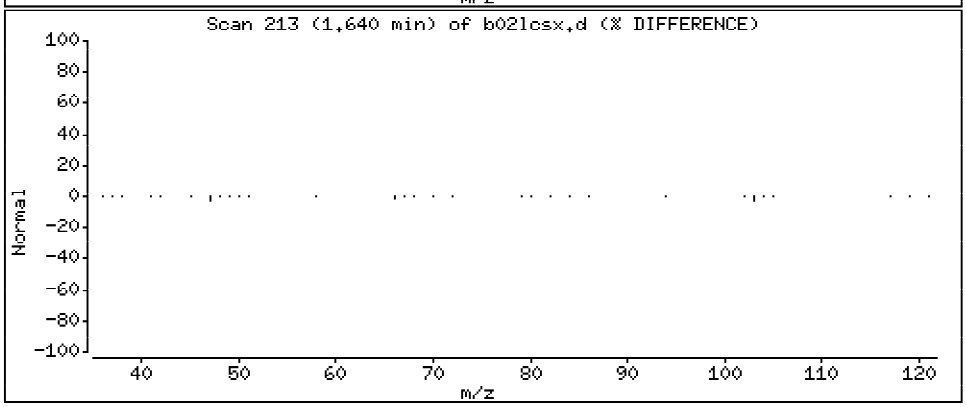












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d Page 11

Date : 15-JAN-2014 12:23

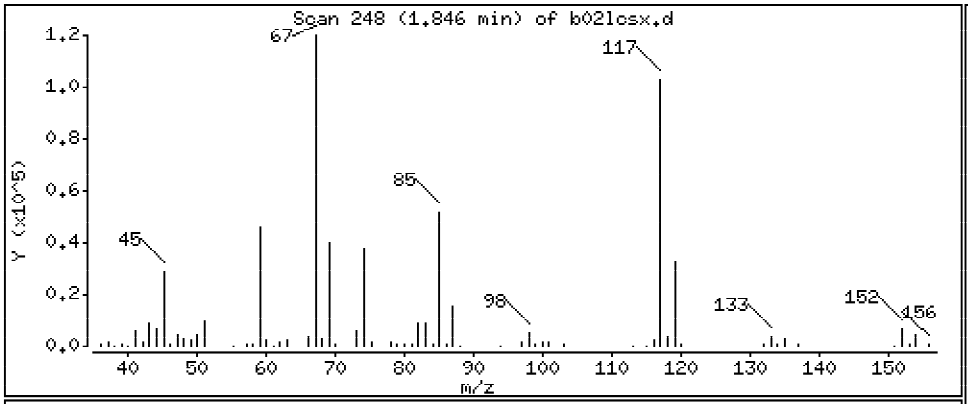
Client ID: 1039438 Instrument: 50mv4b.i

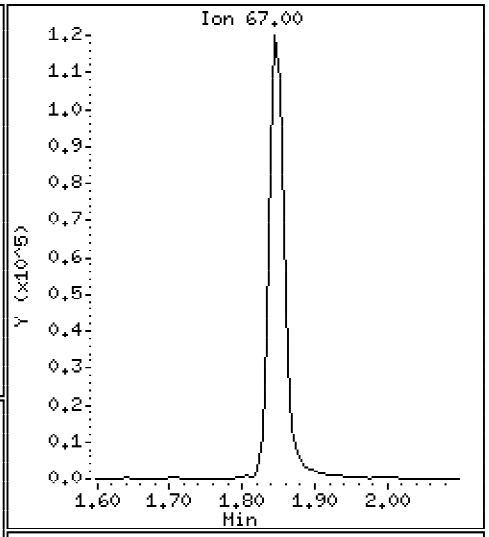
Sample Info: 1039438,59952:5

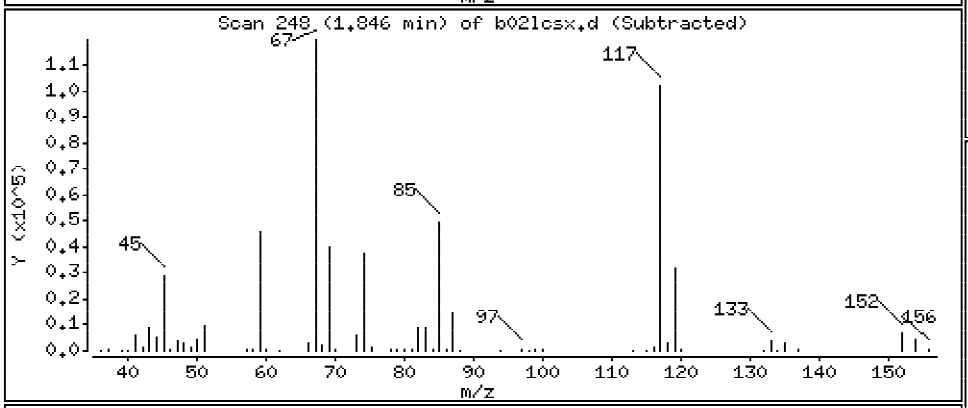
Purge Volume: 5.0 Operator: rsw

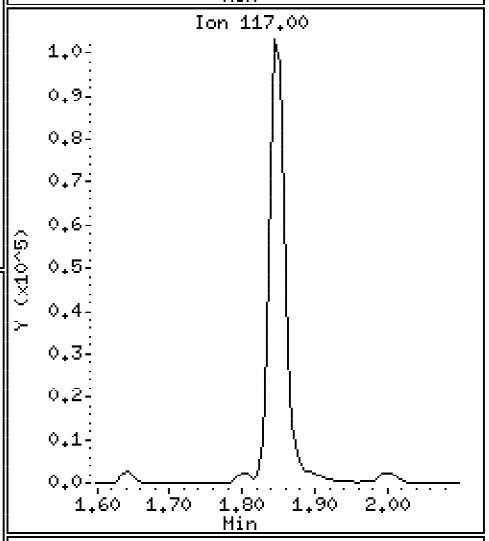
Column phase: DB-624 Column diameter: 0.18

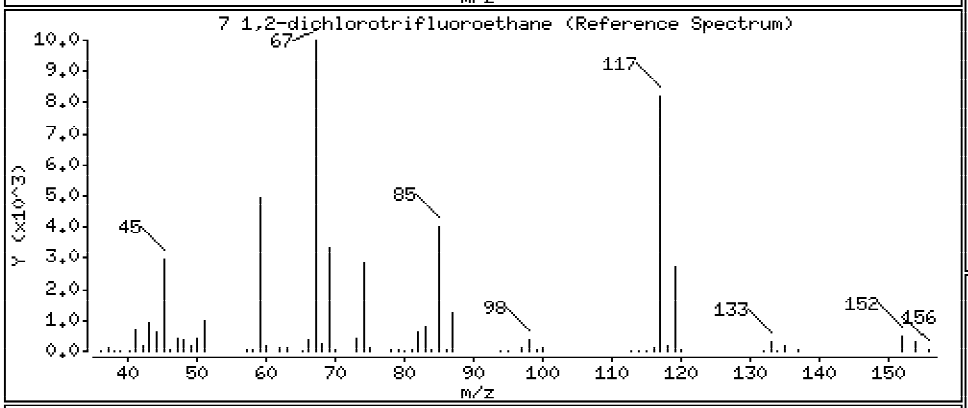
7 1,2-dichlorotrifluoroethane Concentration: 79.2 ppb

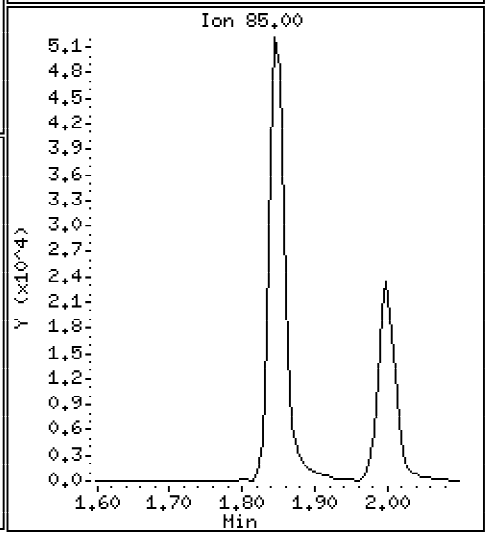


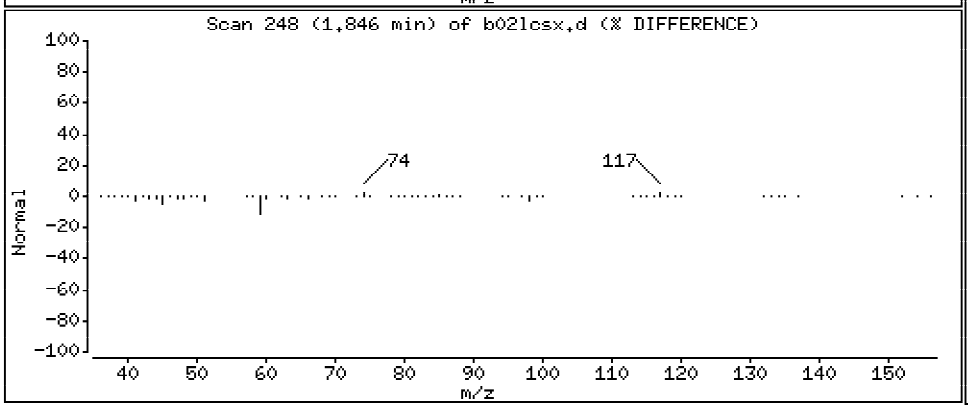












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d Page 12

Date : 15-JAN-2014 12:23

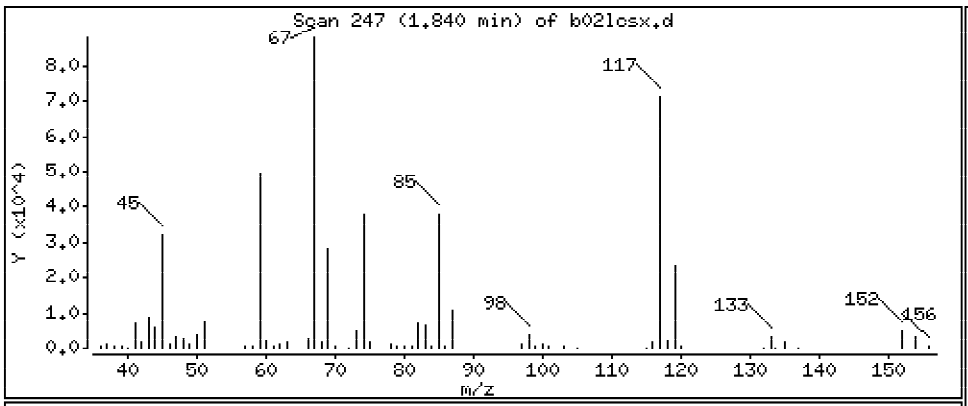
Client ID: 1039438 Instrument: 50mv4b.i

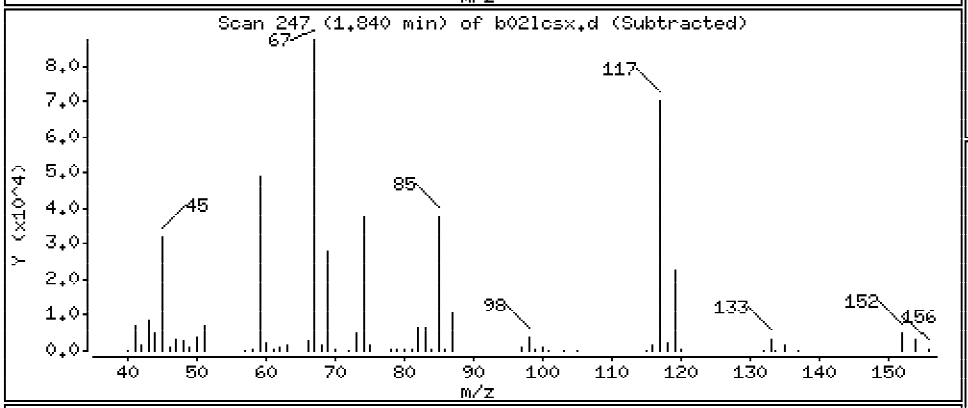
Sample Info: 1039438,59952:5

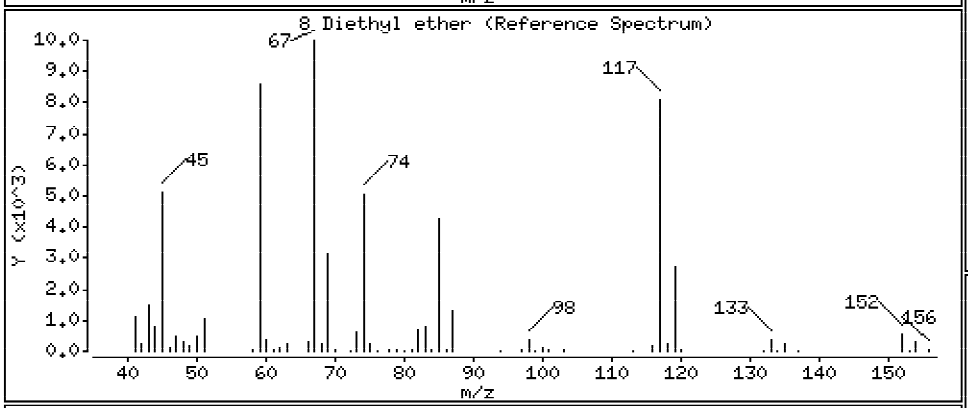
Purge Volume: 5.0 Operator: rsw

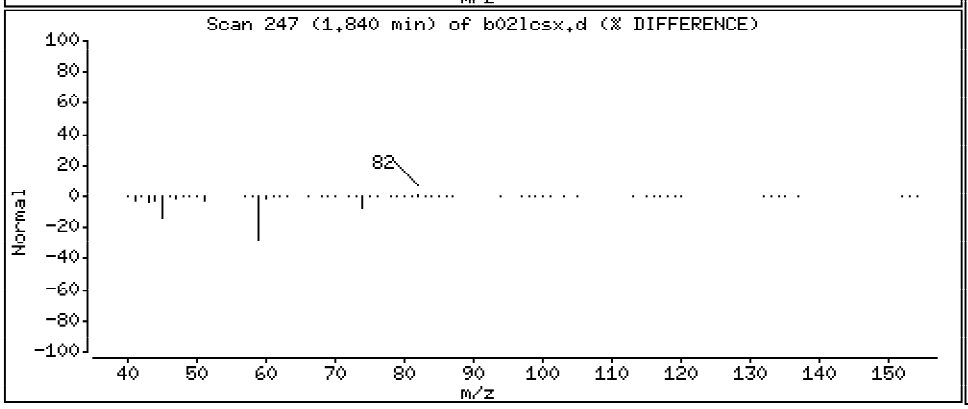
Column phase: DB-624 Column diameter: 0.18

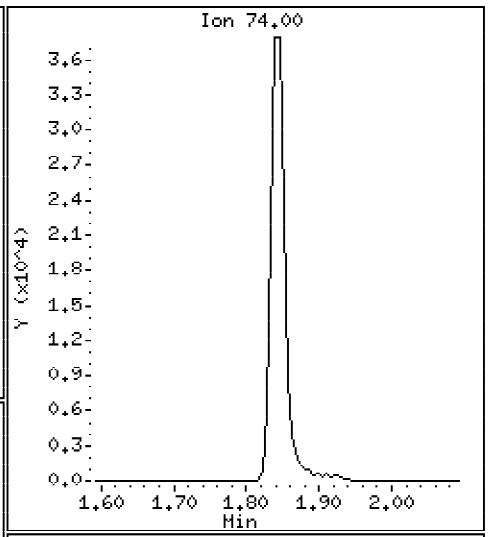
8 Diethyl ether Concentration: 42.8 ppb

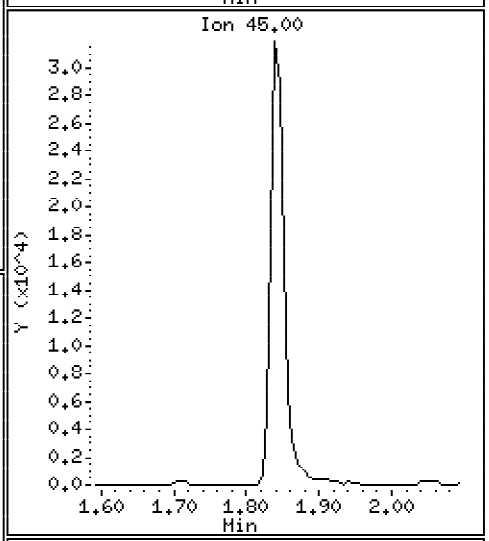


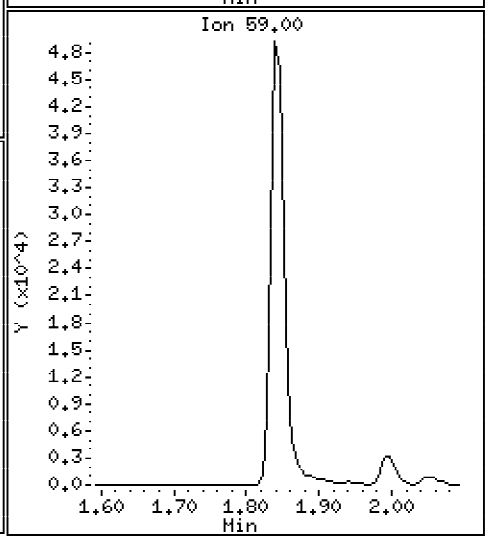












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Date : 15-JAN-2014 12:23

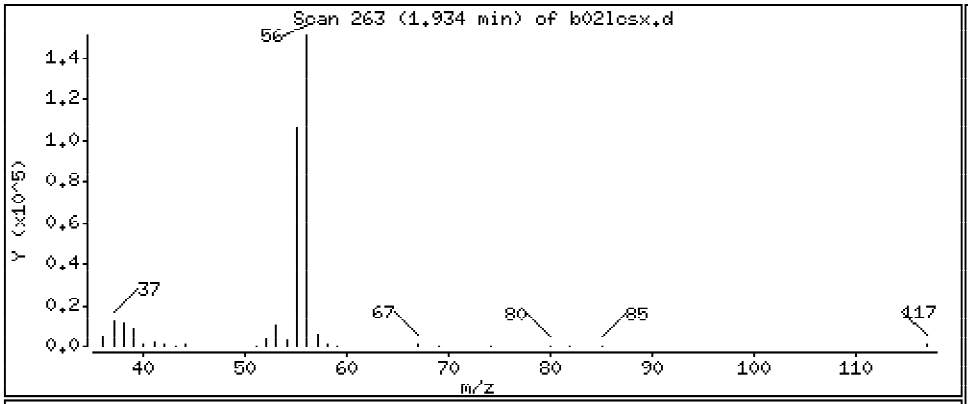
Client ID: 1039438 Instrument: 50mv4b.i

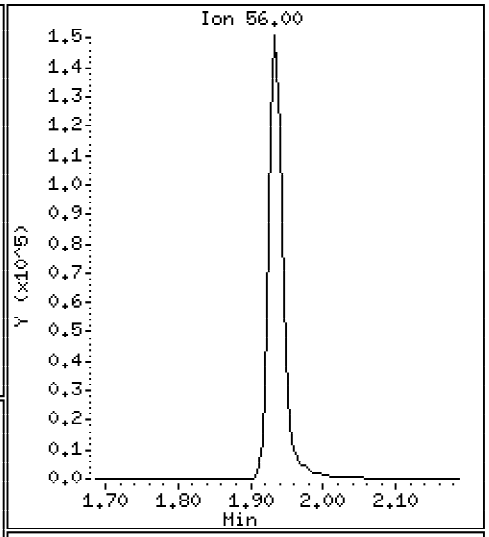
Sample Info: 1039438,59952:5

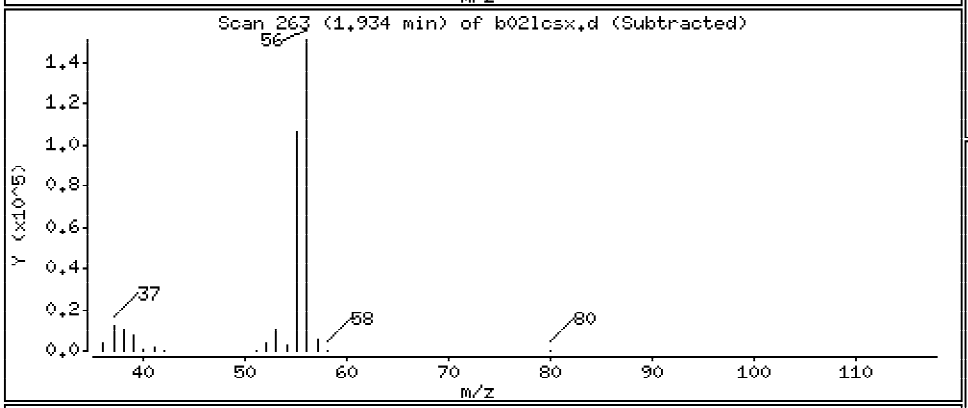
Purge Volume: 5.0 Operator: rsw

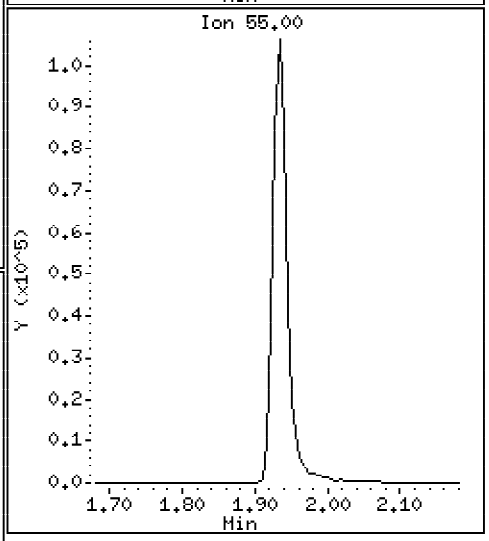
Column phase: DB-624 Column diameter: 0.18

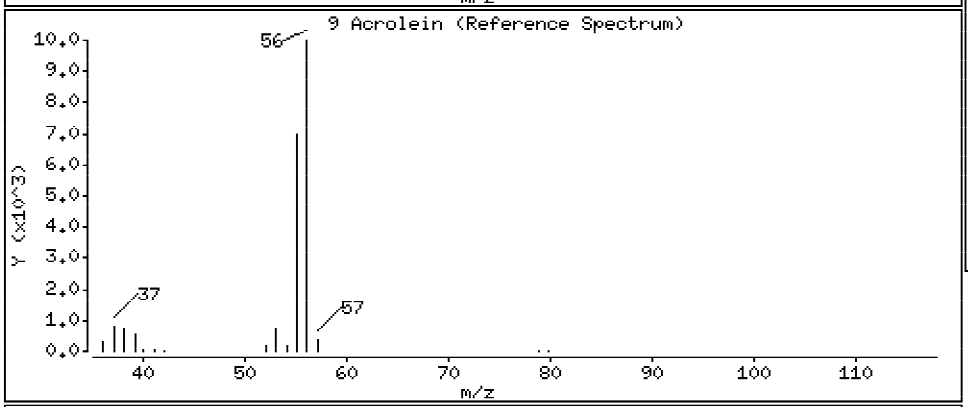
9 Acrolein Concentration: 736 ppb

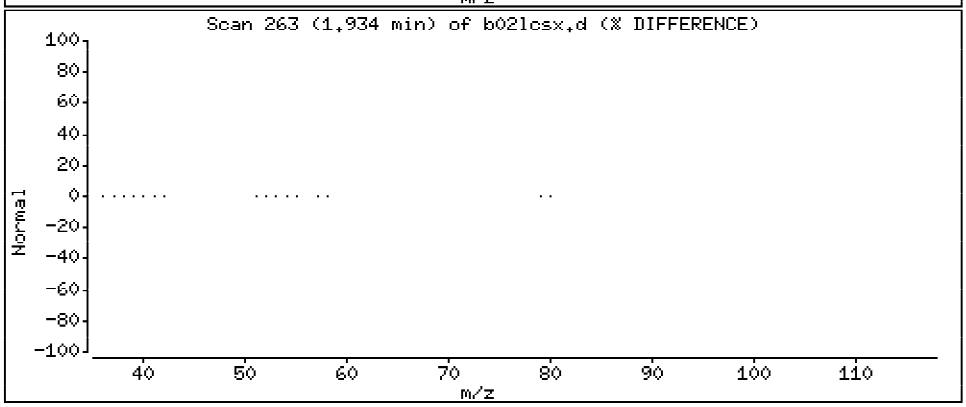












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d

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Date : 15-JAN-2014 12:23

Client ID: 1039438

Instrument: 50mv4b.i

Sample Info: 1039438,59952:5

Purge Volume: 5.0

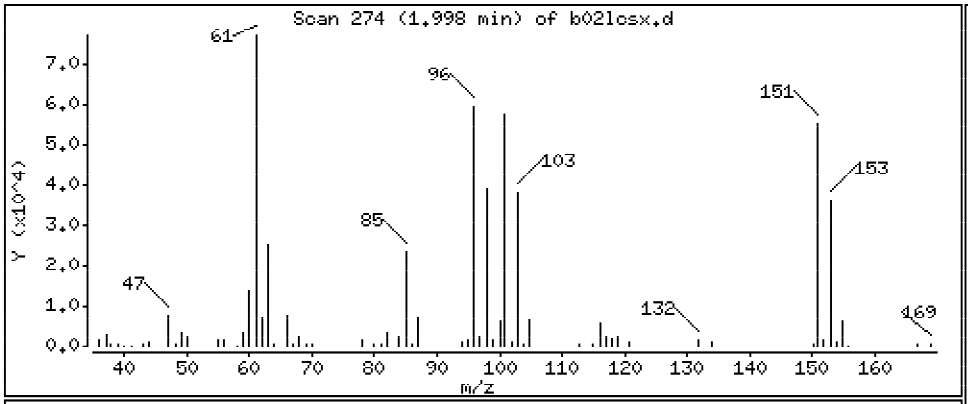
Operator: rsw

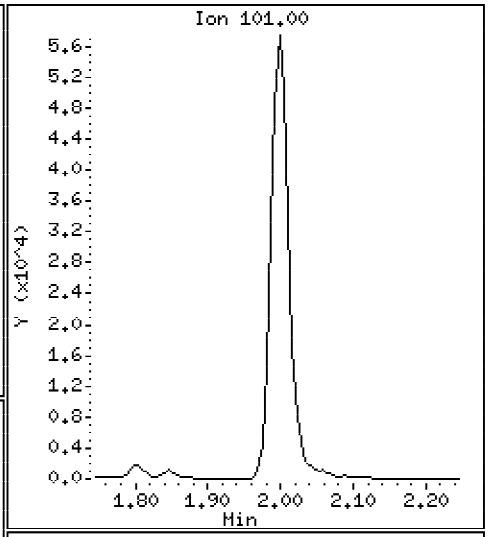
Column phase: DB-624

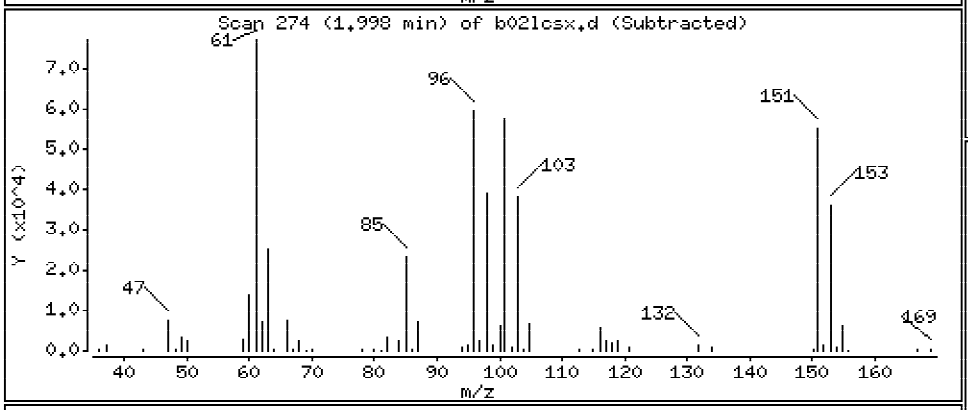
Column diameter: 0.18

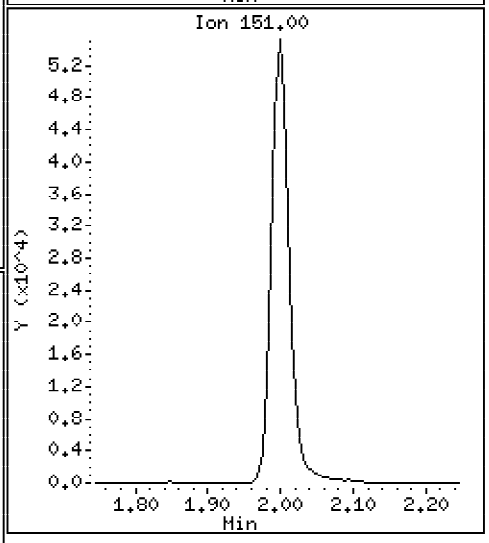
10 1,1,2trichlorotrifluoroethane

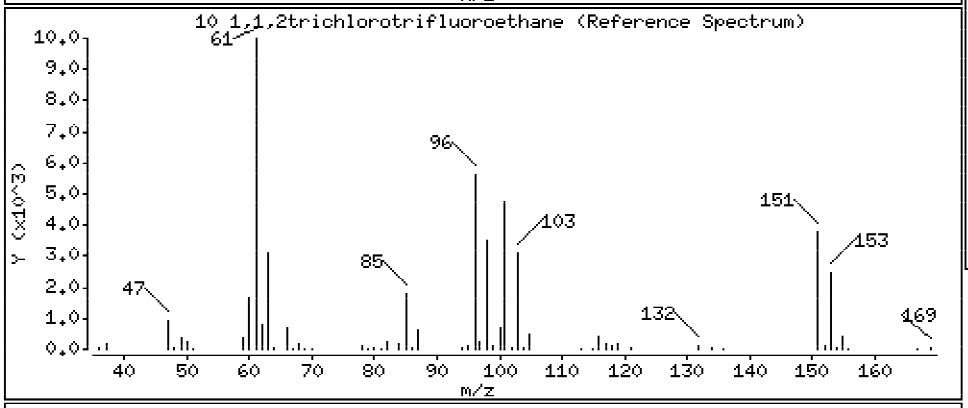
Concentration: 45.8 ppb

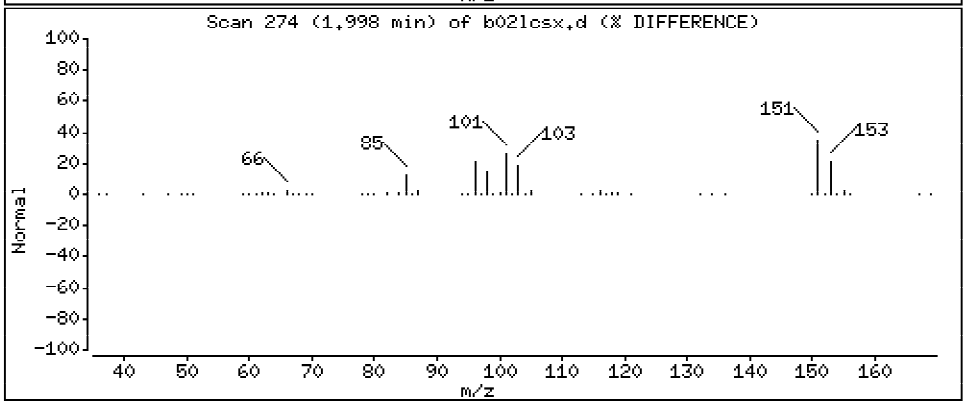












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d Page 15

Date : 15-JAN-2014 12:23

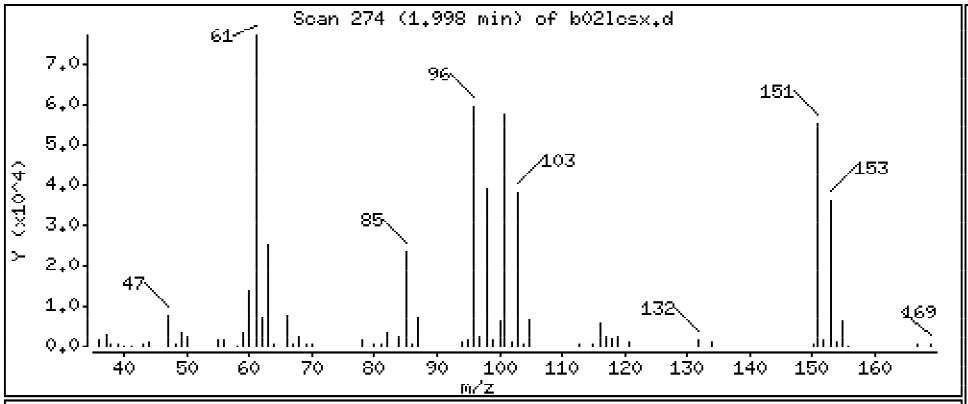
Client ID: 1039438 Instrument: 50mv4b.i

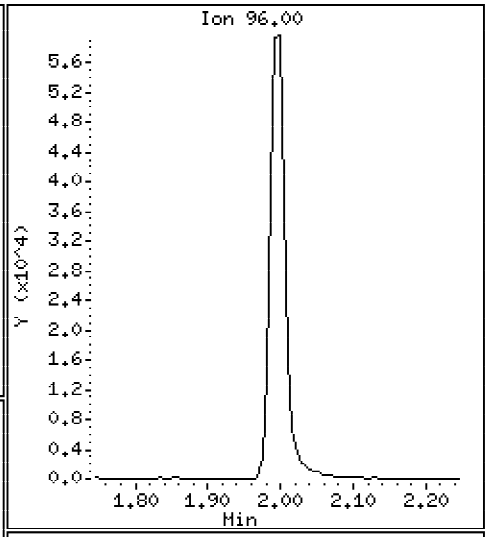
Sample Info: 1039438,59952:5

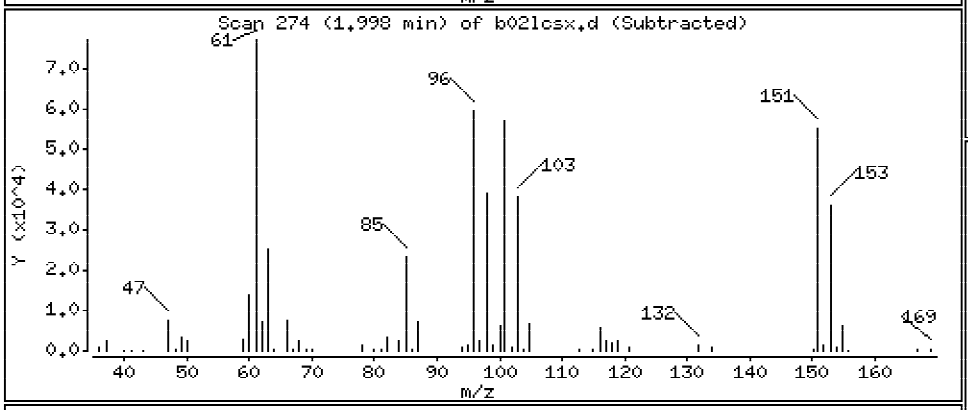
Purge Volume: 5.0 Operator: rsw

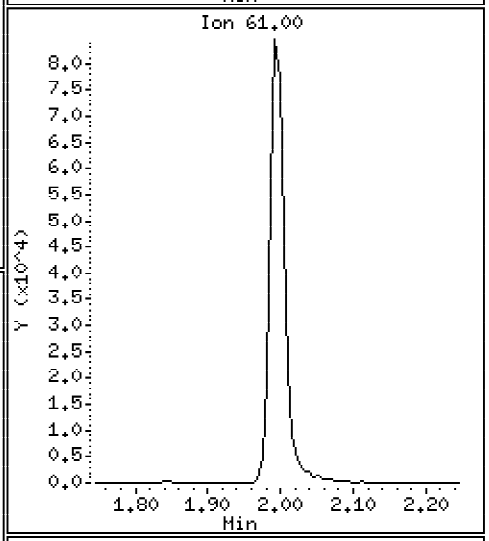
Column phase: DB-624 Column diameter: 0.18

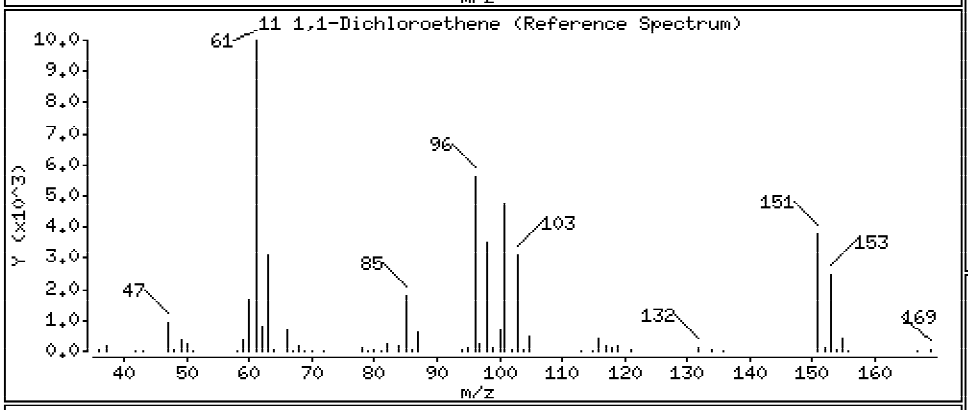
11 1,1-Dichloroethene Concentration: 40.0 ppb

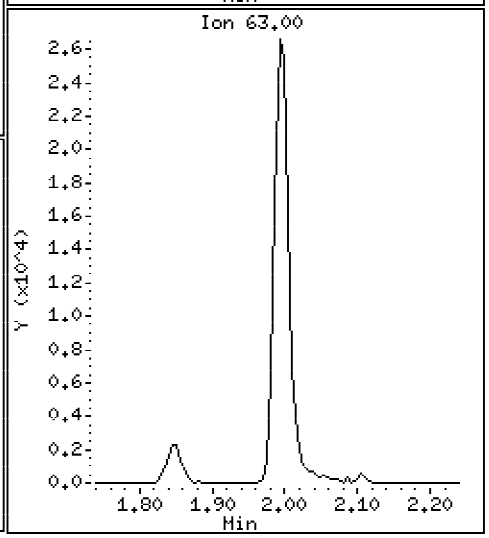


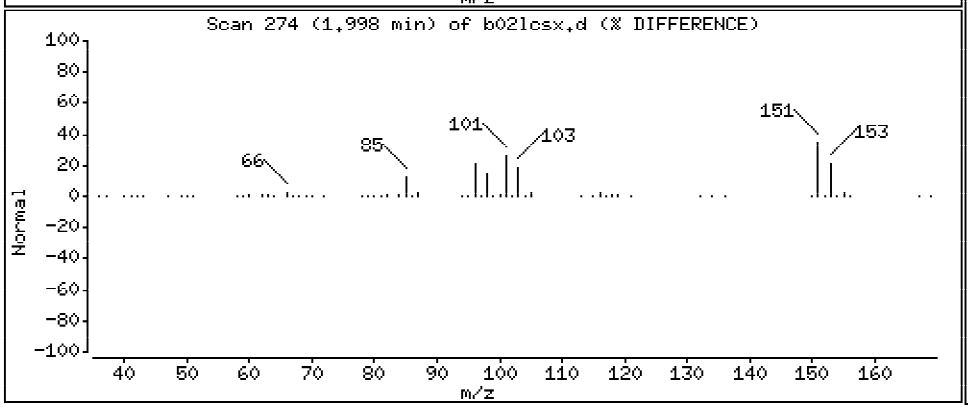












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d Page 16

Date : 15-JAN-2014 12:23

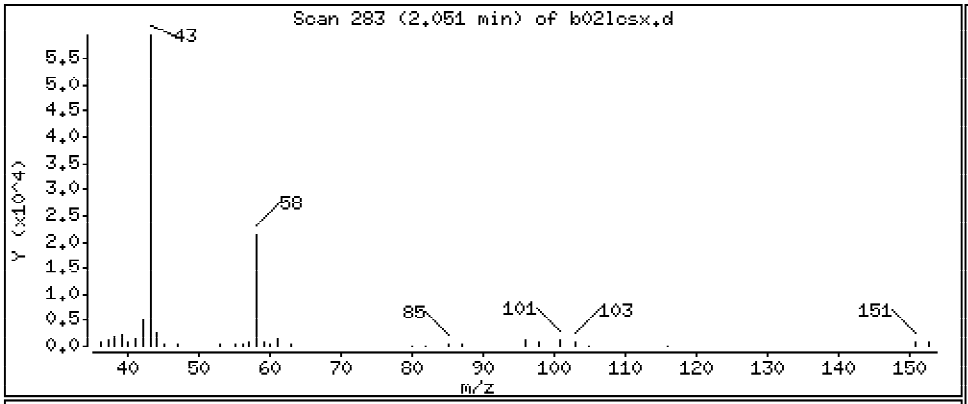
Client ID: 1039438 Instrument: 50mv4b.i

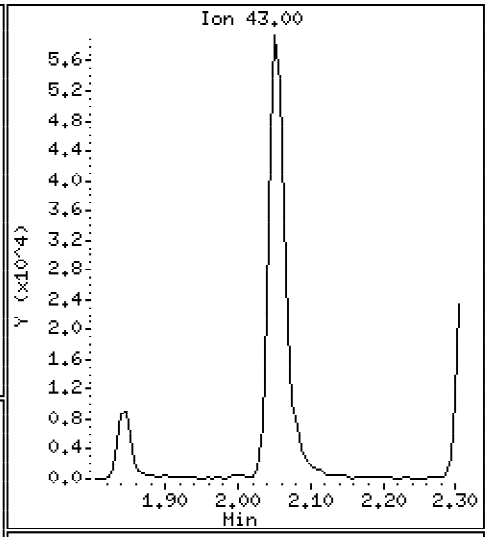
Sample Info: 1039438,59952:5

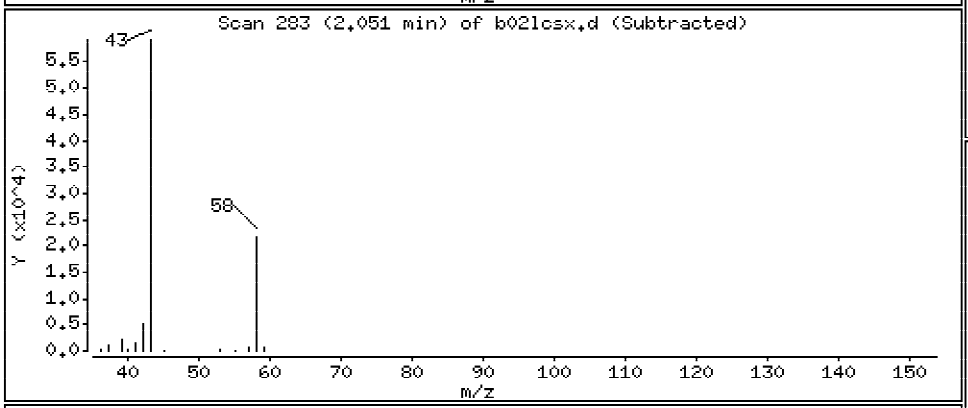
Purge Volume: 5.0 Operator: rsw

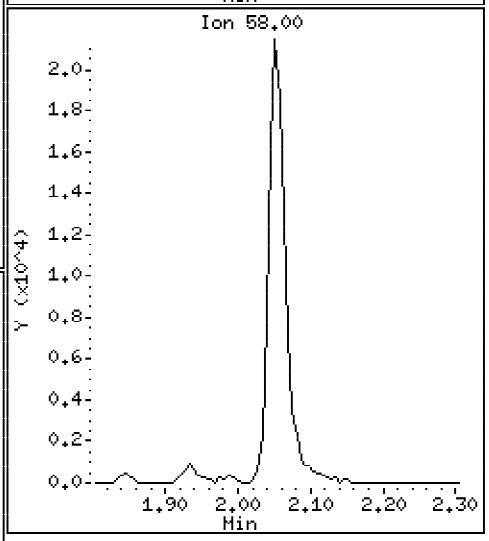
Column phase: DB-624 Column diameter: 0.18

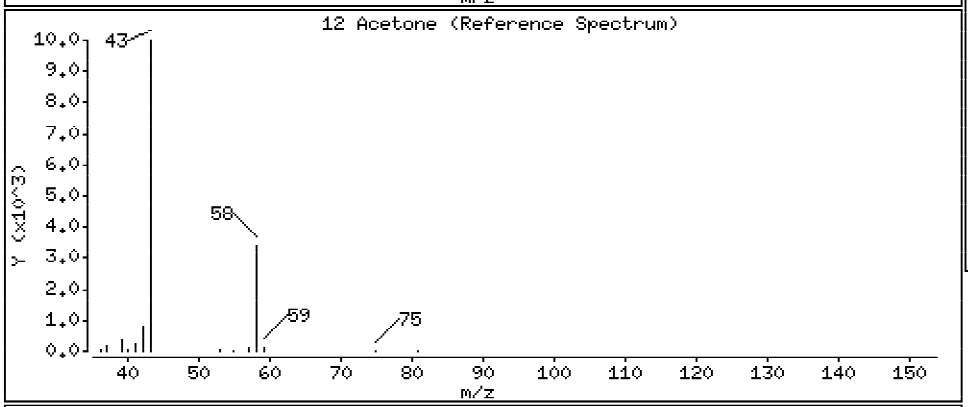
12 Acetone Concentration: 216 ppb

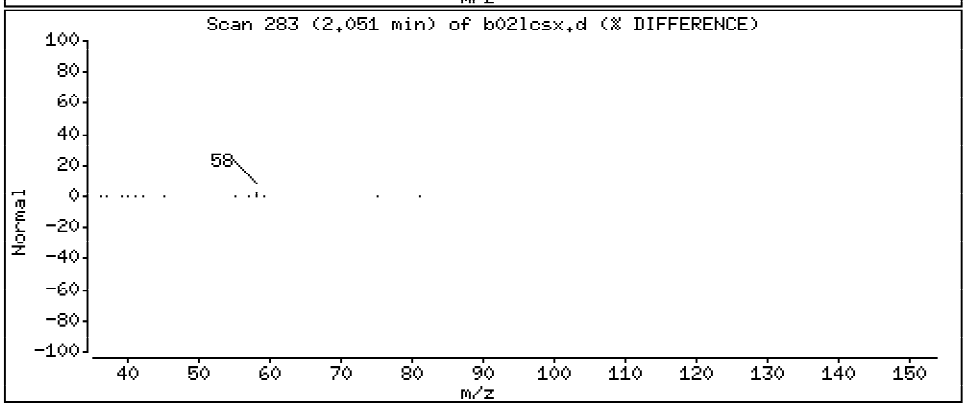












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d

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Date : 15-JAN-2014 12:23

Client ID: 1039438

Instrument: 50mv4b.i

Sample Info: 1039438,59952:5

Purge Volume: 5.0

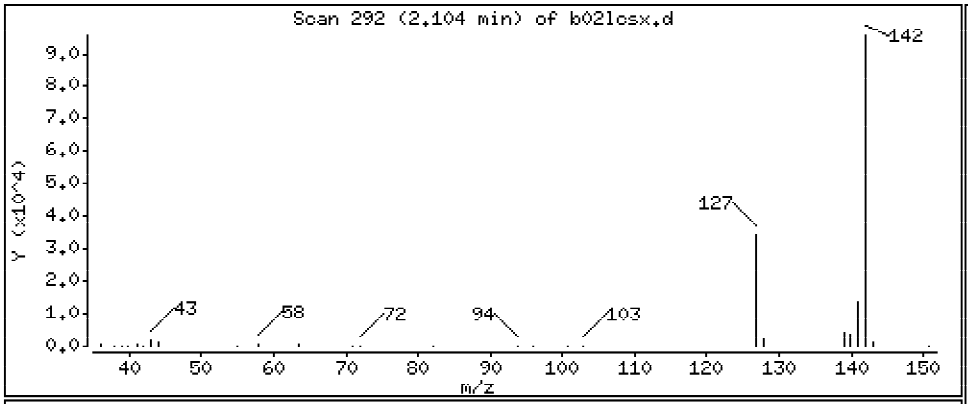
Operator: rsw

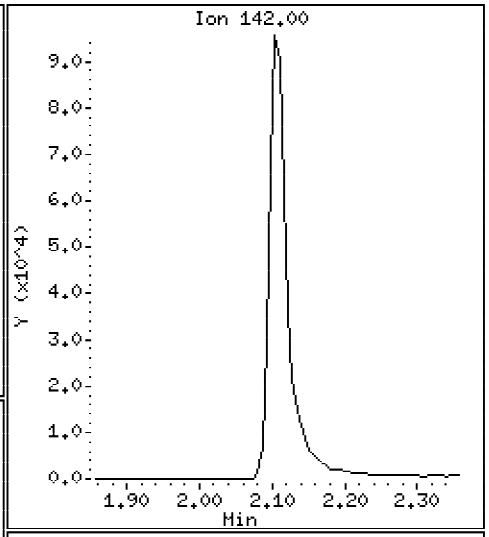
Column phase: DB-624

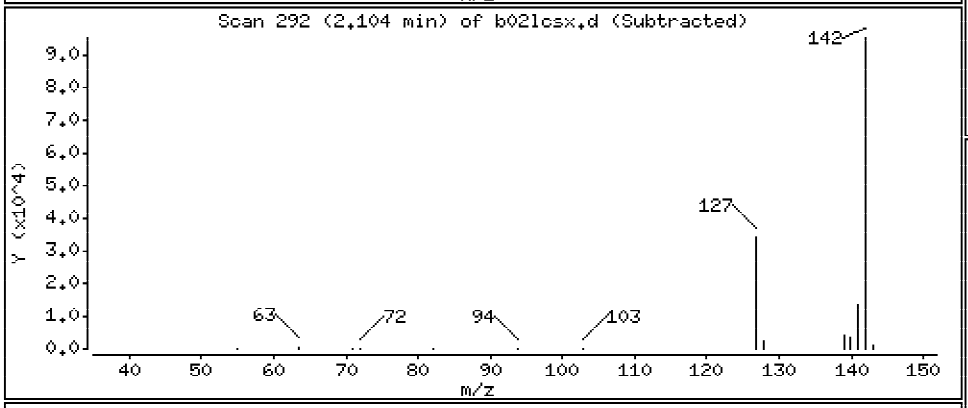
Column diameter: 0.18

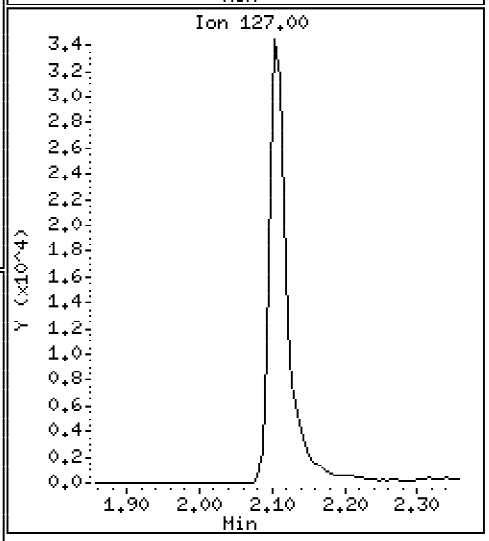
13 Iodomethane

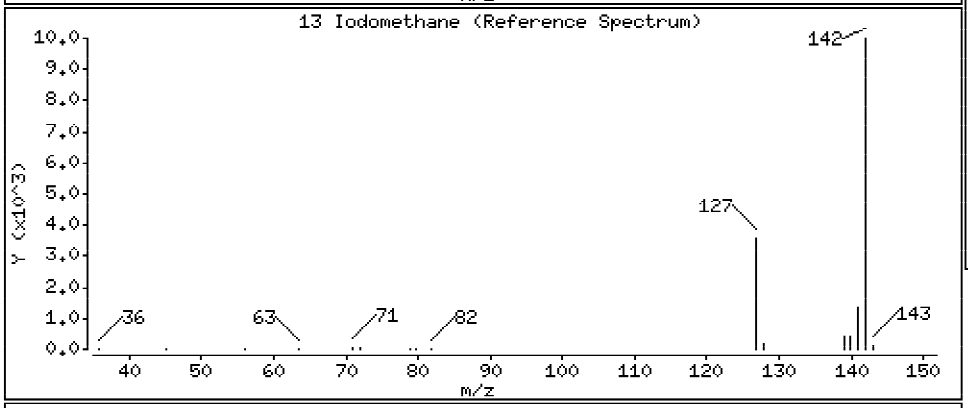
Concentration: 81.6 ppb

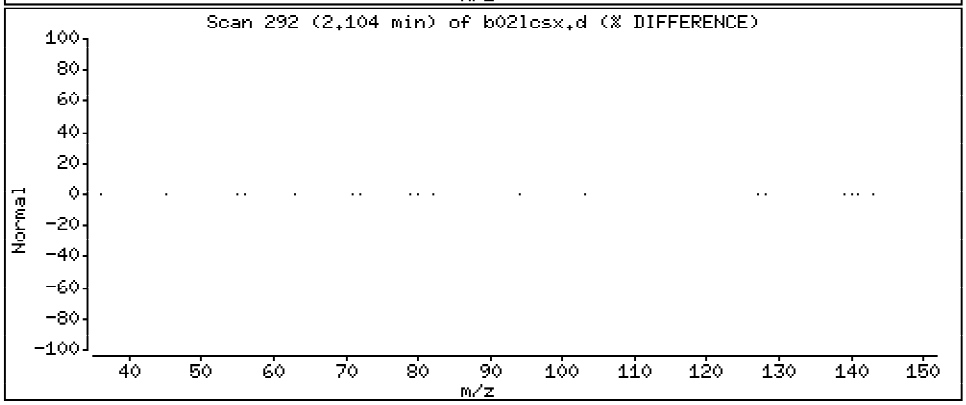












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d Page 18

Date : 15-JAN-2014 12:23

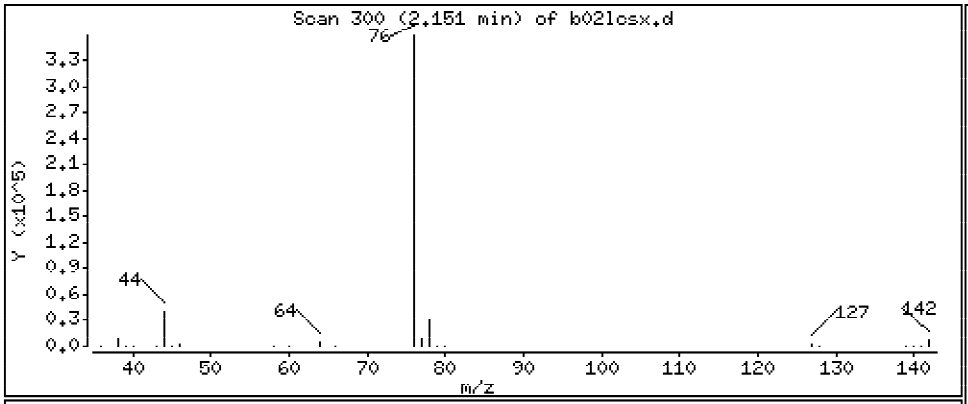
Client ID: 1039438 Instrument: 50mv4b.i

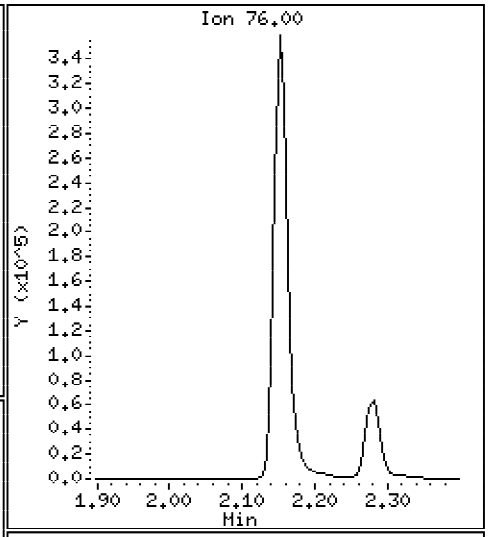
Sample Info: 1039438,59952:5

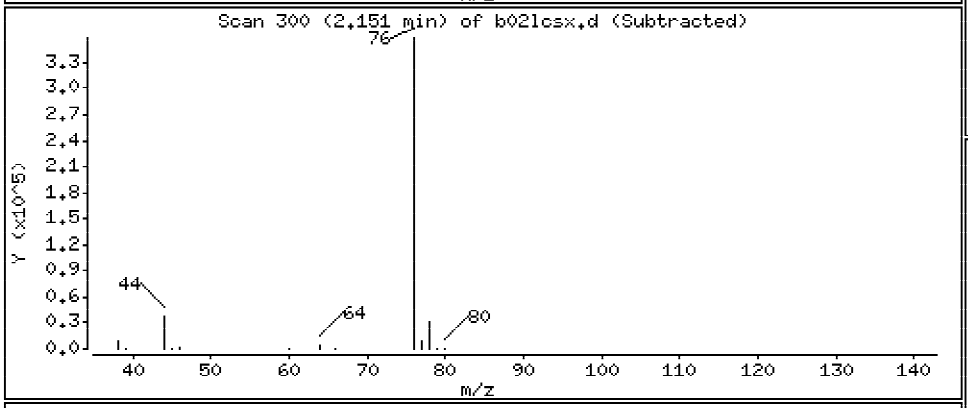
Purge Volume: 5.0 Operator: rsw

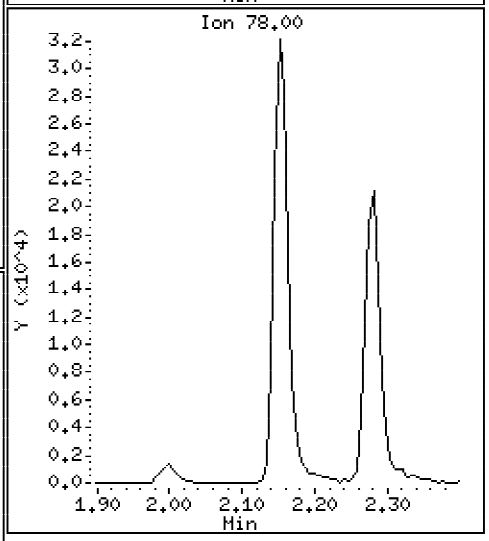
Column phase: DB-624 Column diameter: 0.18

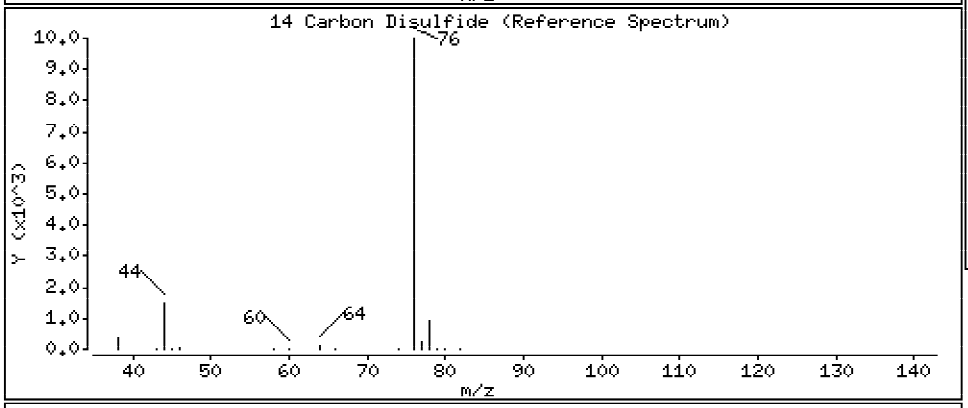
14 Carbon Disulfide Concentration: 84.9 ppb

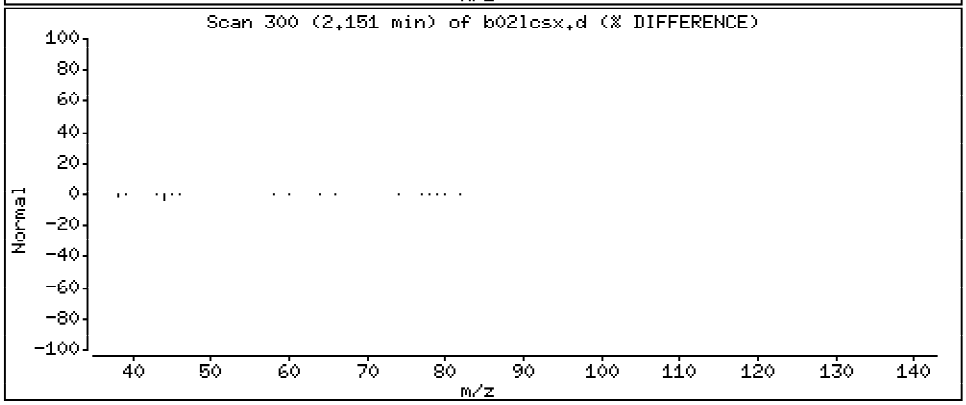












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d Page 19

Date : 15-JAN-2014 12:23

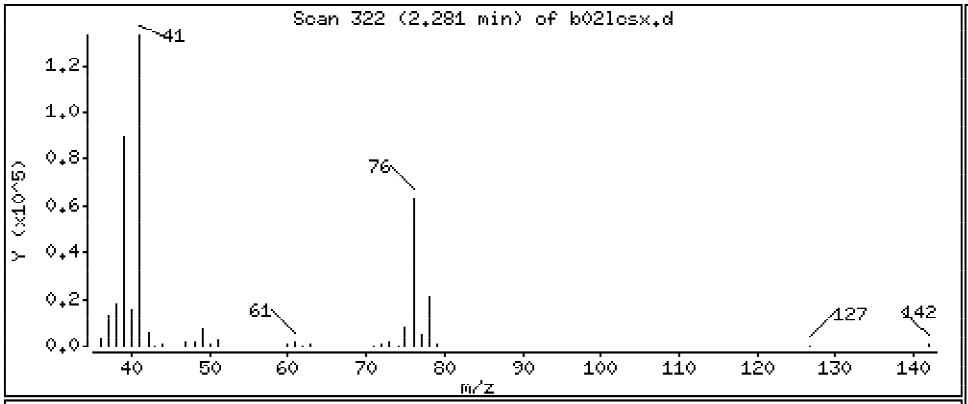
Client ID: 1039438 Instrument: 50mv4b.i

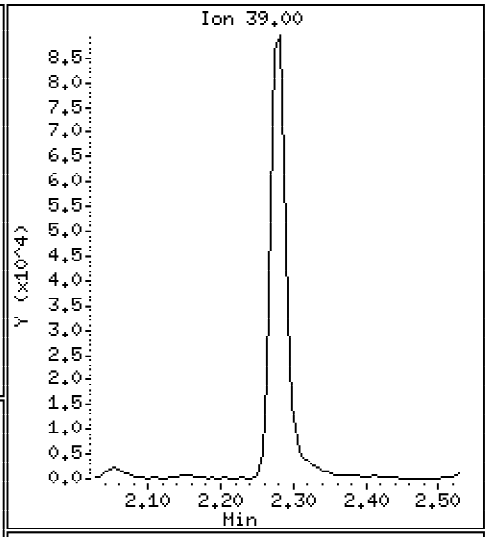
Sample Info: 1039438,59952:5

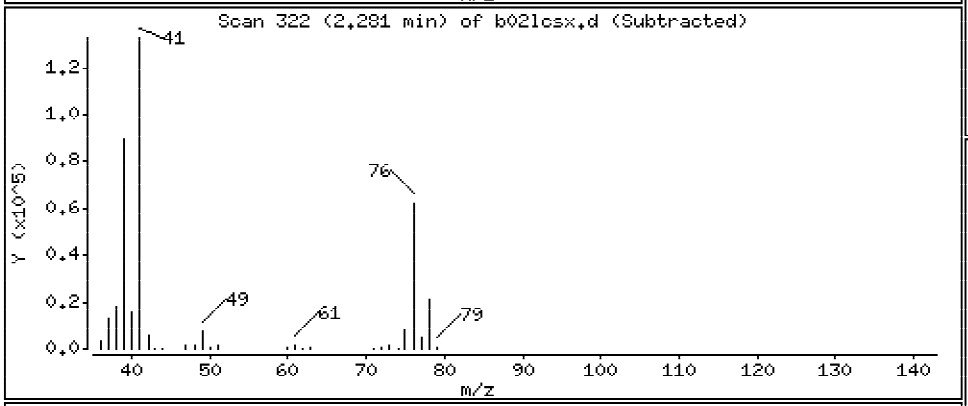
Purge Volume: 5.0 Operator: rsw

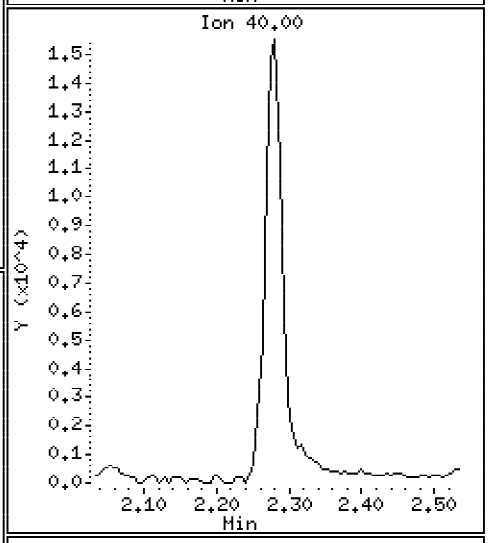
Column phase: DB-624 Column diameter: 0.18

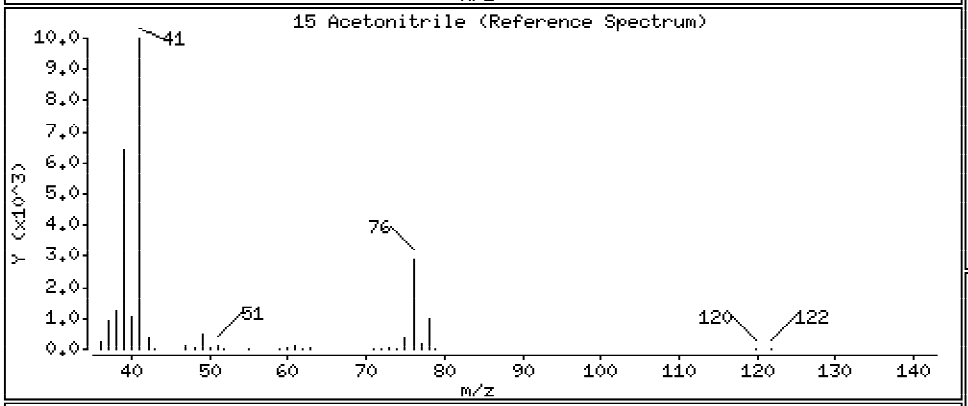
15 Acetonitrile Concentration: 40.3 ppb

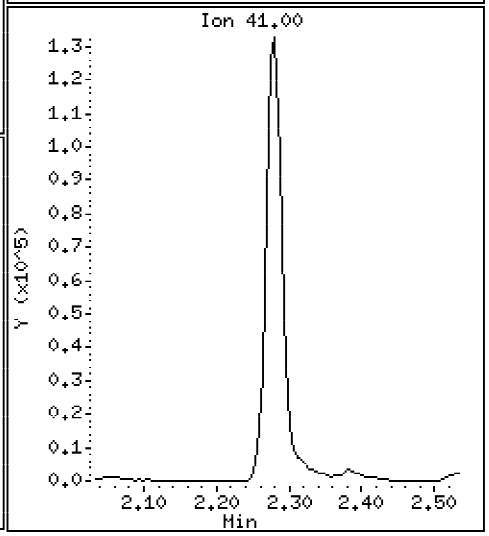


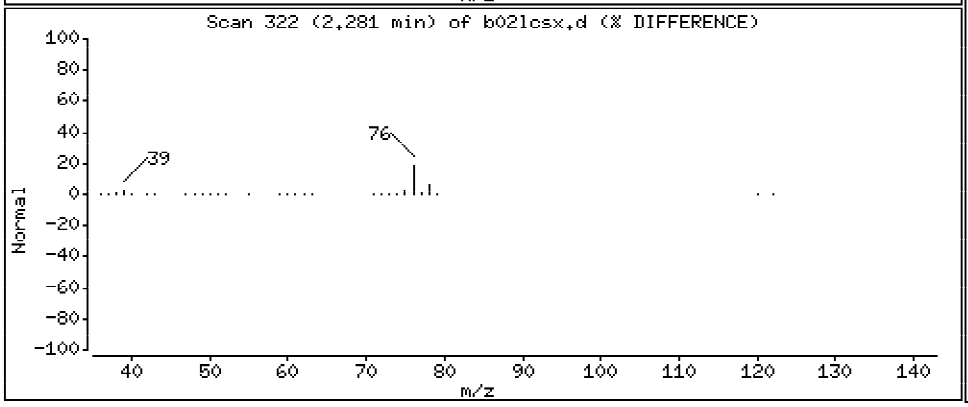












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d Page 20

Date : 15-JAN-2014 12:23

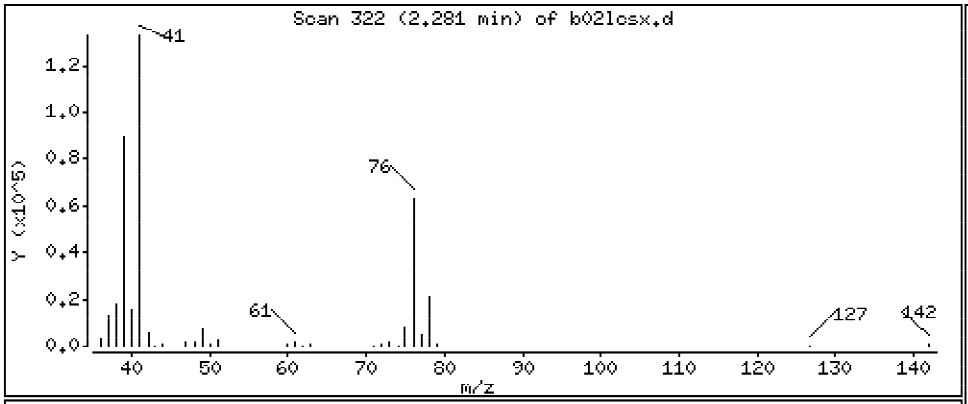
Client ID: 1039438 Instrument: 50mv4b.i

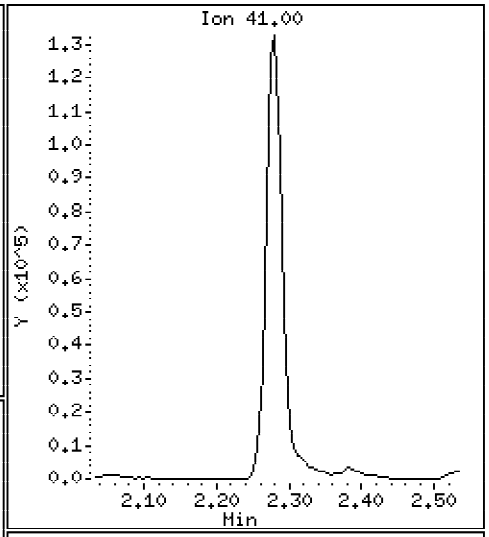
Sample Info: 1039438,59952:5

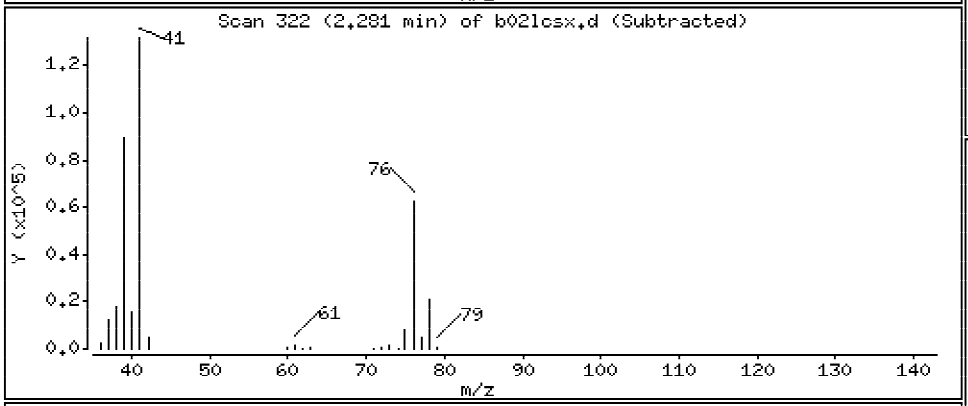
Purge Volume: 5.0 Operator: rsw

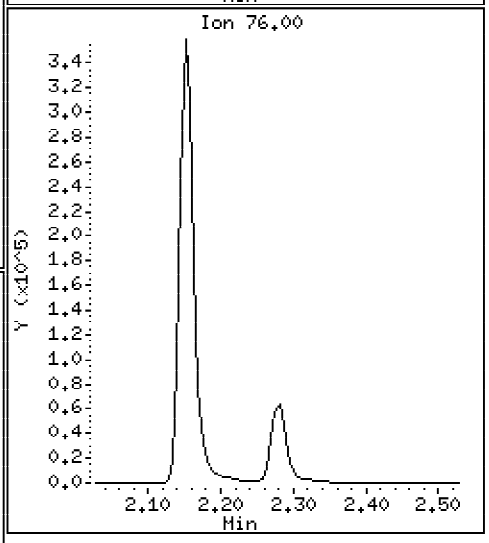
Column phase: DB-624 Column diameter: 0.18

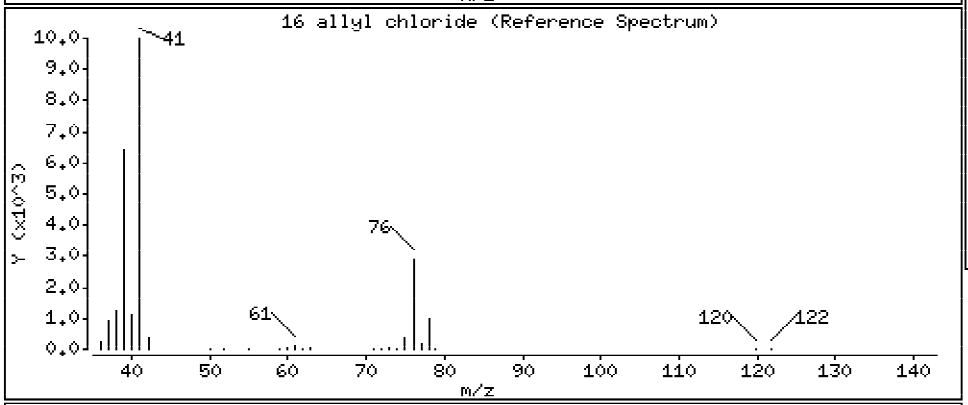
16 allyl chloride Concentration: 86.2 ppb

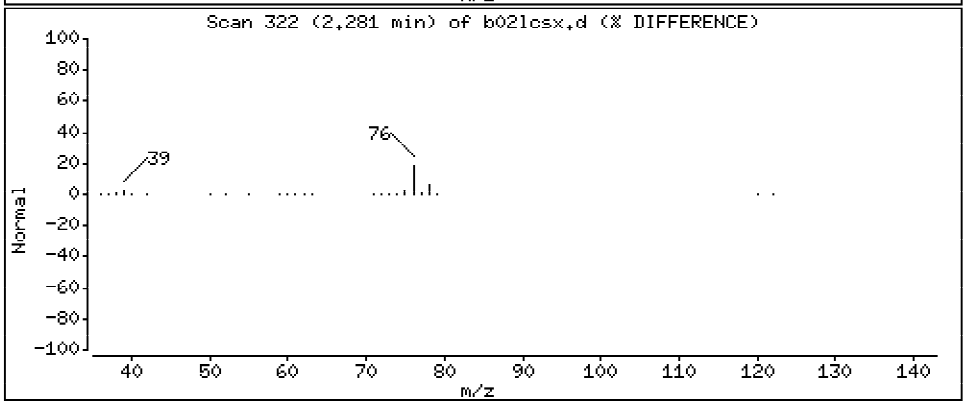












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d Page 21

Date : 15-JAN-2014 12:23

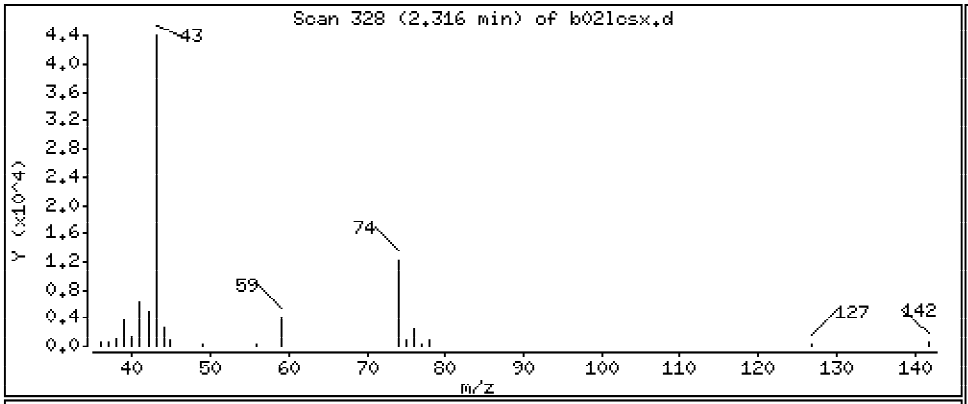
Client ID: 1039438 Instrument: 50mv4b.i

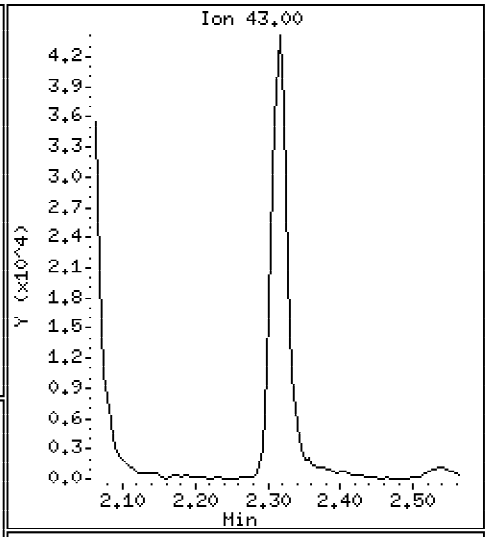
Sample Info: 1039438,59952:5

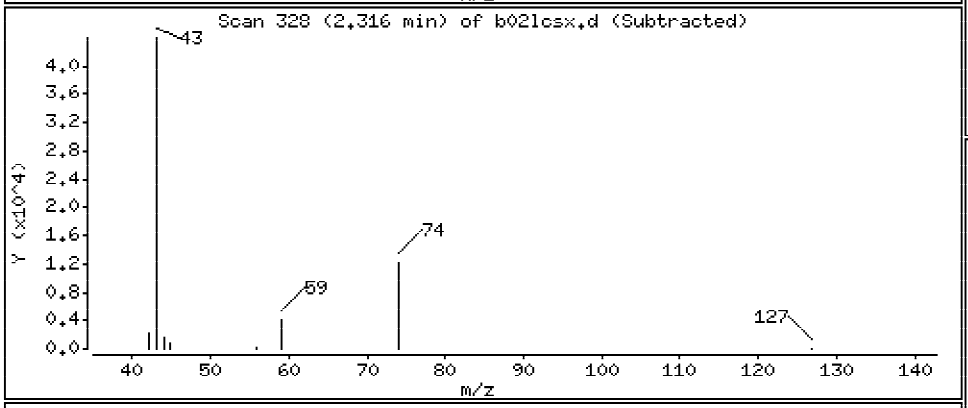
Purge Volume: 5.0 Operator: rsw

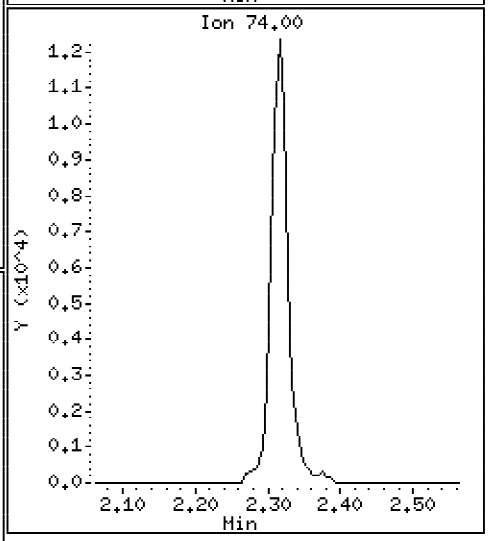
Column phase: DB-624 Column diameter: 0.18

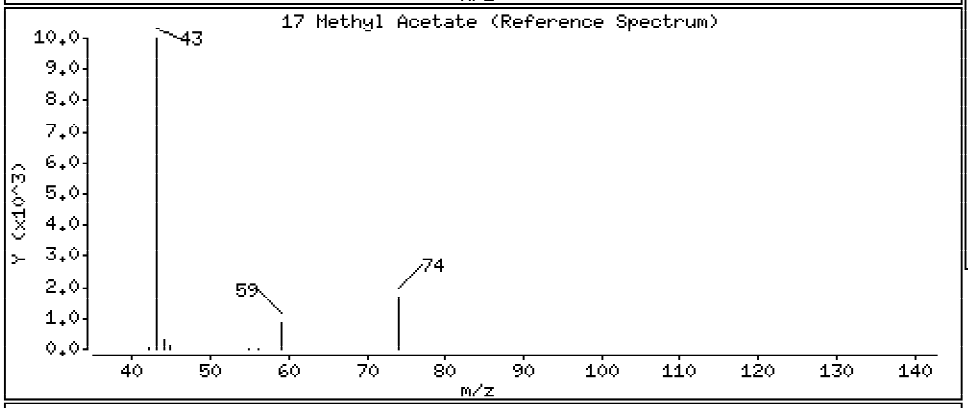
17 Methyl Acetate Concentration: 54.8 ppb

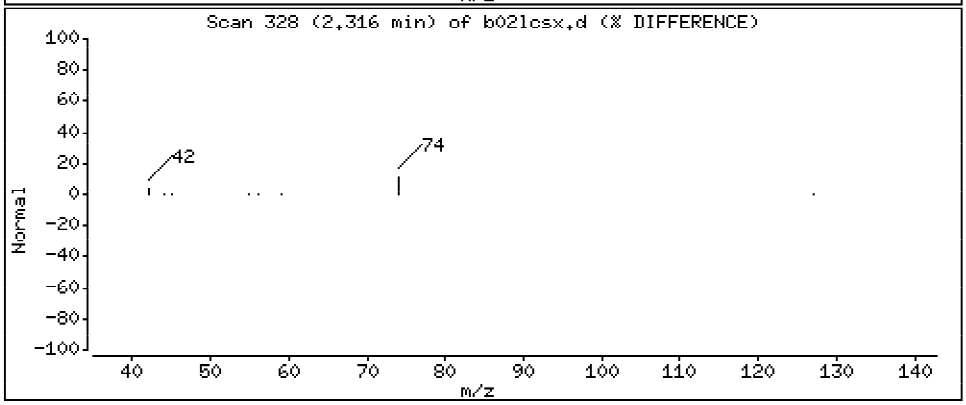












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d Page 22

Date : 15-JAN-2014 12:23

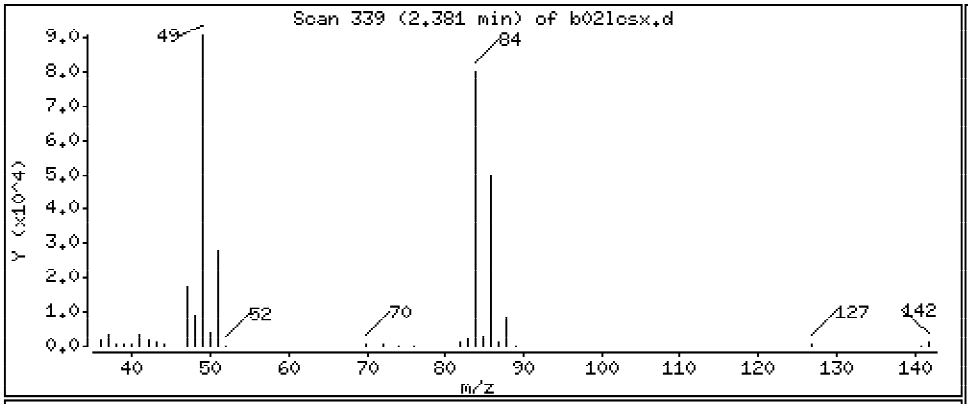
Client ID: 1039438 Instrument: 50mv4b.i

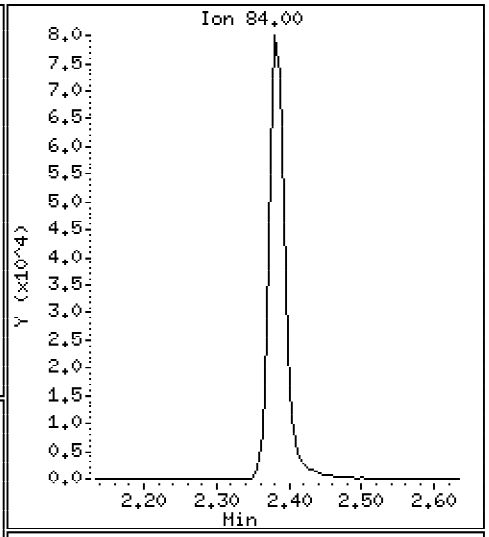
Sample Info: 1039438,59952:5

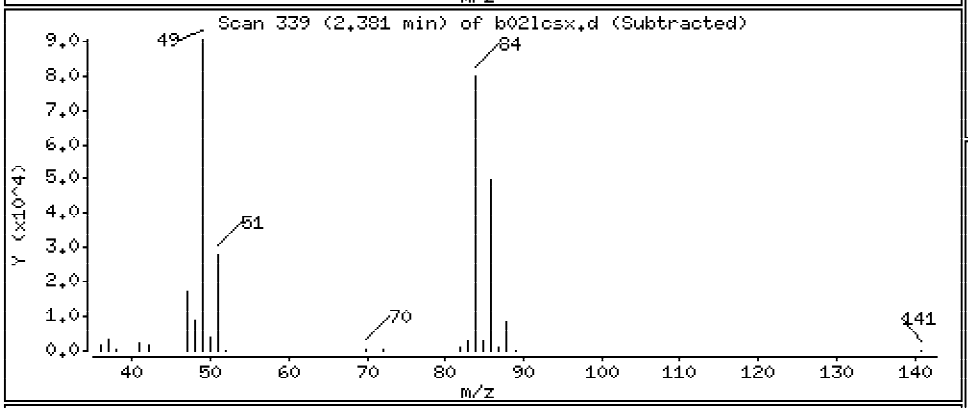
Purge Volume: 5.0 Operator: rsw

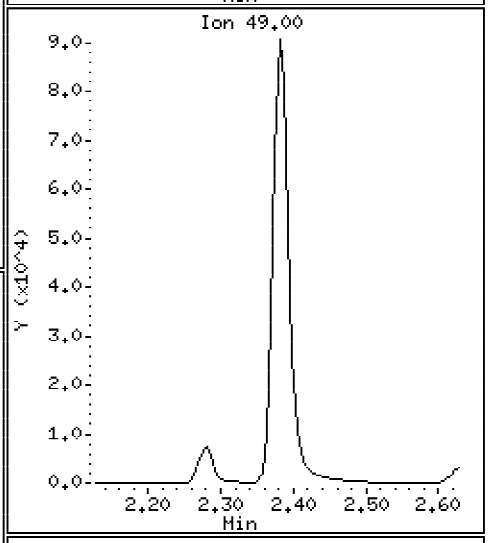
Column phase: DB-624 Column diameter: 0.18

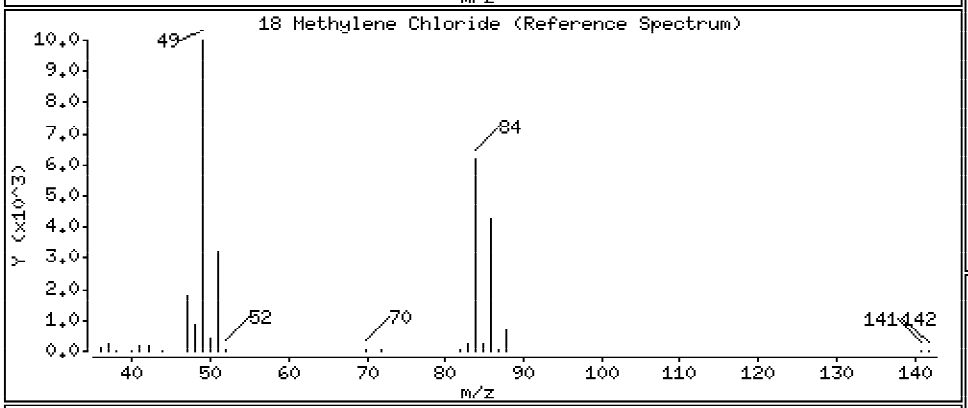
18 Methylene Chloride Concentration: 57.9 ppb

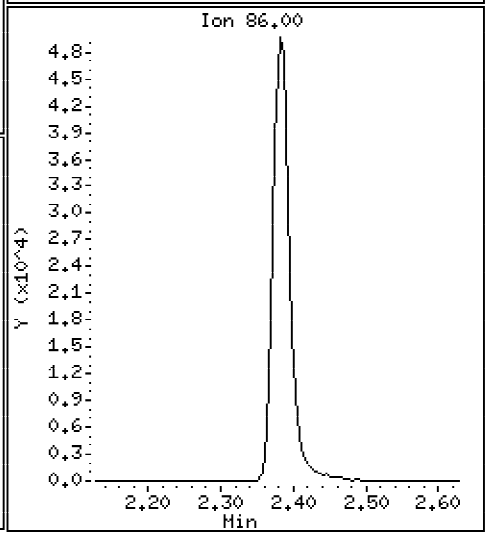


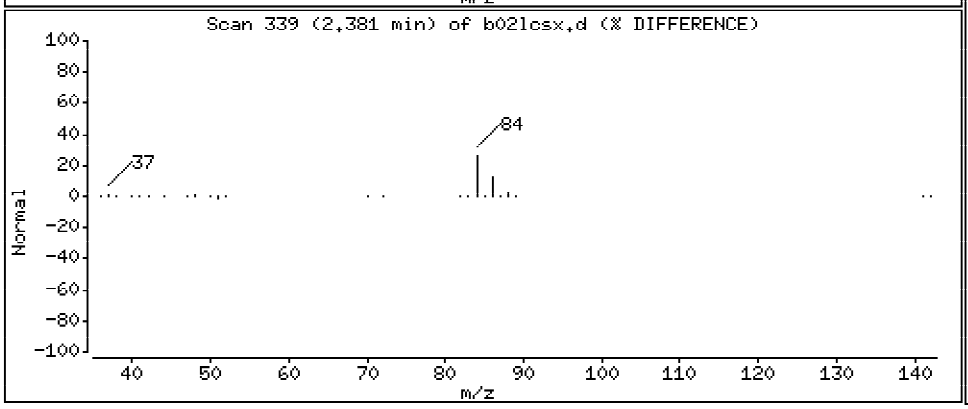












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d Page 23

Date : 15-JAN-2014 12:23

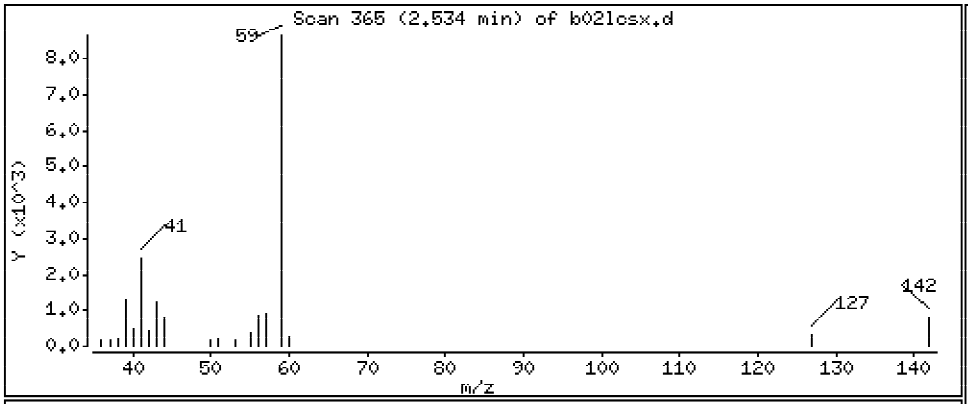
Client ID: 1039438 Instrument: 50mv4b.i

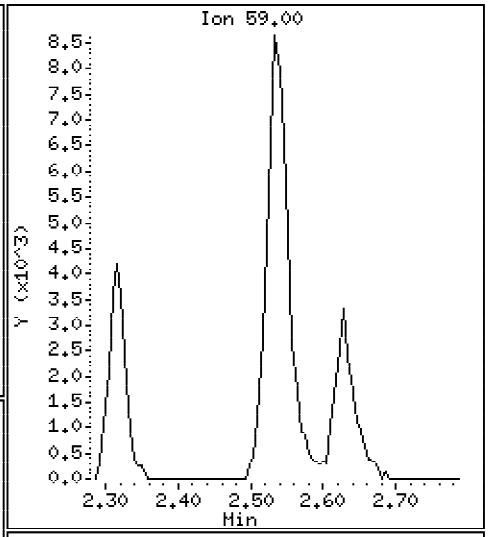
Sample Info: 1039438,59952:5

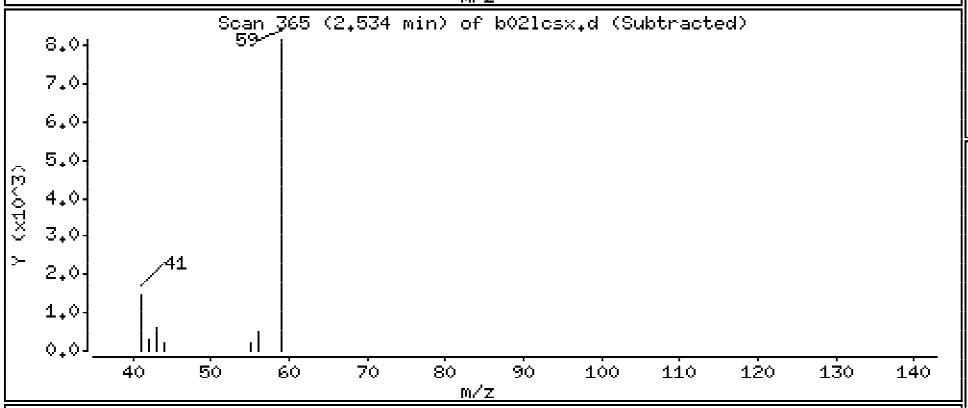
Purge Volume: 5.0 Operator: rsw

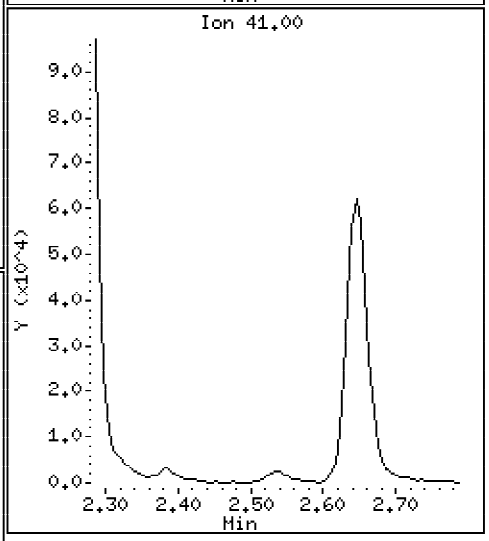
Column phase: DB-624 Column diameter: 0.18

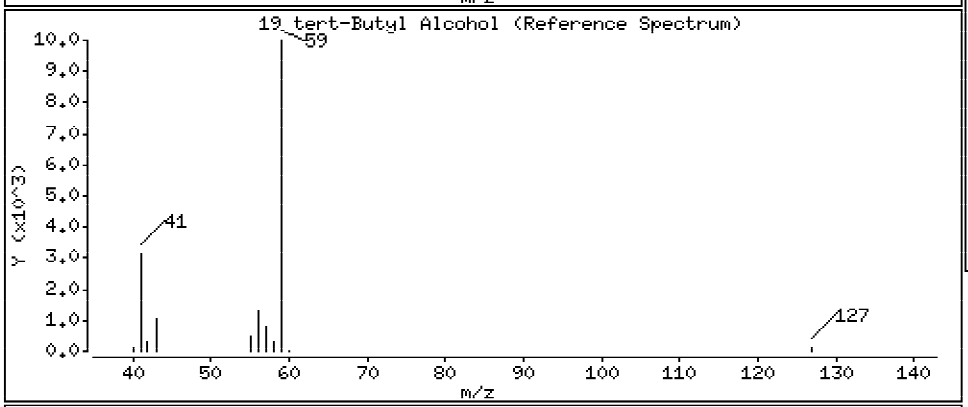
19 tert-Butyl Alcohol Concentration: 80.5 ppb

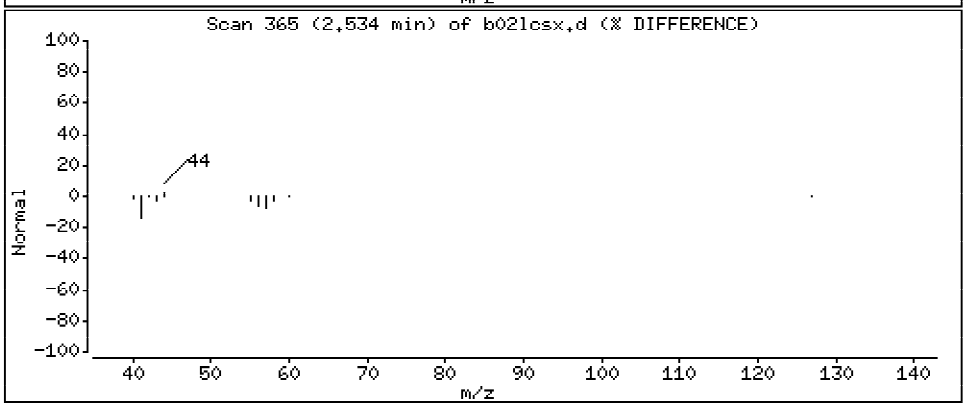












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d Page 24

Date : 15-JAN-2014 12:23

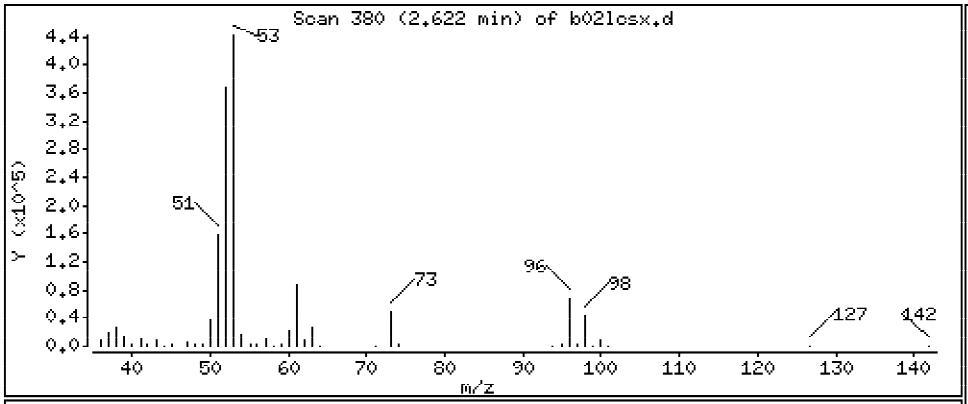
Client ID: 1039438 Instrument: 50mv4b.i

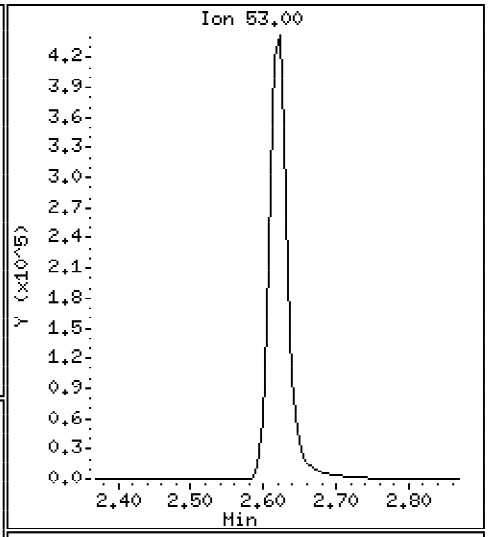
Sample Info: 1039438,59952:5

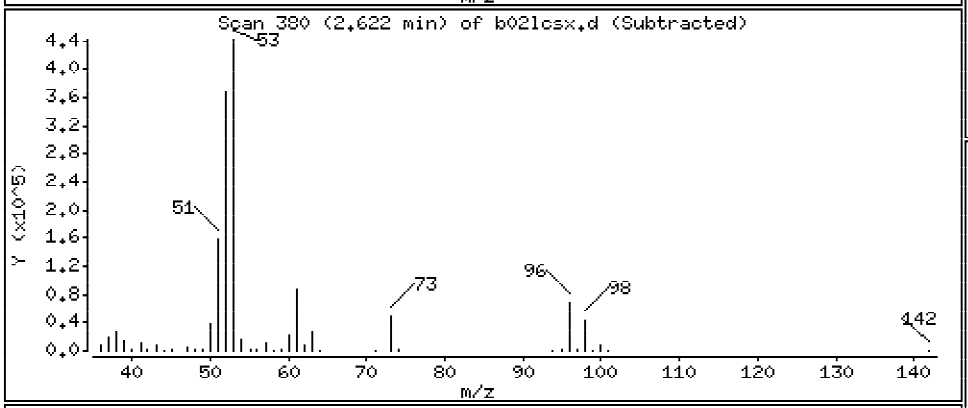
Purge Volume: 5.0 Operator: rsw

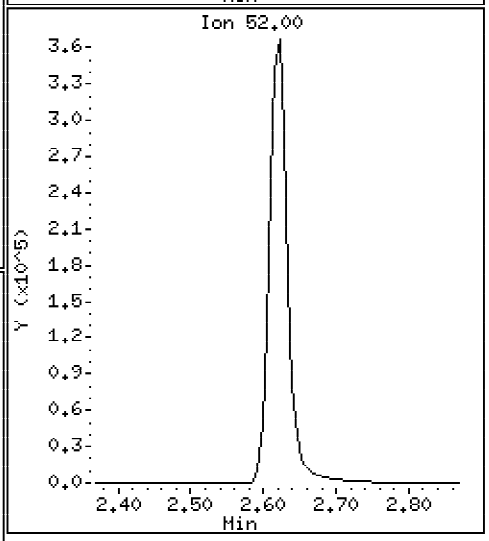
Column phase: DB-624 Column diameter: 0.18

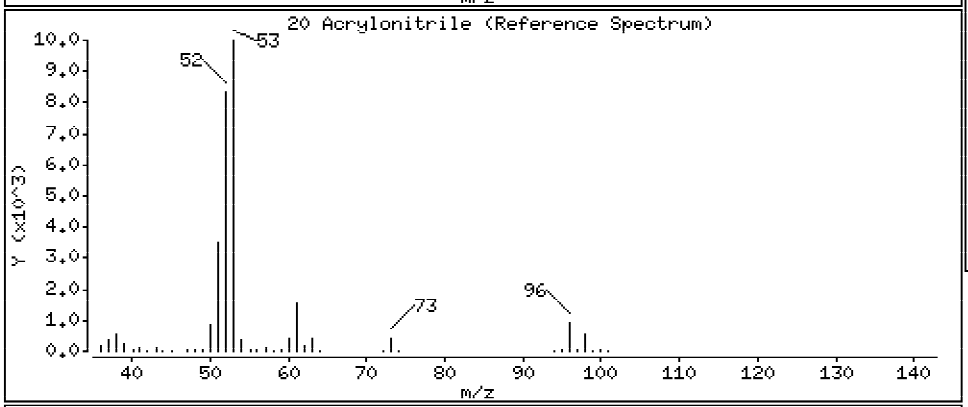
20 Acrylonitrile Concentration: 996 ppb

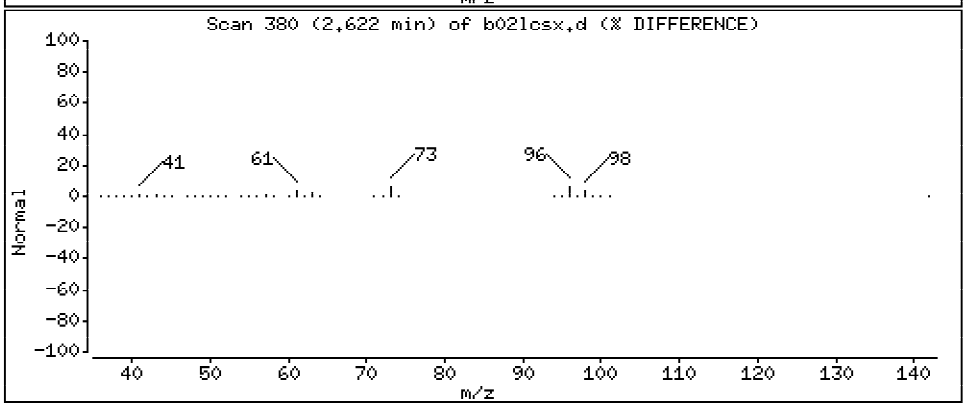












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d Page 25

Date : 15-JAN-2014 12:23

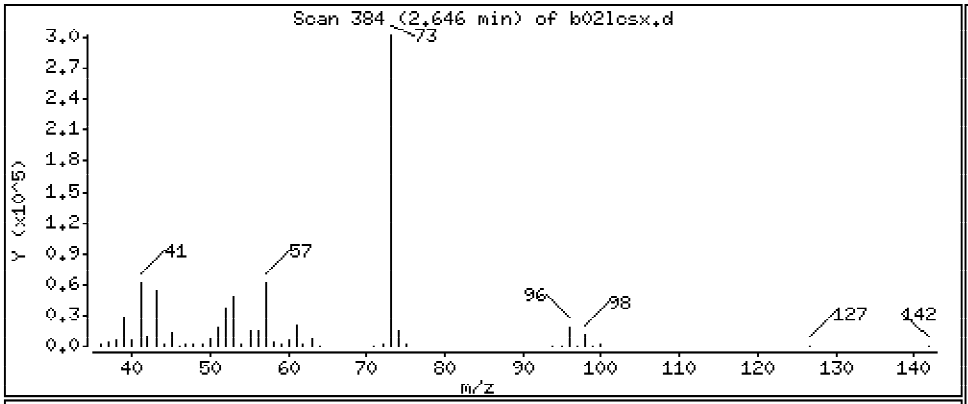
Client ID: 1039438 Instrument: 50mv4b.i

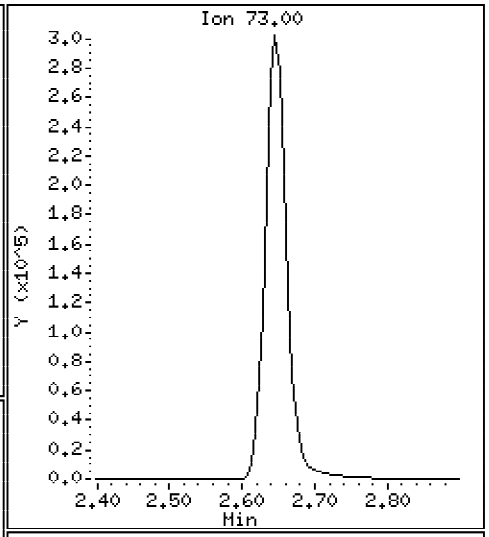
Sample Info: 1039438,59952:5

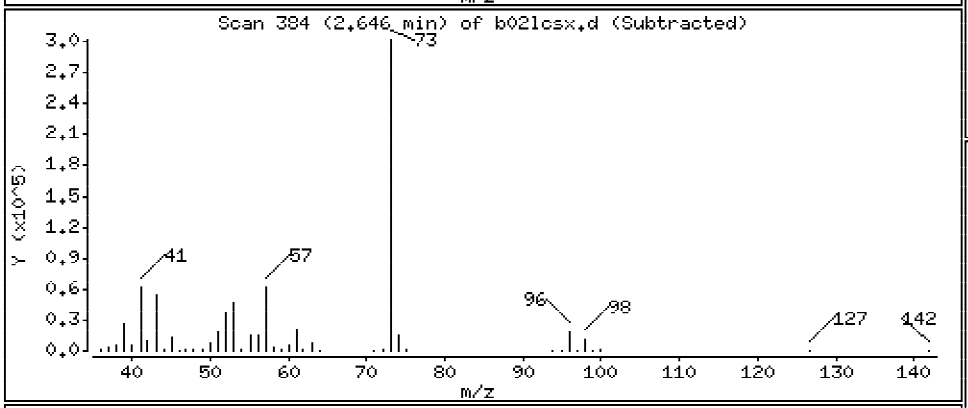
Purge Volume: 5.0 Operator: rsw

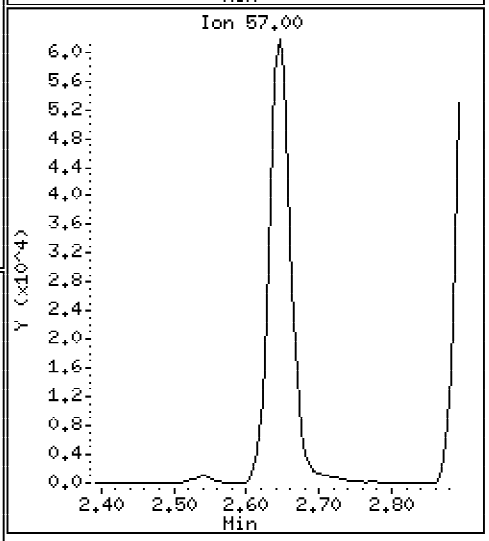
Column phase: DB-624 Column diameter: 0.18

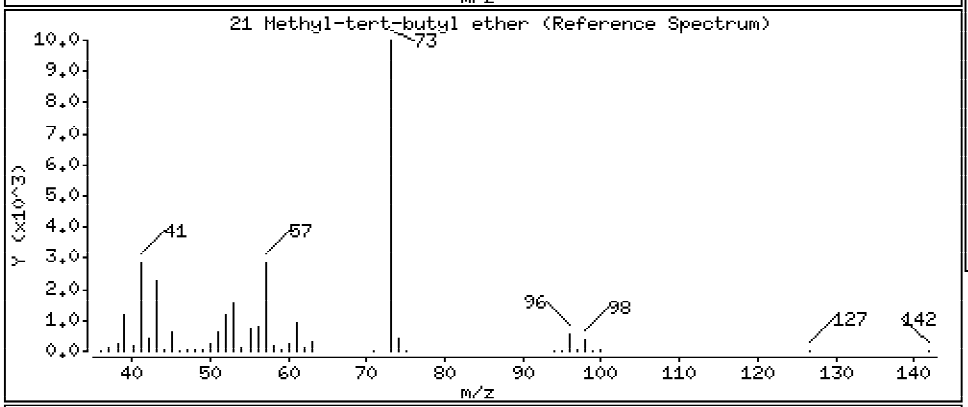
21 Methyl-tert-butyl ether Concentration: 91.0 ppb

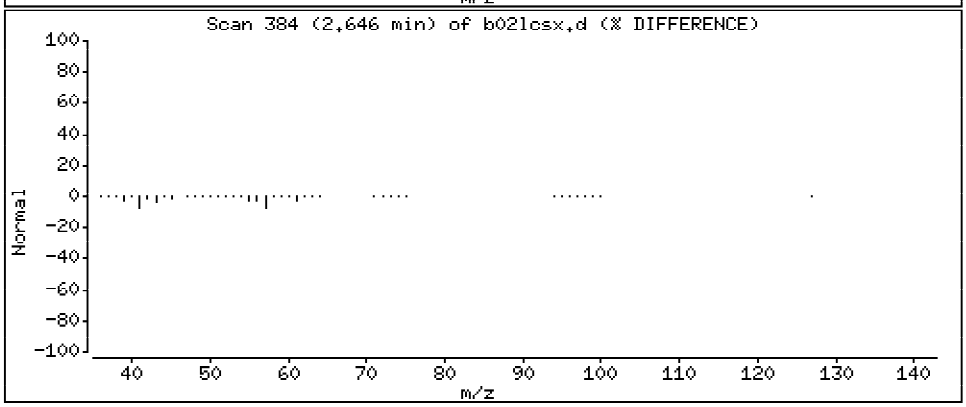












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d Page 26

Date : 15-JAN-2014 12:23

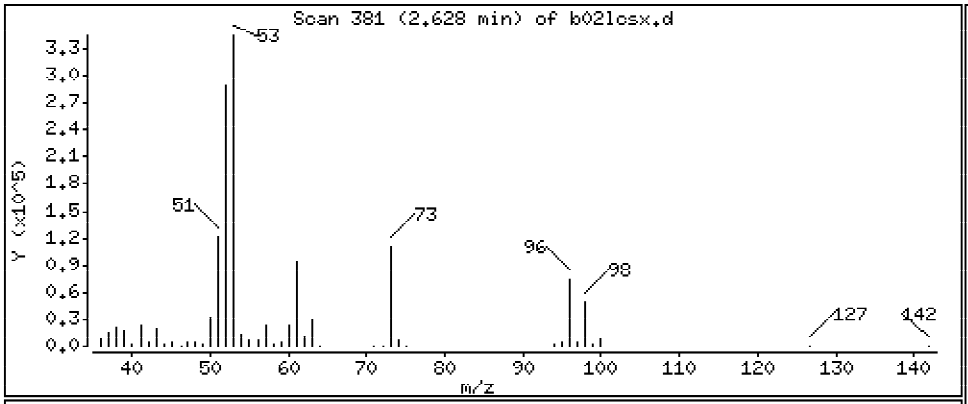
Client ID: 1039438 Instrument: 50mv4b.i

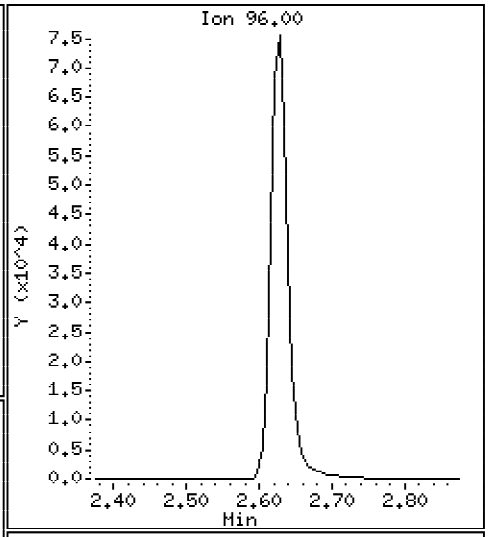
Sample Info: 1039438,59952:5

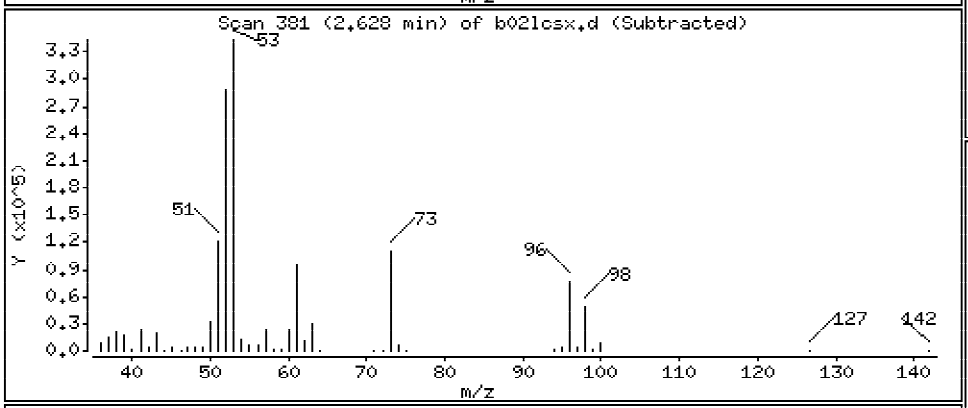
Purge Volume: 5.0 Operator: rsw

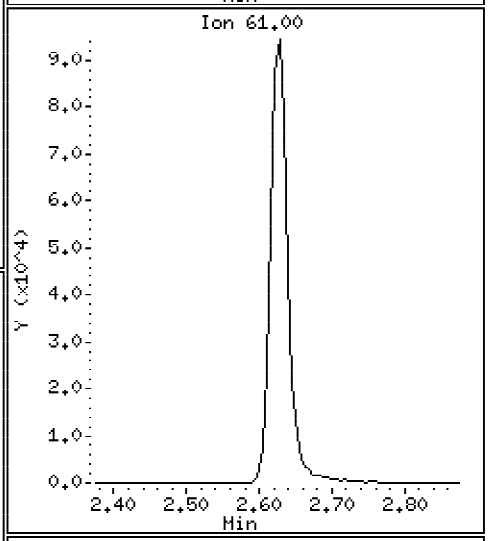
Column phase: DB-624 Column diameter: 0.18

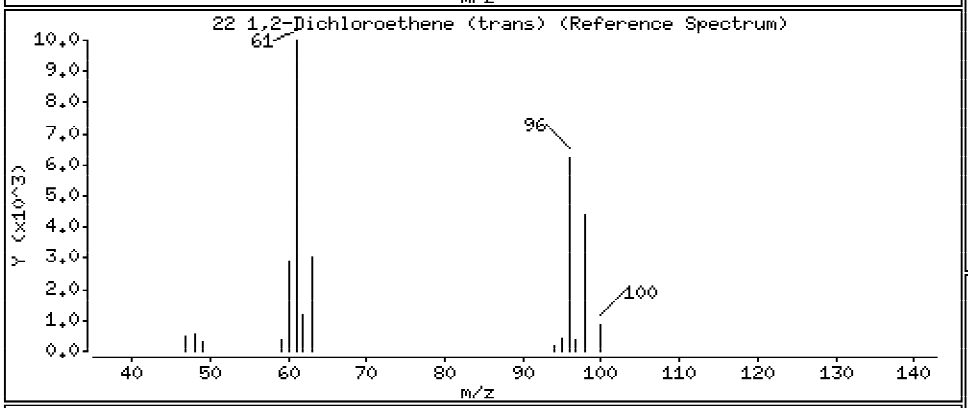
22 1,2-Dichloroethene (trans) Concentration: 47.8 ppb

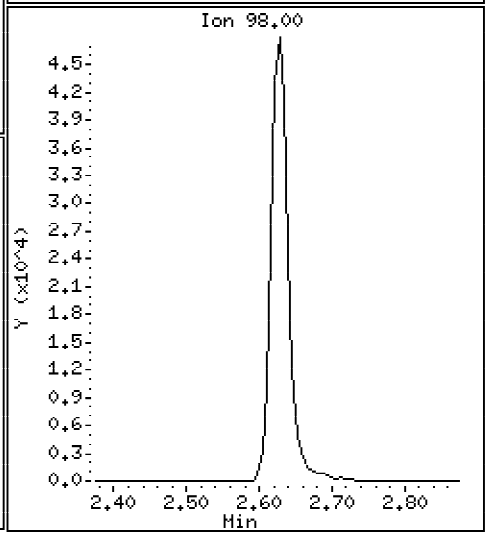


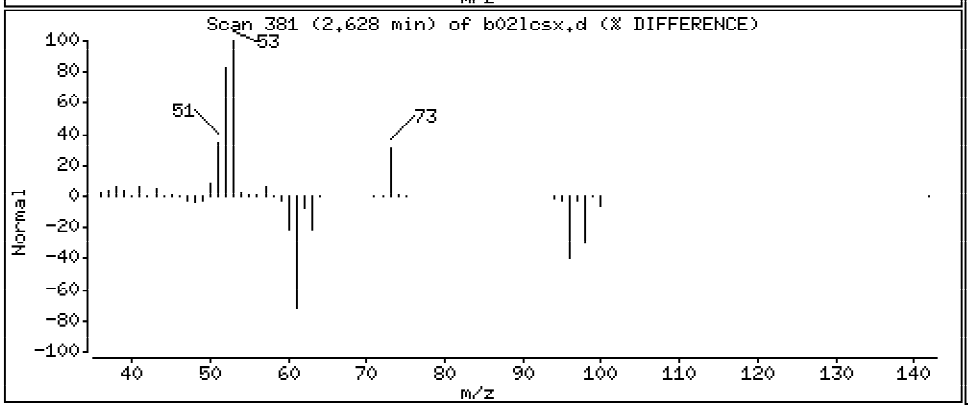












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d Page 27

Date : 15-JAN-2014 12:23

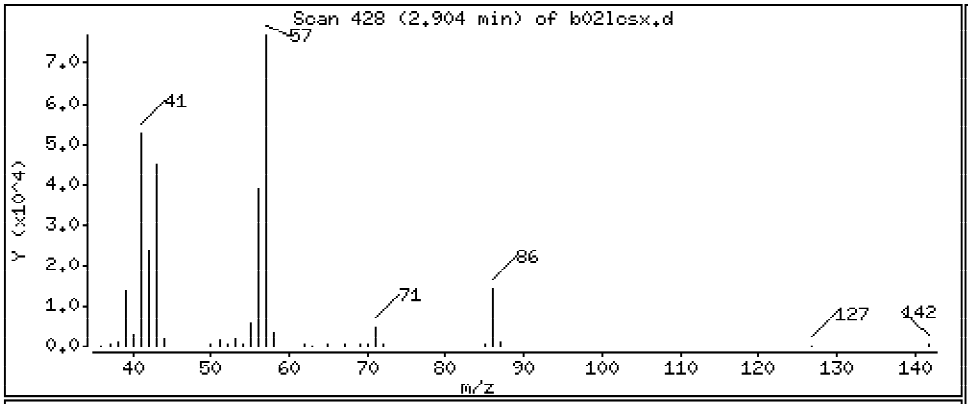
Client ID: 1039438 Instrument: 50mv4b.i

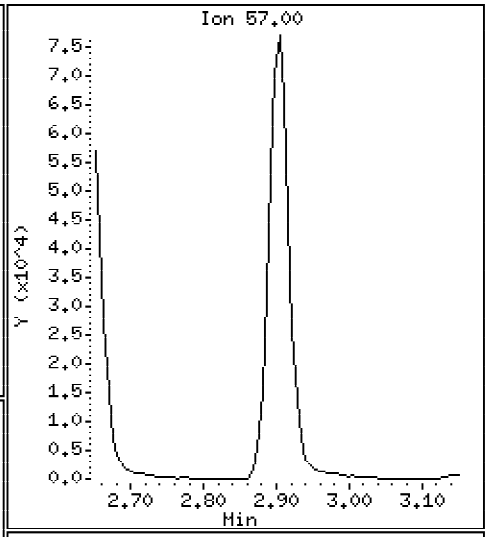
Sample Info: 1039438,59952:5

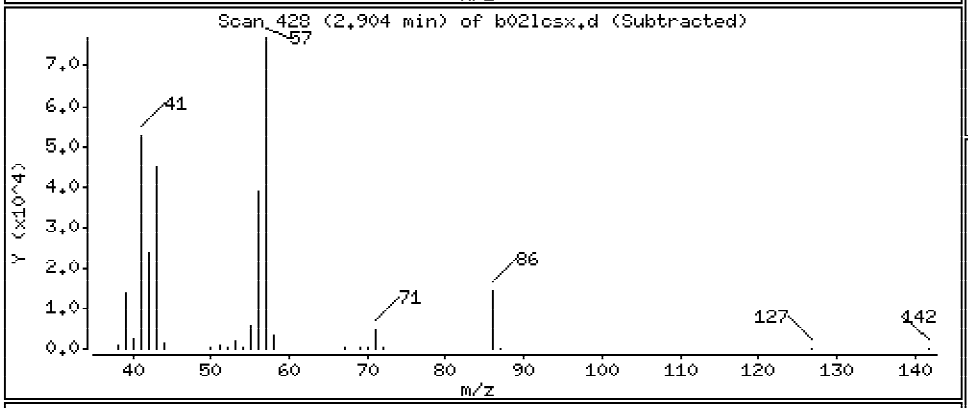
Purge Volume: 5.0 Operator: rsw

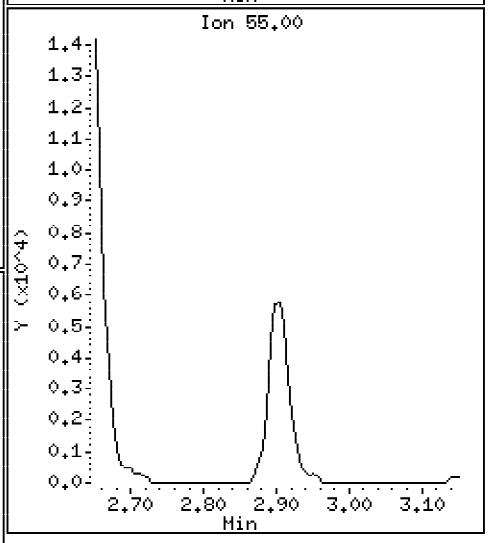
Column phase: DB-624 Column diameter: 0.18

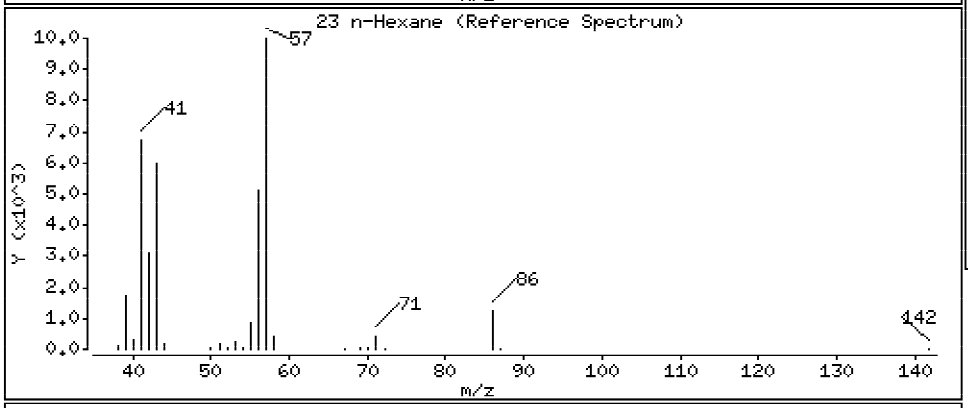
23 n-Hexane Concentration: 46.6 ppb

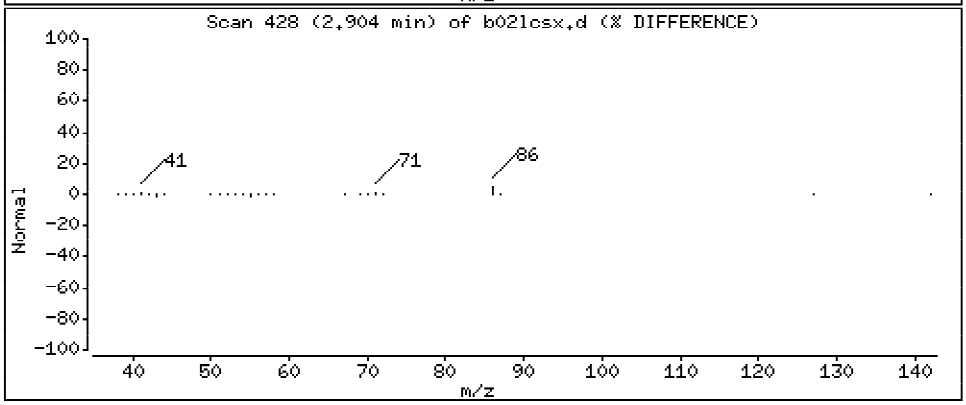












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d Page 28

Date : 15-JAN-2014 12:23

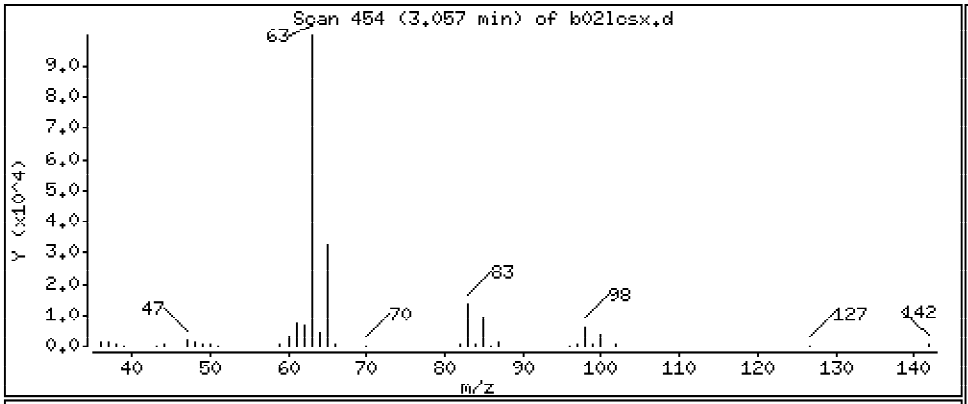
Client ID: 1039438 Instrument: 50mv4b.i

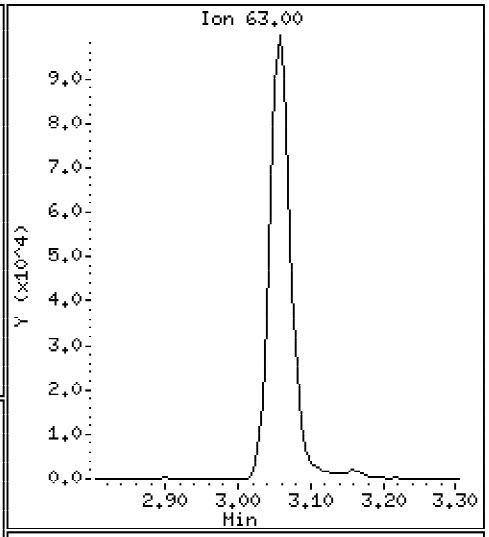
Sample Info: 1039438,59952:5

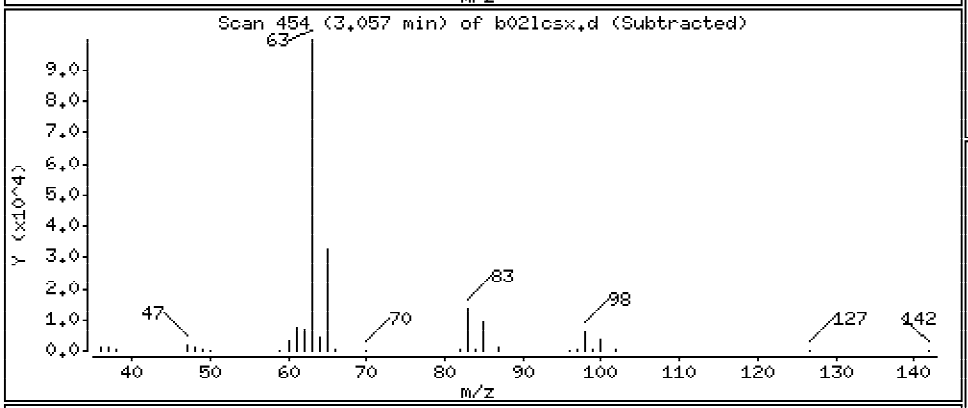
Purge Volume: 5.0 Operator: rsw

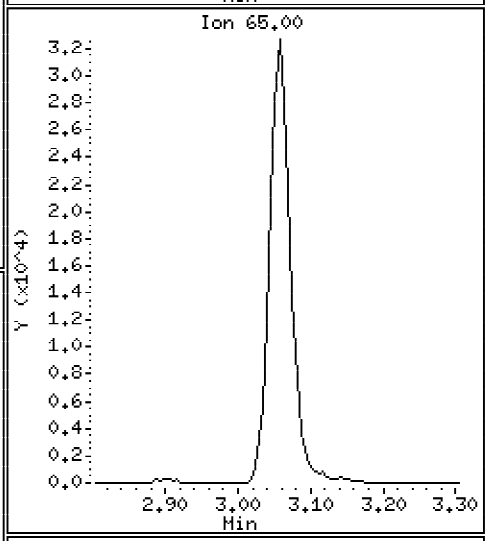
Column phase: DB-624 Column diameter: 0.18

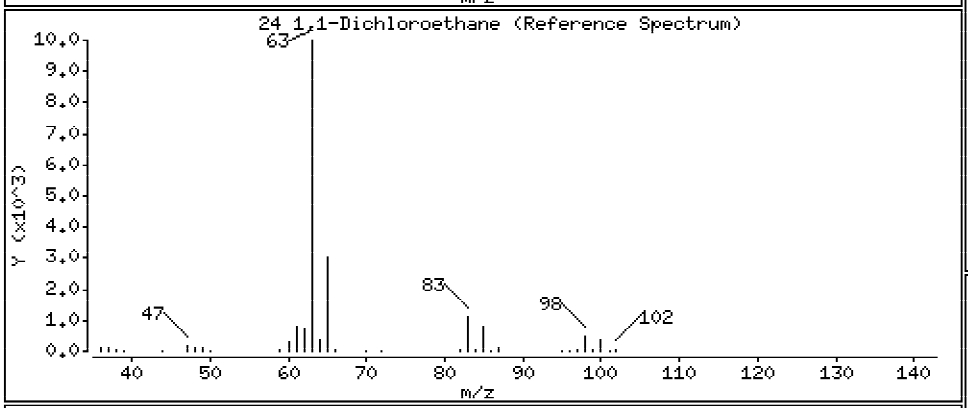
24 1,1-Dichloroethane Concentration: 46.4 ppb

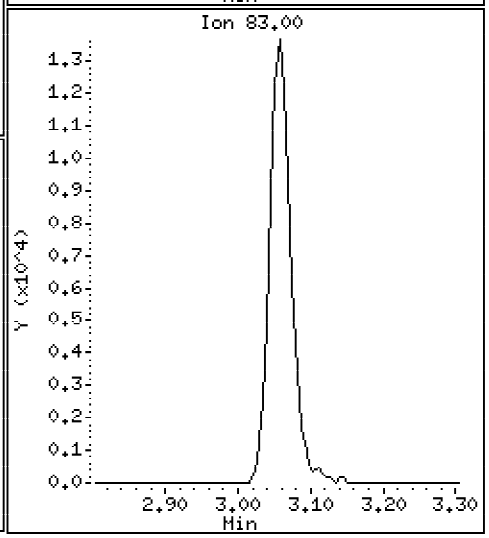


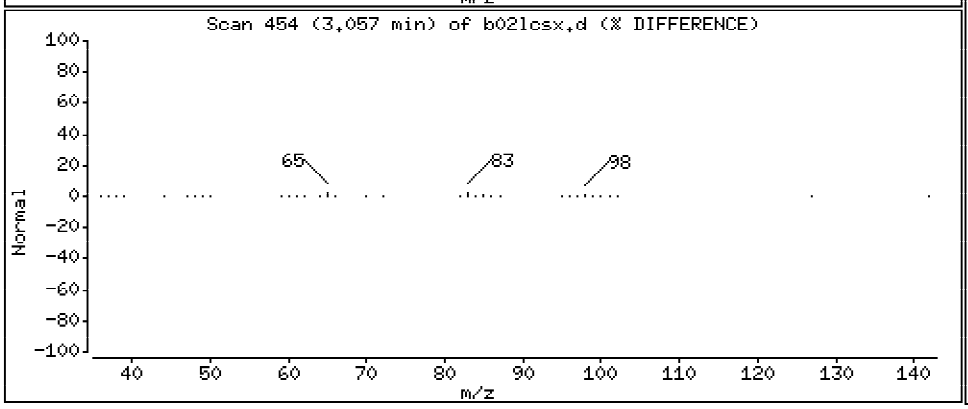












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d

Date : 15-JAN-2014 12:23

Client ID: 1039438

Instrument: 50mv4b.i

Sample Info: 1039438,59952:5

Purge Volume: 5.0

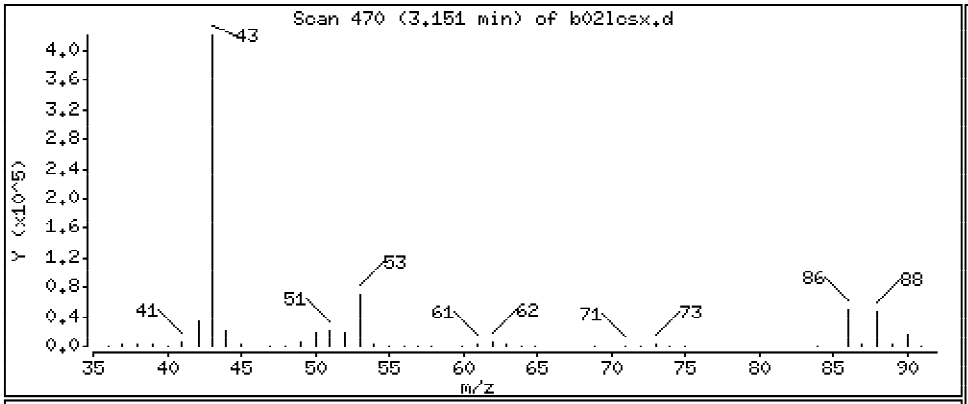
Operator: rsw

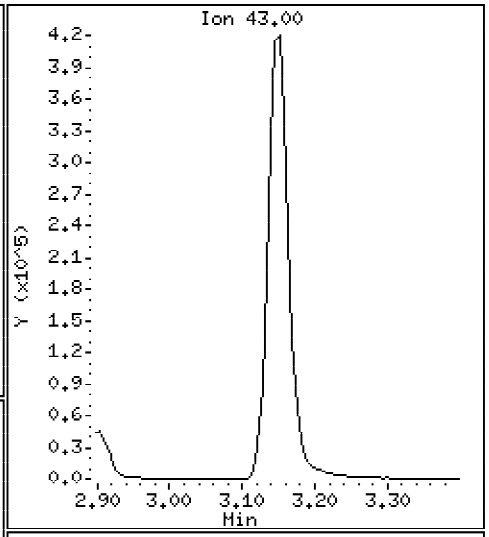
Column phase: DB-624

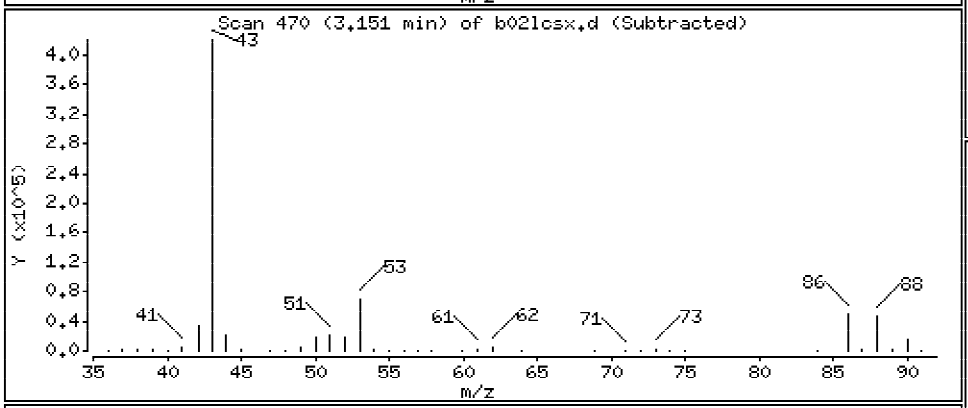
Column diameter: 0.18

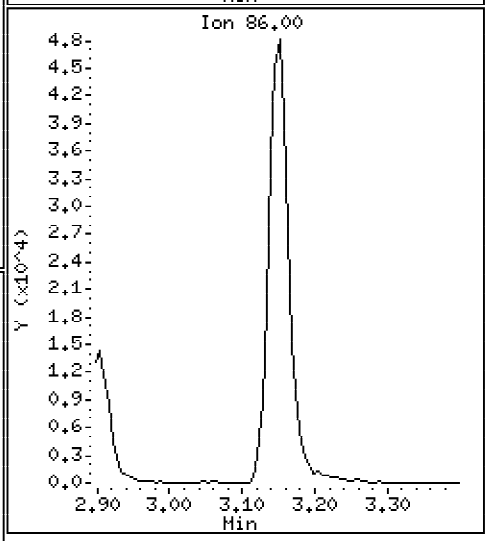
25 Vinyl Acetate

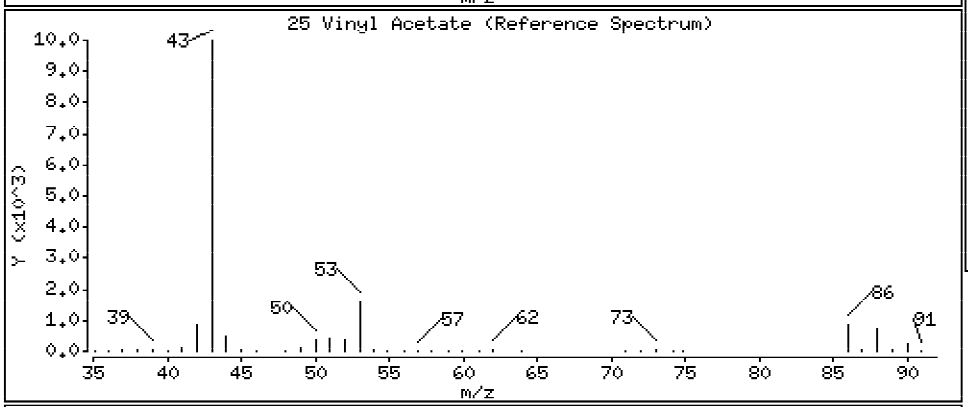
Concentration: 188 ppb

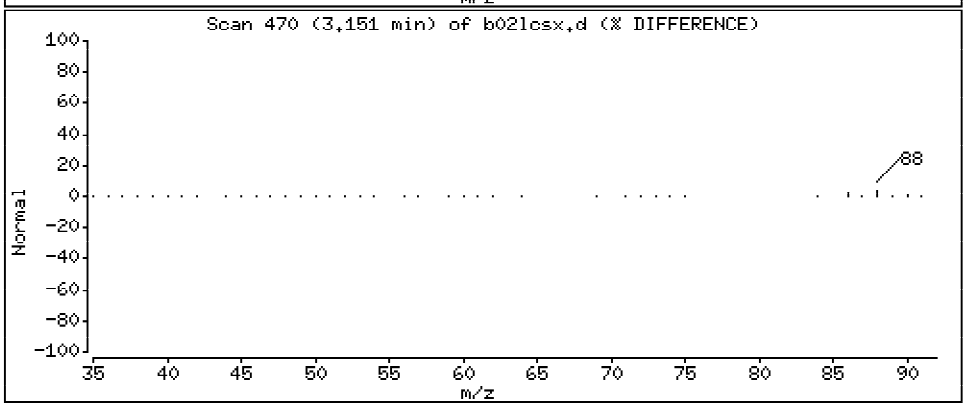












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d

Date : 15-JAN-2014 12:23

Client ID: 1039438

Instrument: 50mv4b.i

Sample Info: 1039438,59952:5

Purge Volume: 5.0

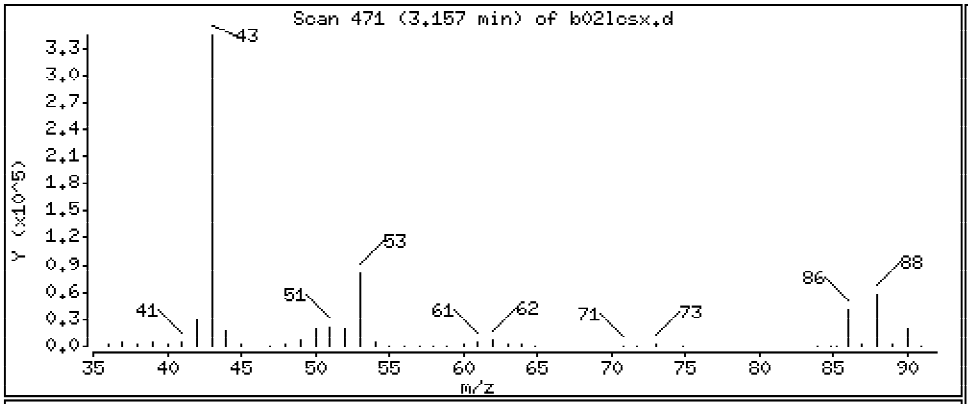
Operator: rsw

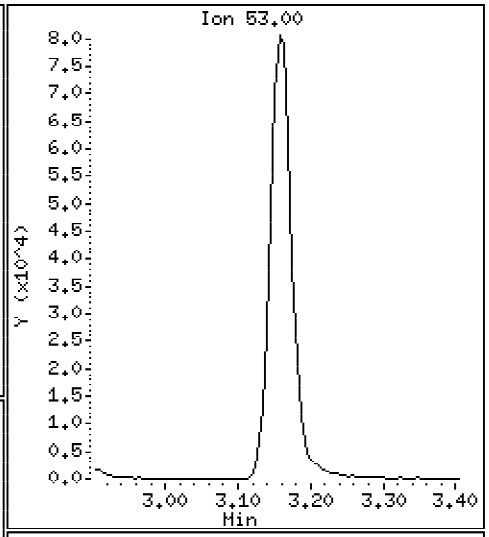
Column phase: DB-624

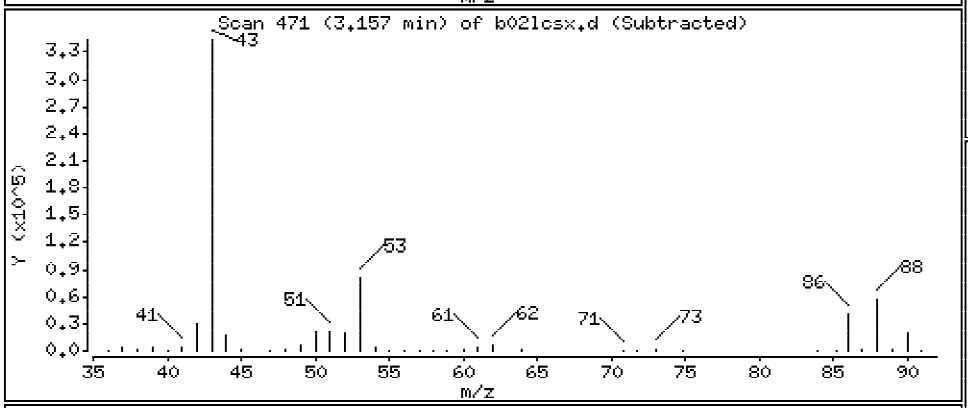
Column diameter: 0.18

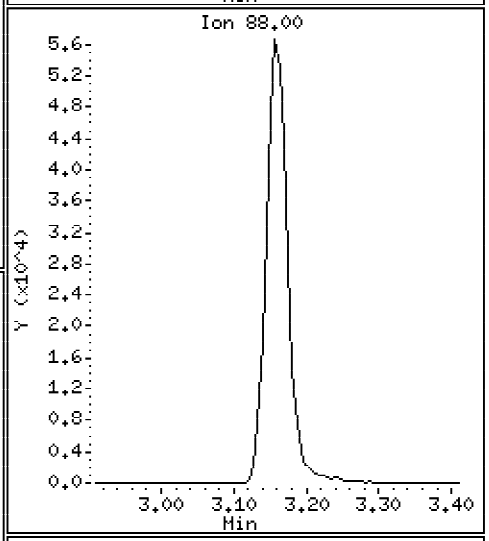
26 chloroprene

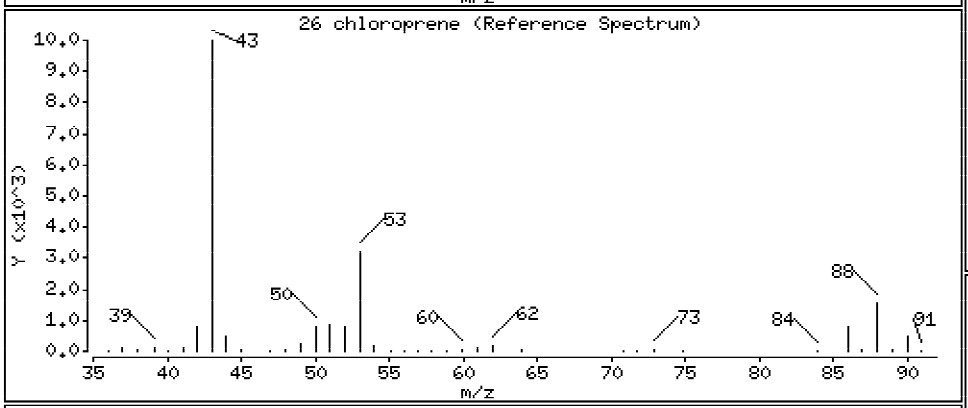
Concentration: 48.0 ppb

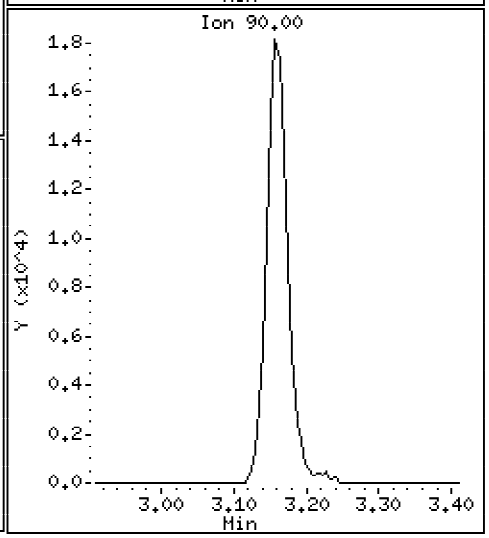


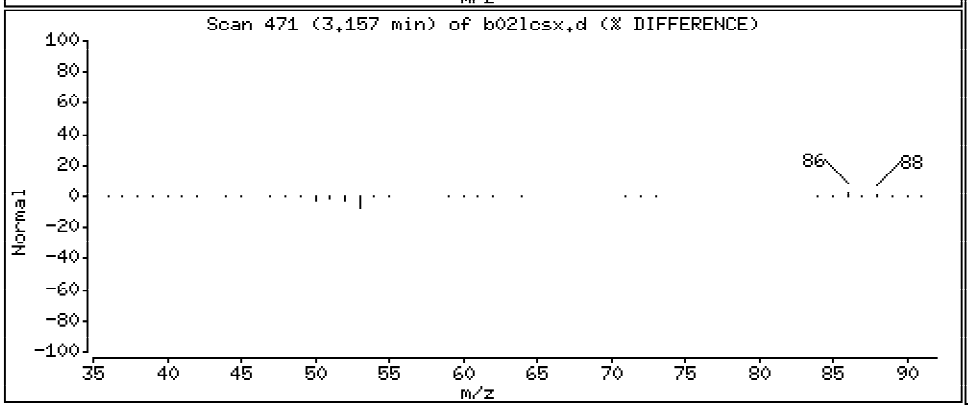












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d Page 31

Date : 15-JAN-2014 12:23

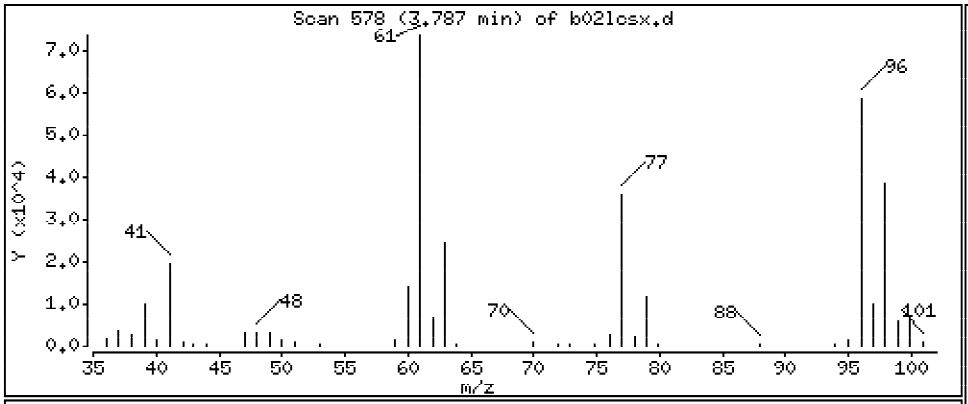
Client ID: 1039438 Instrument: 50mv4b.i

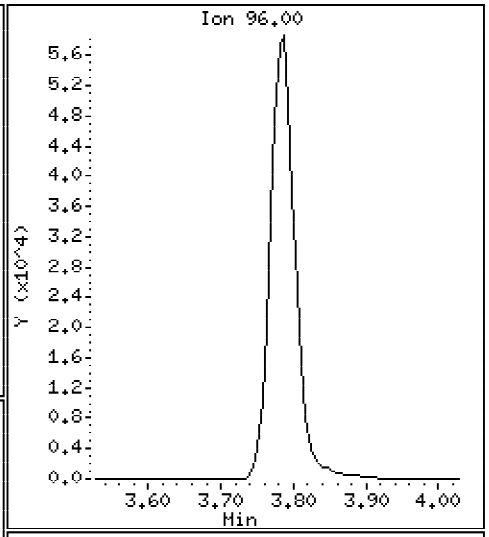
Sample Info: 1039438,59952:5

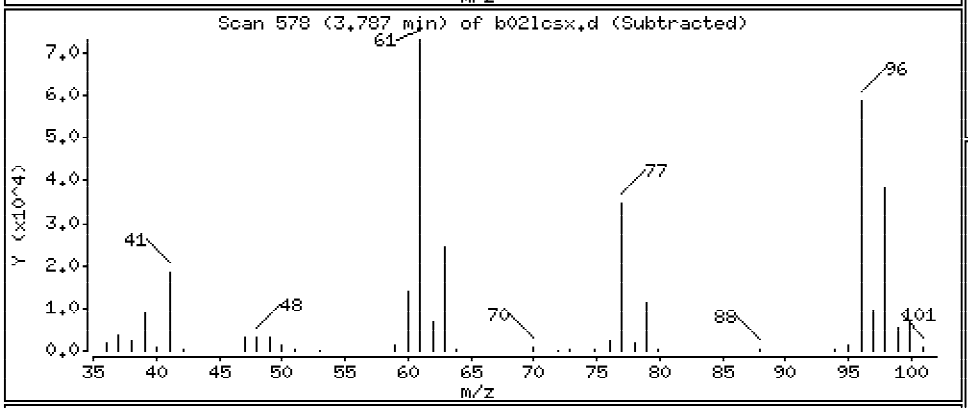
Purge Volume: 5.0 Operator: rsw

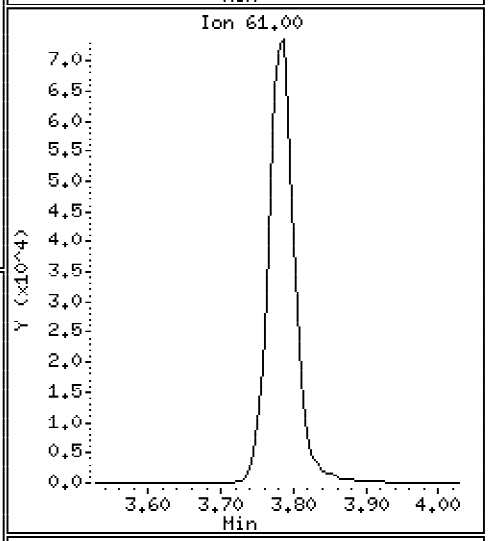
Column phase: DB-624 Column diameter: 0.18

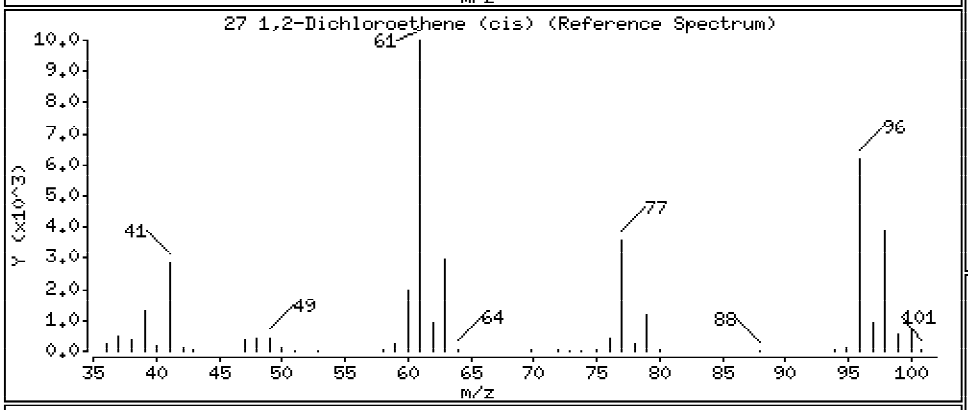
27 1,2-Dichloroethene (cis) Concentration: 45.2 ppb

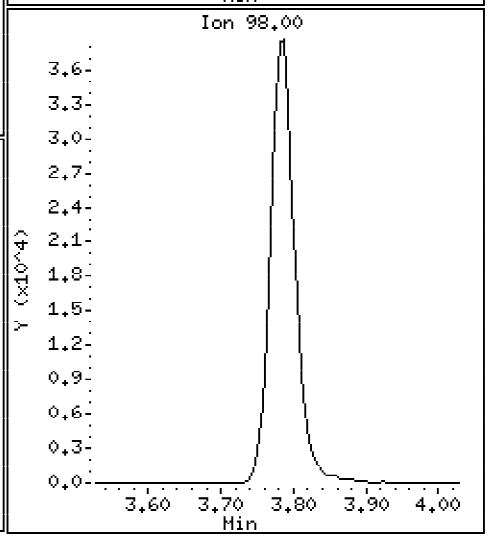


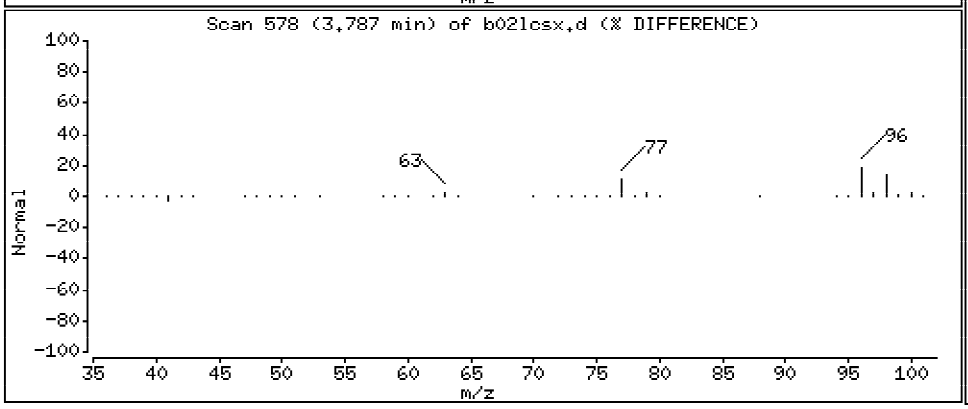












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d Page 32

Date : 15-JAN-2014 12:23

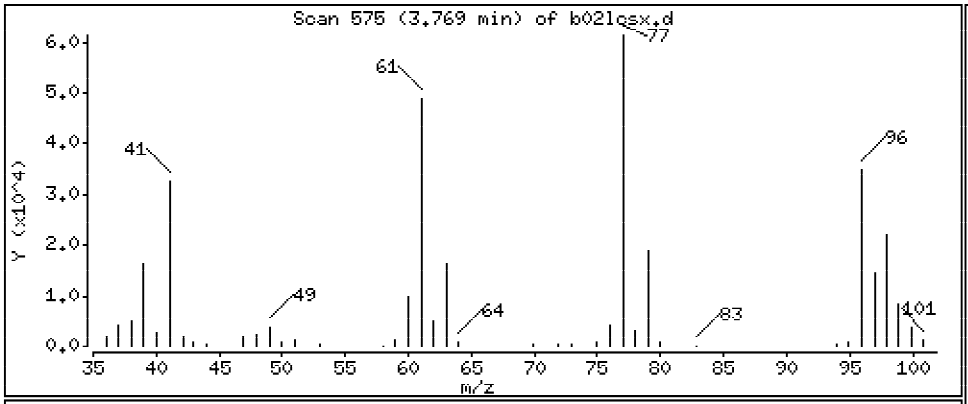
Client ID: 1039438 Instrument: 50mv4b.i

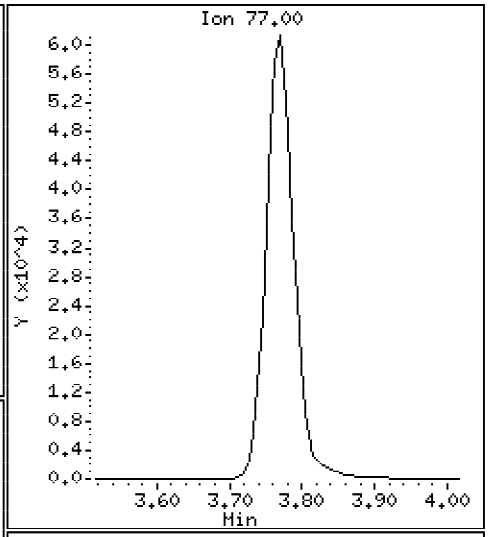
Sample Info: 1039438,59952:5

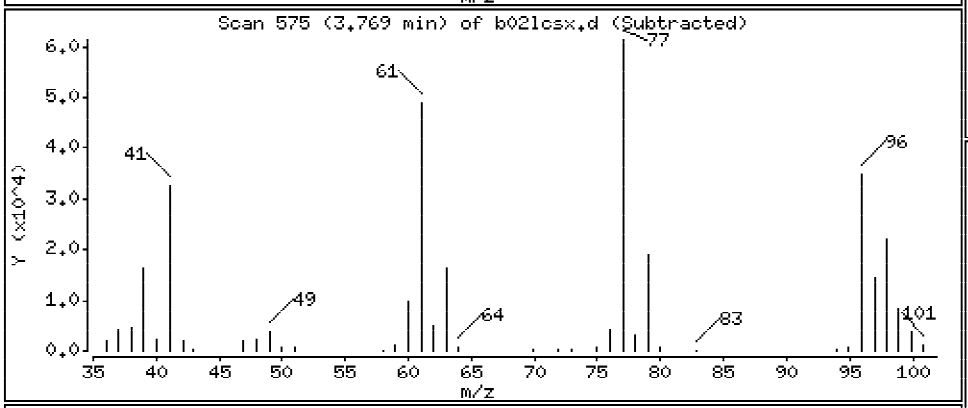
Purge Volume: 5.0 Operator: rsw

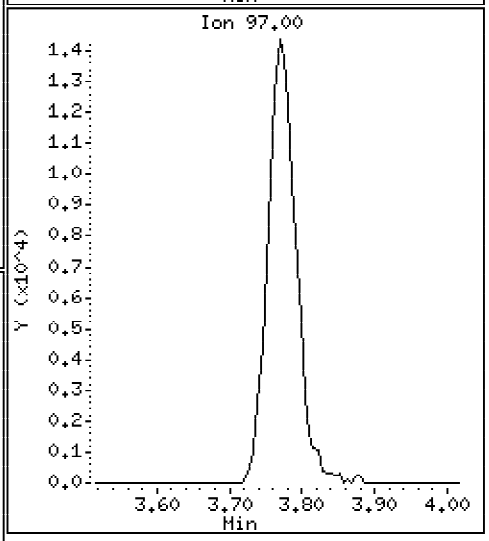
Column phase: DB-624 Column diameter: 0.18

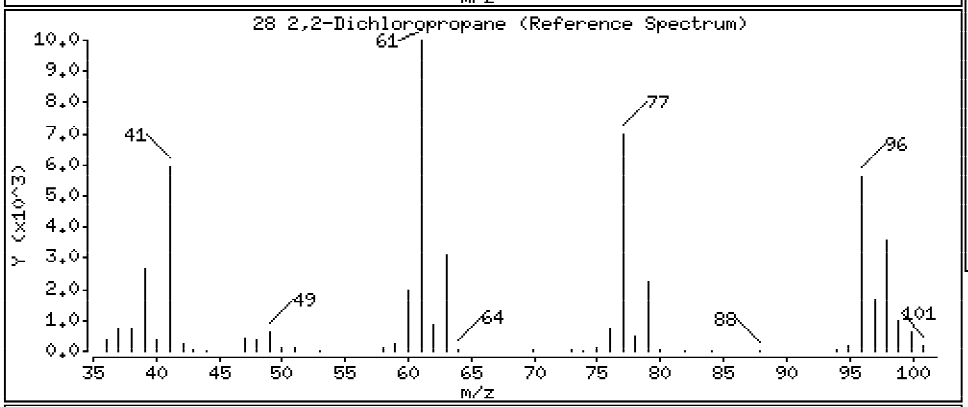
28 2,2-Dichloropropane Concentration: 48.6 ppb

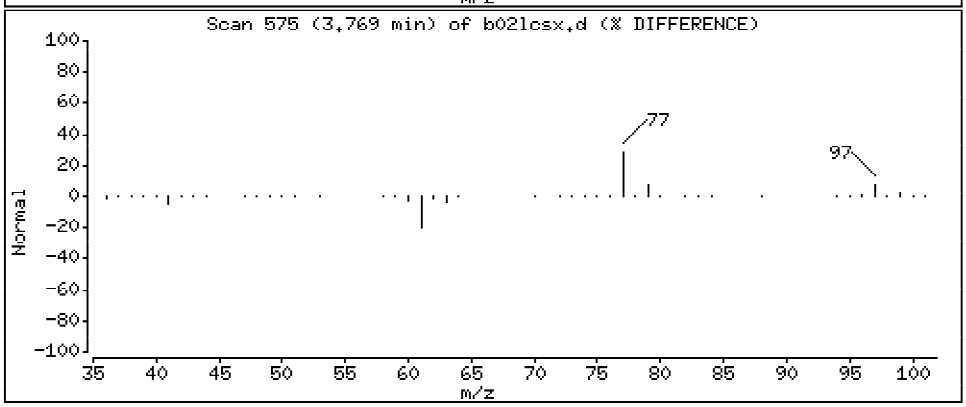












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d Page 33

Date : 15-JAN-2014 12:23

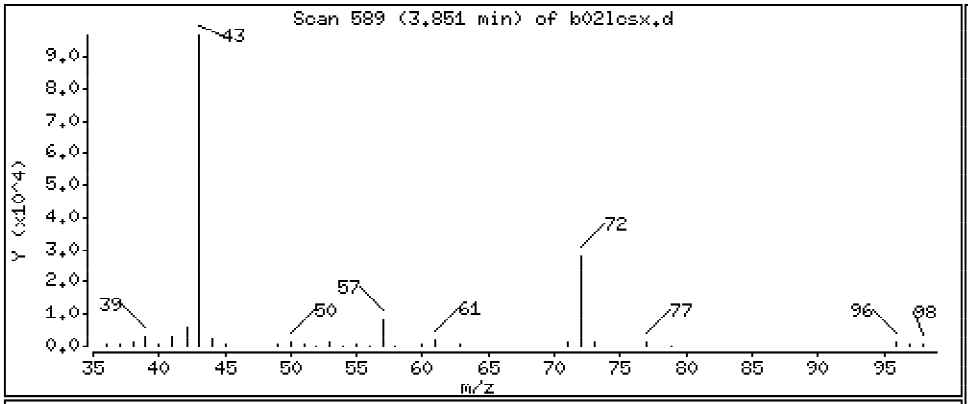
Client ID: 1039438 Instrument: 50mv4b.i

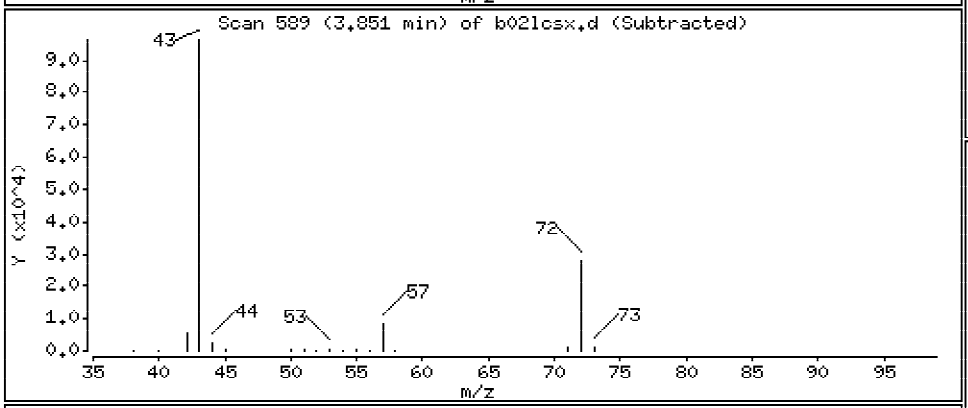
Sample Info: 1039438,59952:5

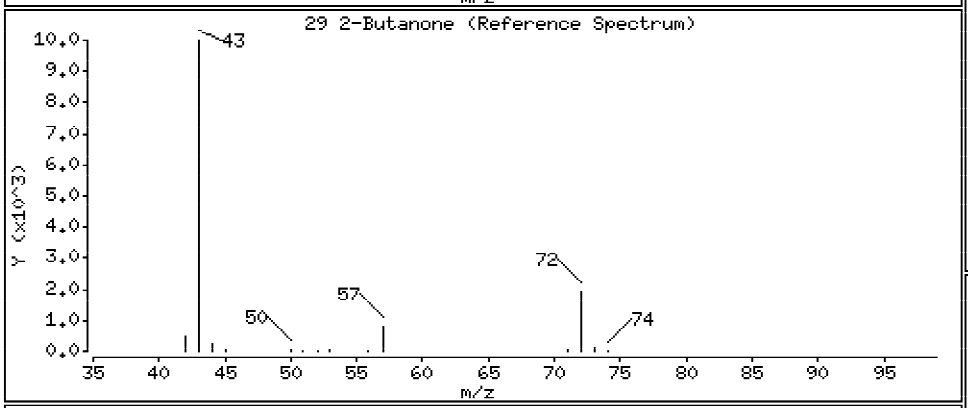
Purge Volume: 5.0 Operator: rsw

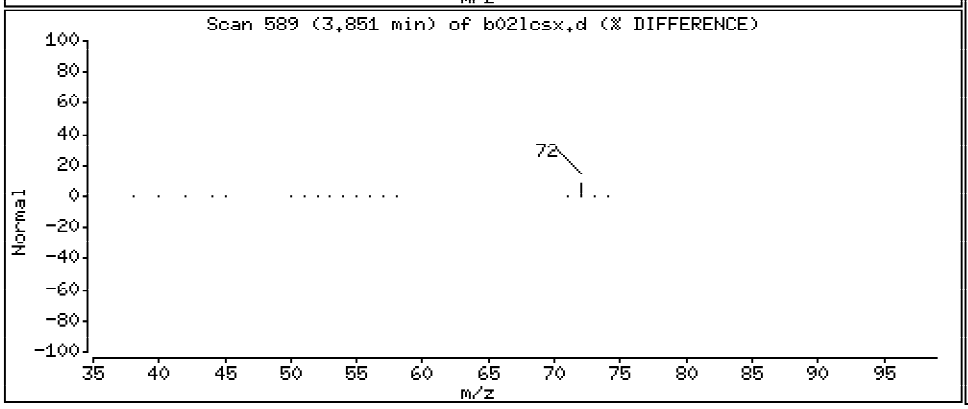
Column phase: DB-624 Column diameter: 0.18

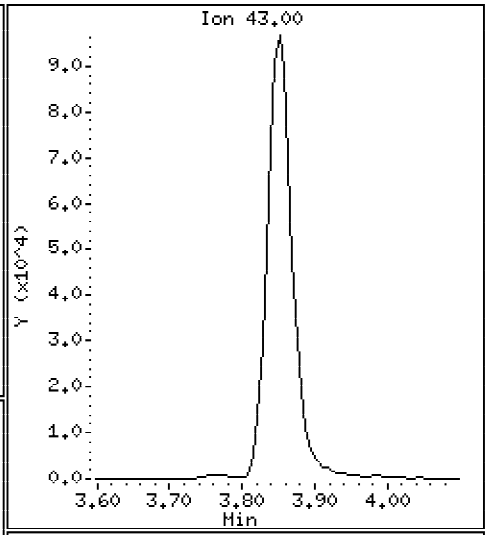
29 2-Butanone Concentration: 229 ppb

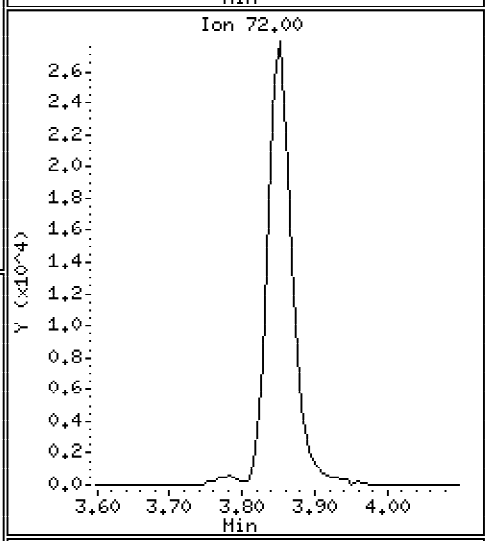


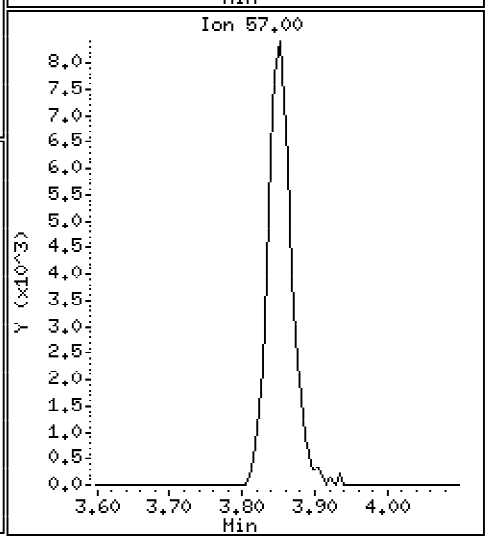












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d Page 34

Date : 15-JAN-2014 12:23

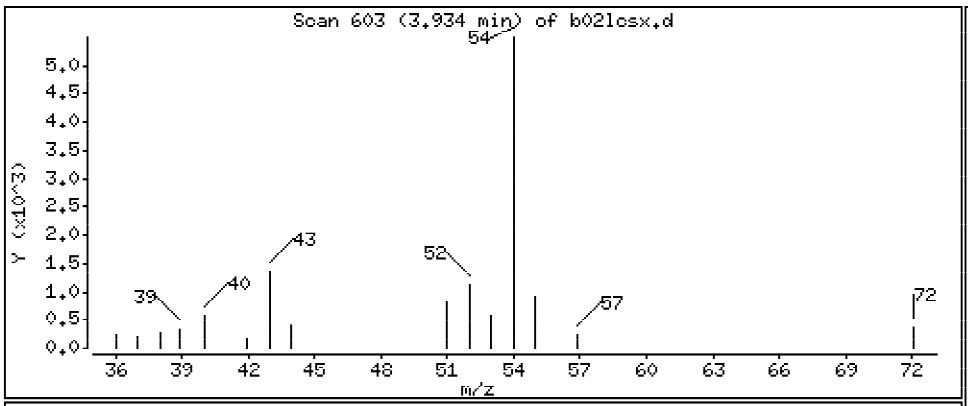
Client ID: 1039438 Instrument: 50mv4b.i

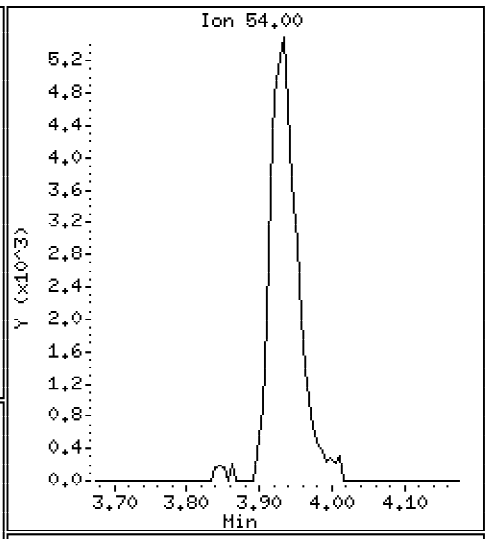
Sample Info: 1039438,59952:5

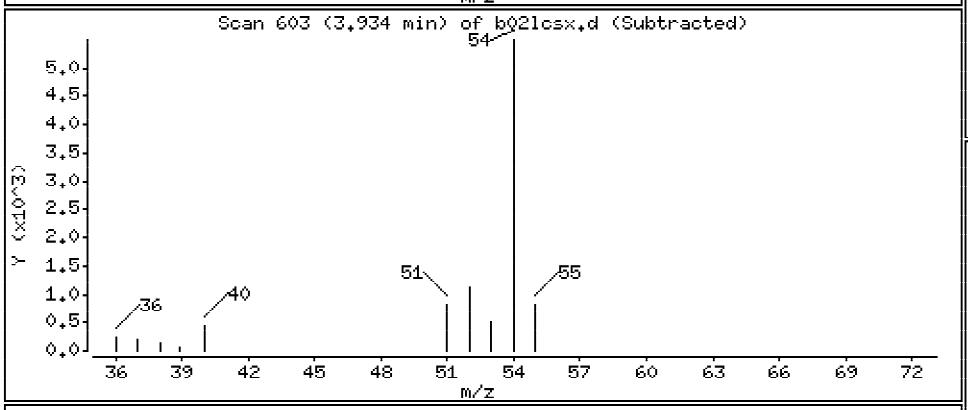
Purge Volume: 5.0 Operator: rsw

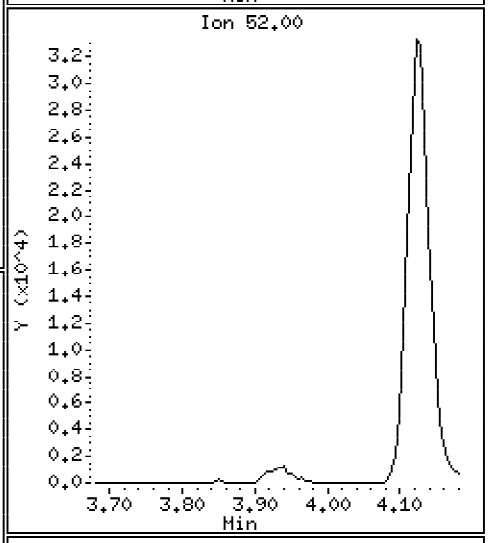
Column phase: DB-624 Column diameter: 0.18

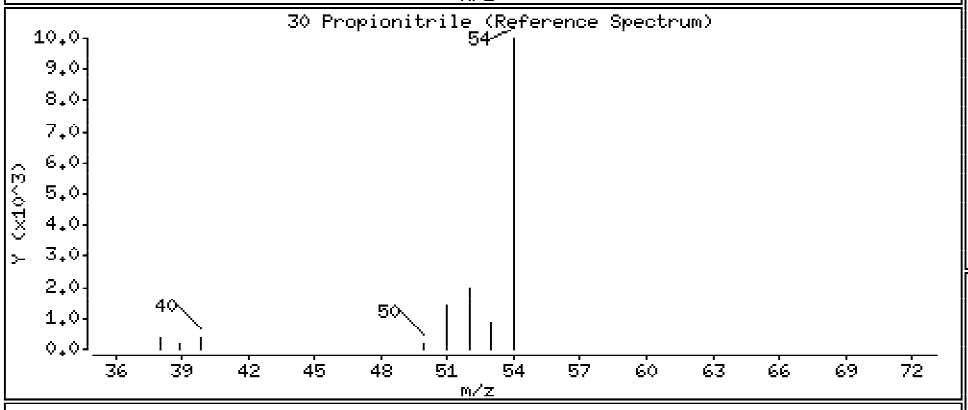
30 Propionitrile Concentration: 42.2 ppb

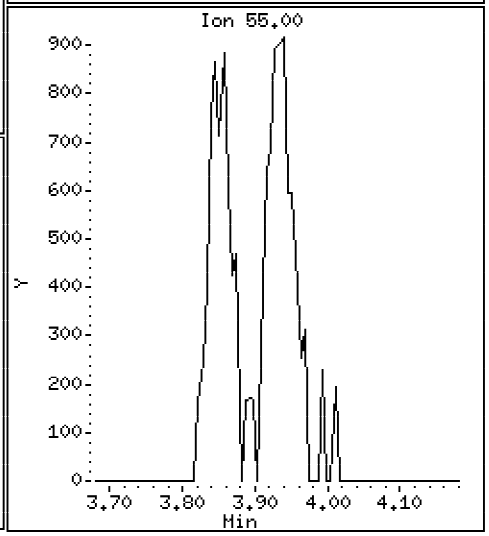


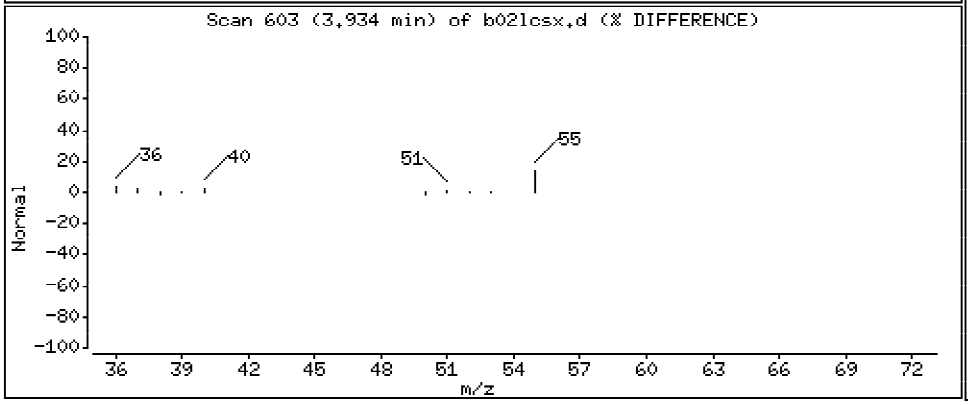












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d Page 35

Date : 15-JAN-2014 12:23

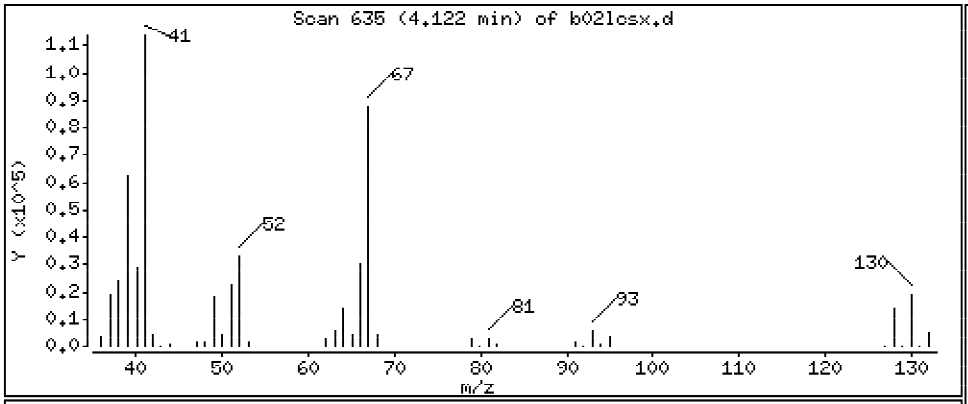
Client ID: 1039438 Instrument: 50mv4b.i

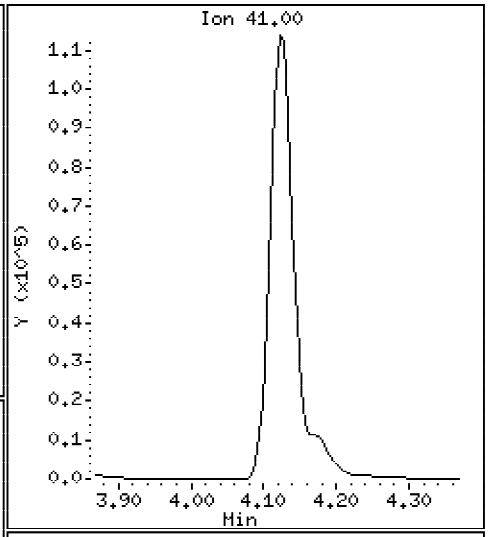
Sample Info: 1039438,59952:5

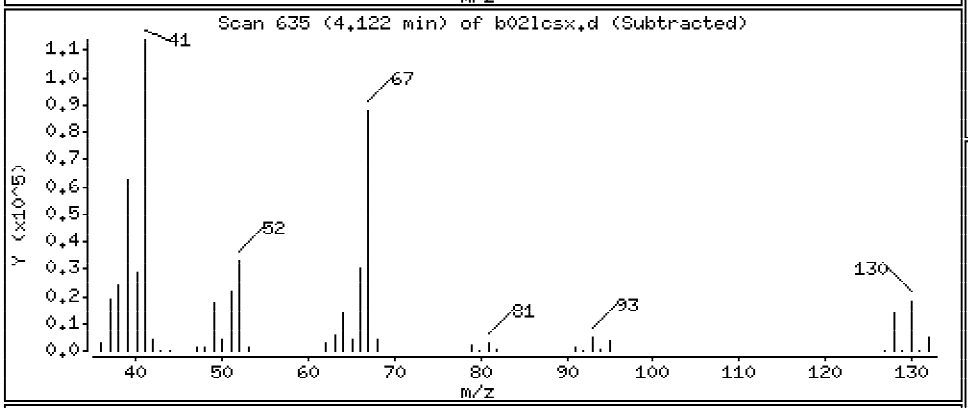
Purge Volume: 5.0 Operator: rsw

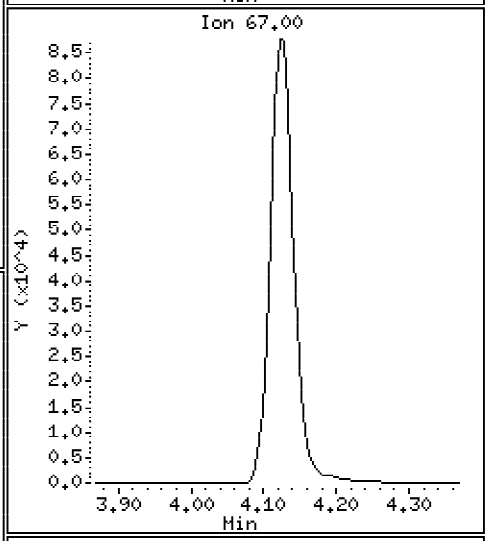
Column phase: DB-624 Column diameter: 0.18

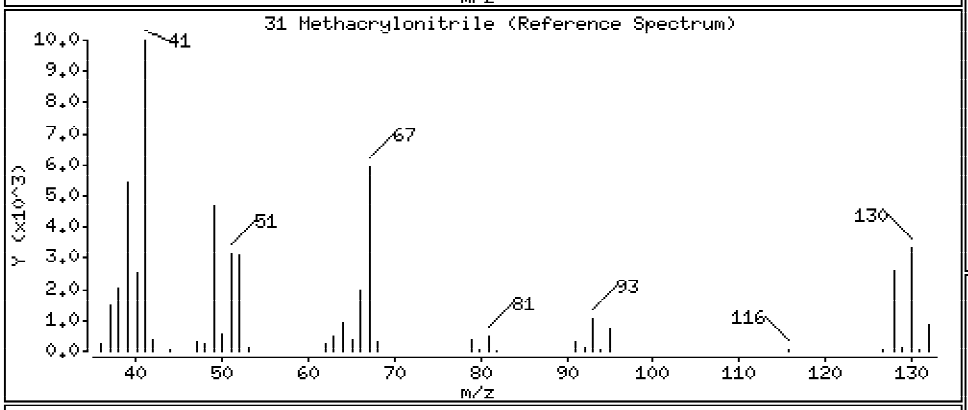
31 Methacrylonitrile Concentration: 170 ppb

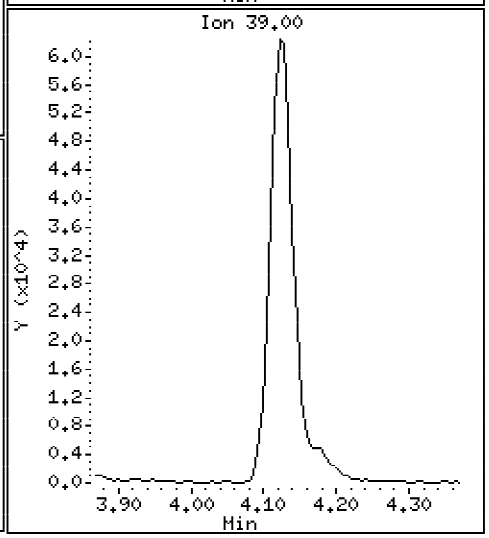


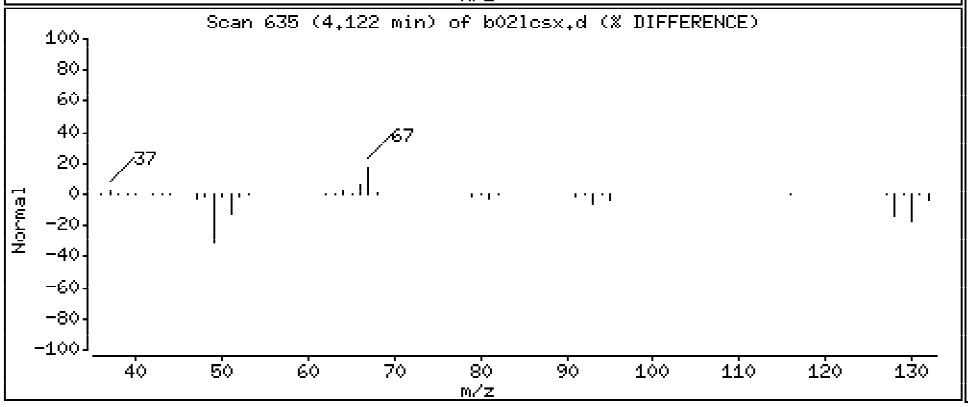












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d

Page 36

Date : 15-JAN-2014 12:23

Client ID: 1039438

Instrument: 50mv4b.i

Sample Info: 1039438,59952:5

Purge Volume: 5.0

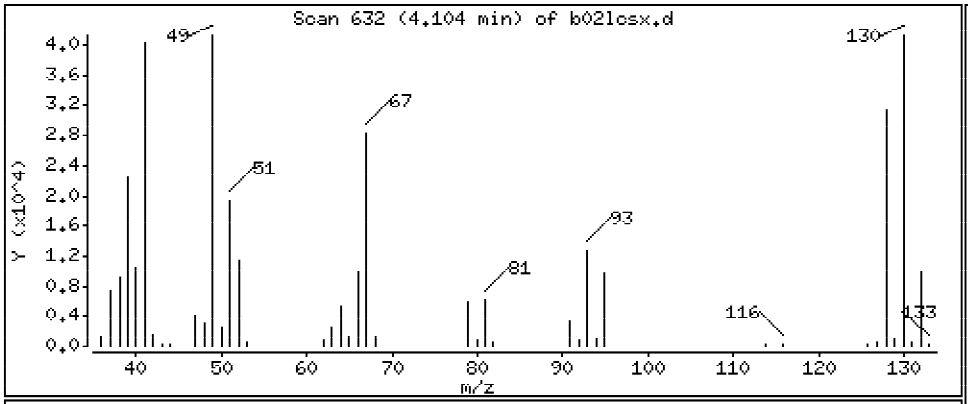
Operator: rsw

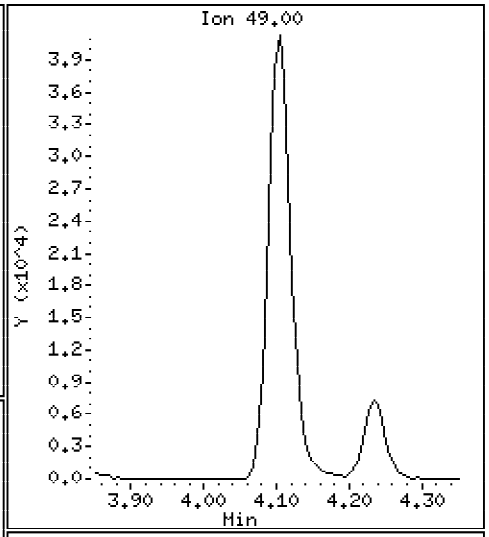
Column phase: DB-624

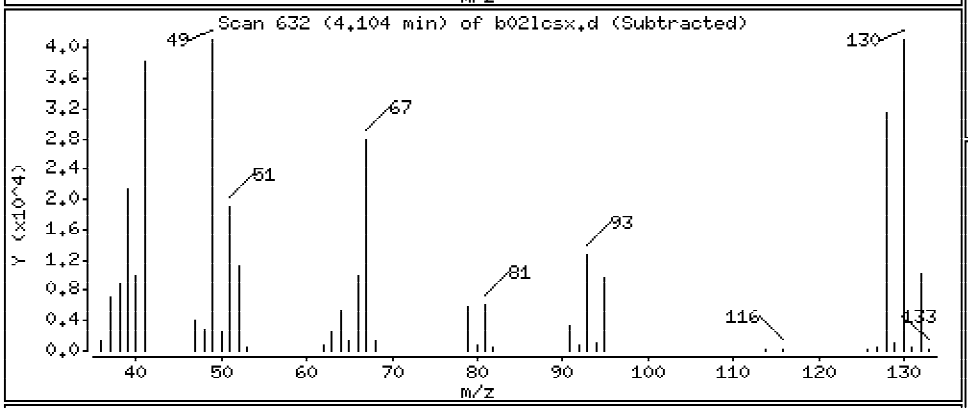
Column diameter: 0.18

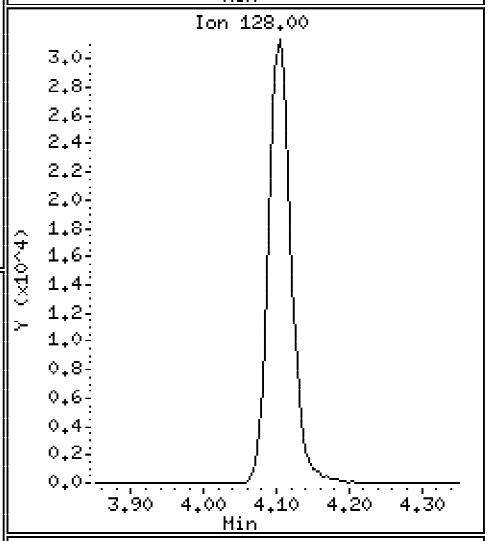
32 Bromochloromethane

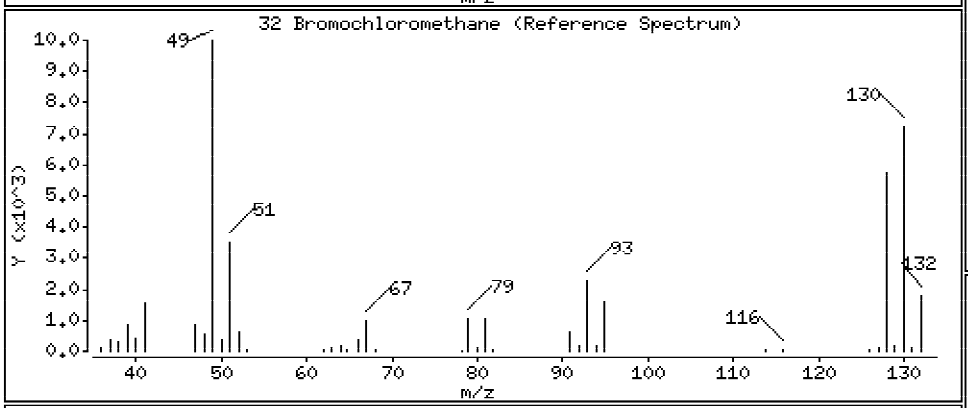
Concentration: 45.5 ppb

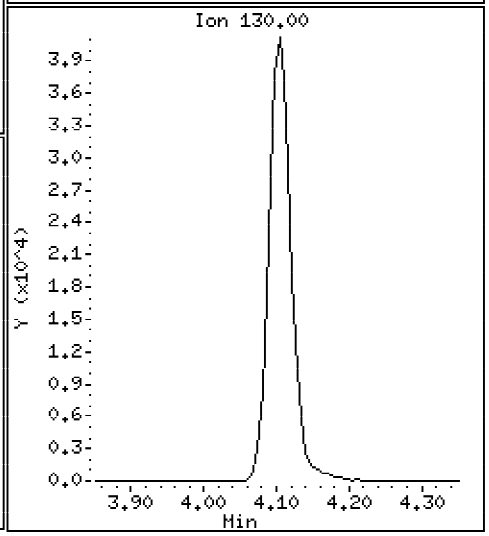


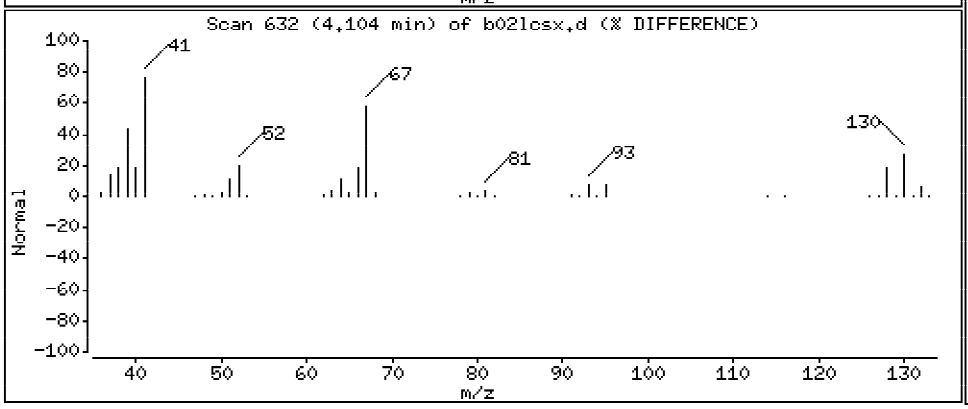












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d Page 37

Date : 15-JAN-2014 12:23

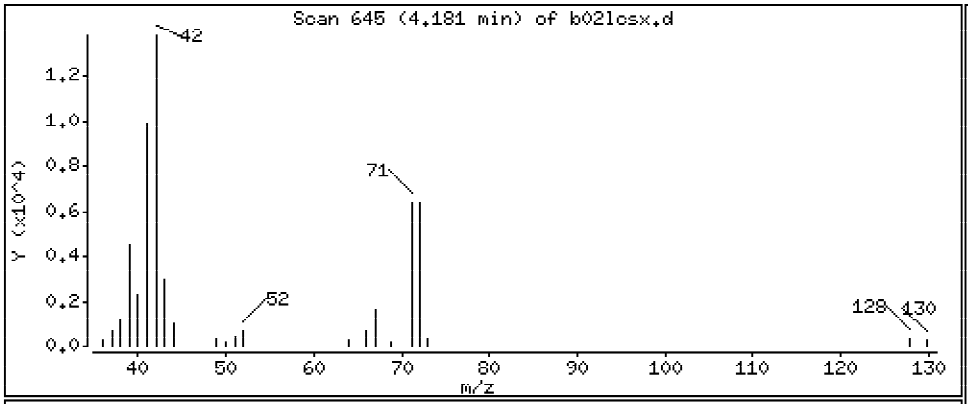
Client ID: 1039438 Instrument: 50mv4b.i

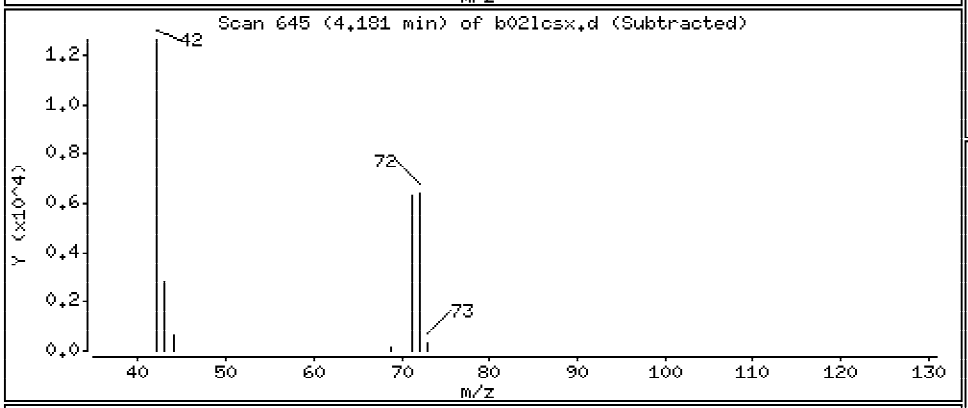
Sample Info: 1039438,59952:5

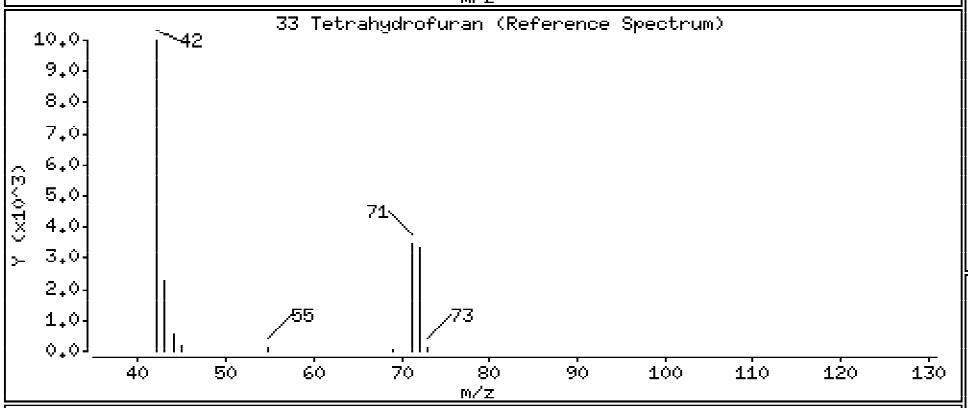
Purge Volume: 5.0 Operator: rsw

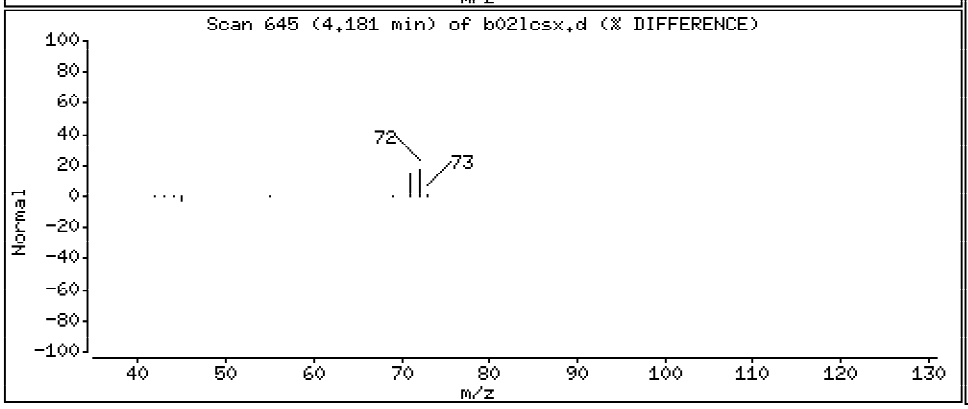
Column phase: DB-624 Column diameter: 0.18

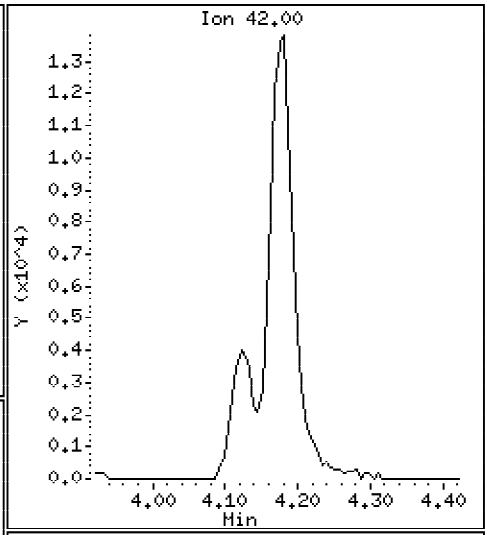
33 Tetrahydrofuran Concentration: 14.0 ppb

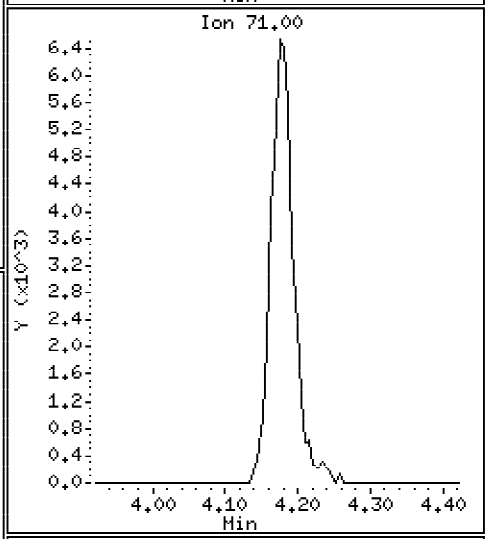


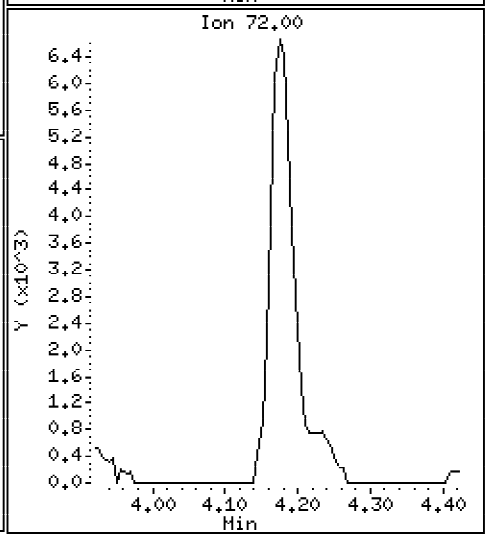












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d Page 38

Date : 15-JAN-2014 12:23

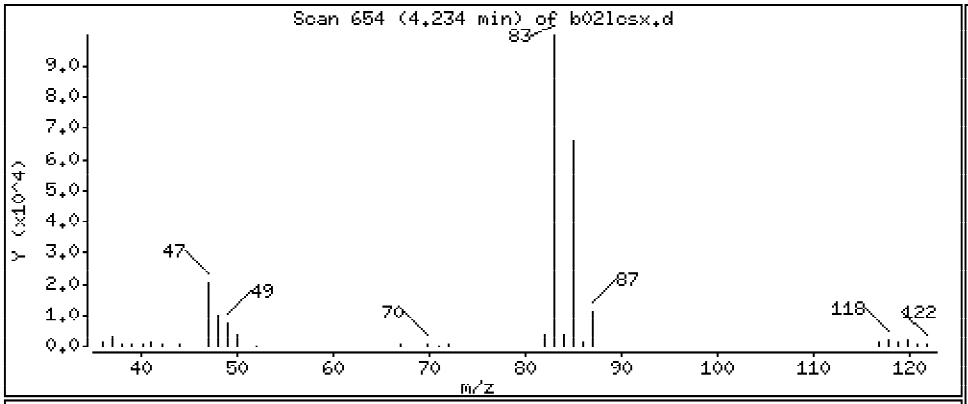
Client ID: 1039438 Instrument: 50mv4b.i

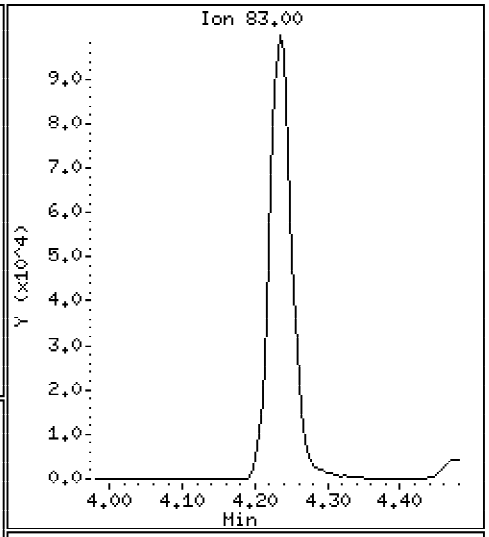
Sample Info: 1039438,59952:5

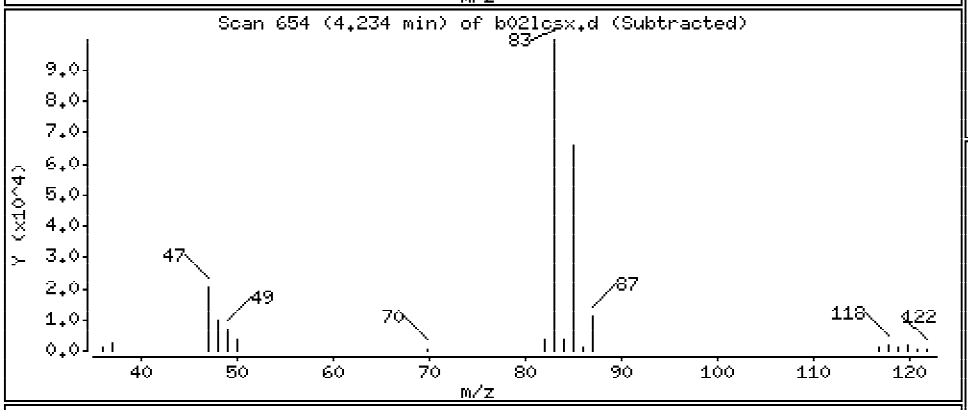
Purge Volume: 5.0 Operator: rsw

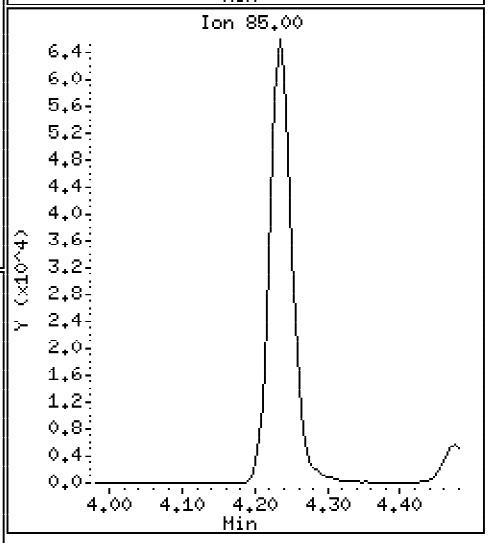
Column phase: DB-624 Column diameter: 0.18

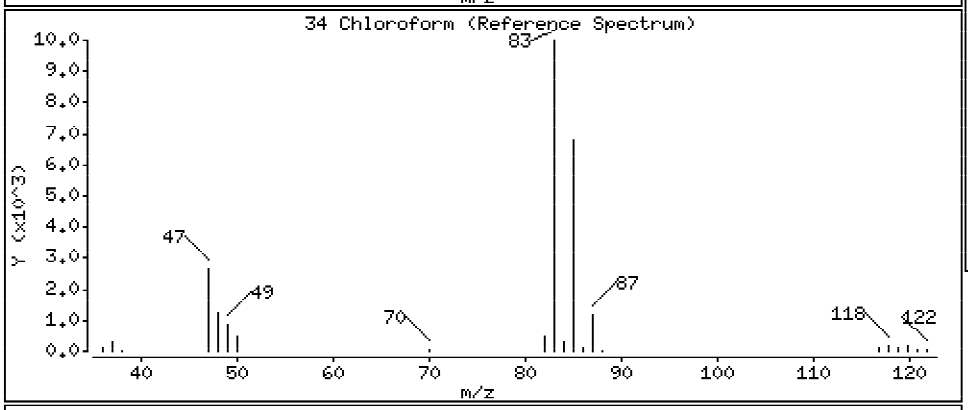
34 Chloroform Concentration: 47.1 ppb

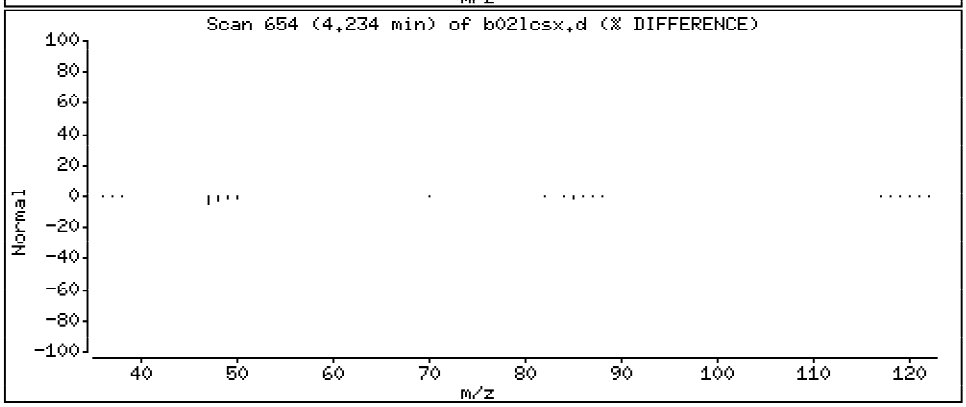












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d Page 39

Date : 15-JAN-2014 12:23

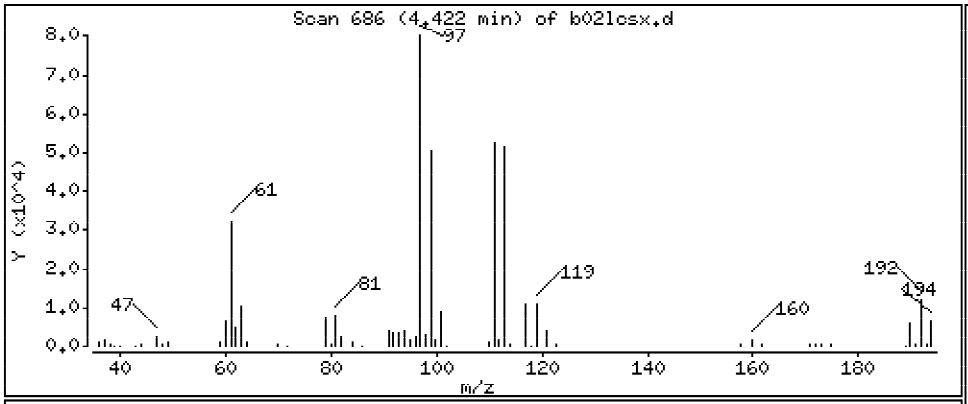
Client ID: 1039438 Instrument: 50mv4b.i

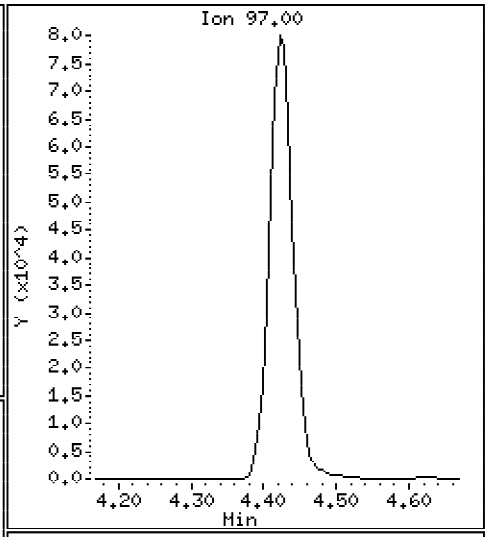
Sample Info: 1039438,59952:5

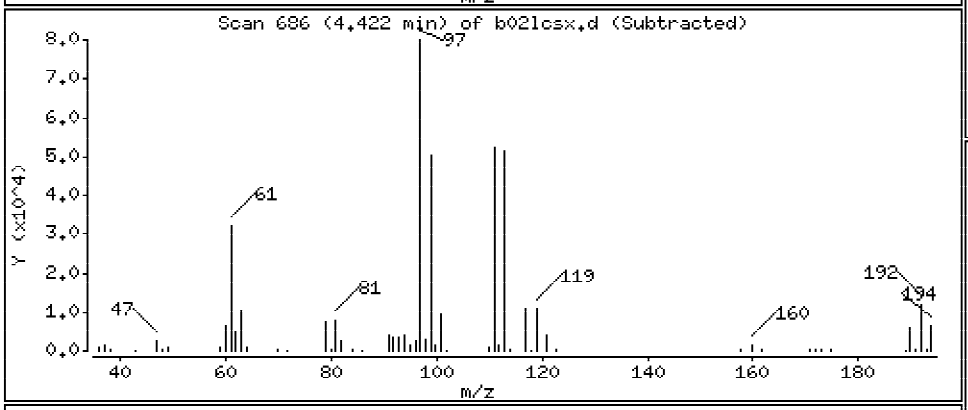
Purge Volume: 5.0 Operator: rsw

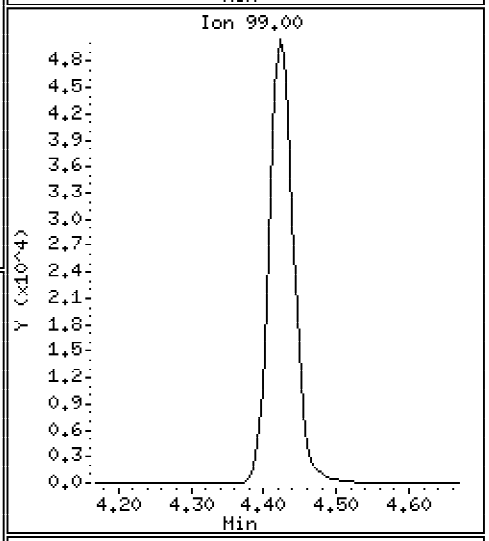
Column phase: DB-624 Column diameter: 0.18

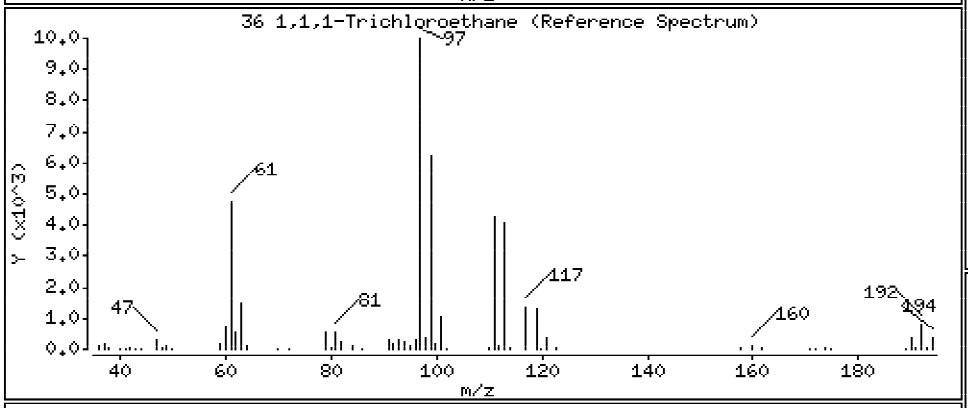
36 1,1,1-Trichloroethane Concentration: 46.2 ppb

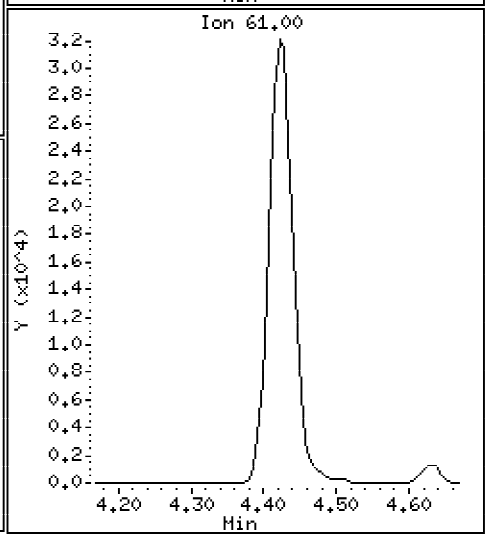


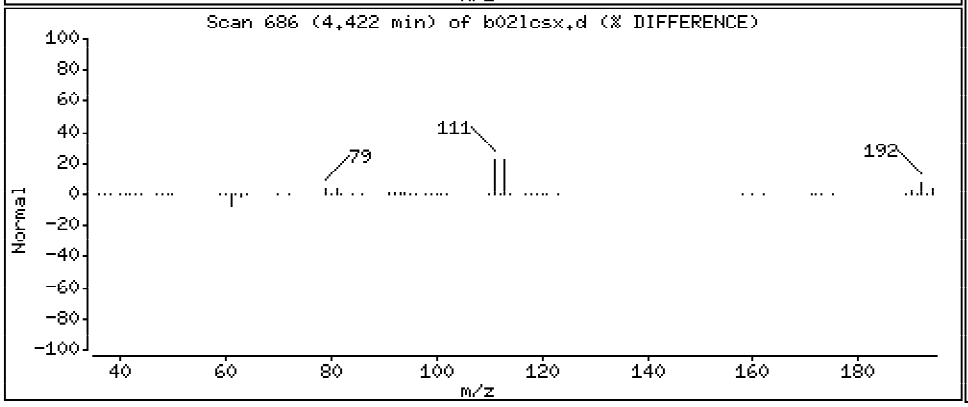












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d Page 40

Date : 15-JAN-2014 12:23

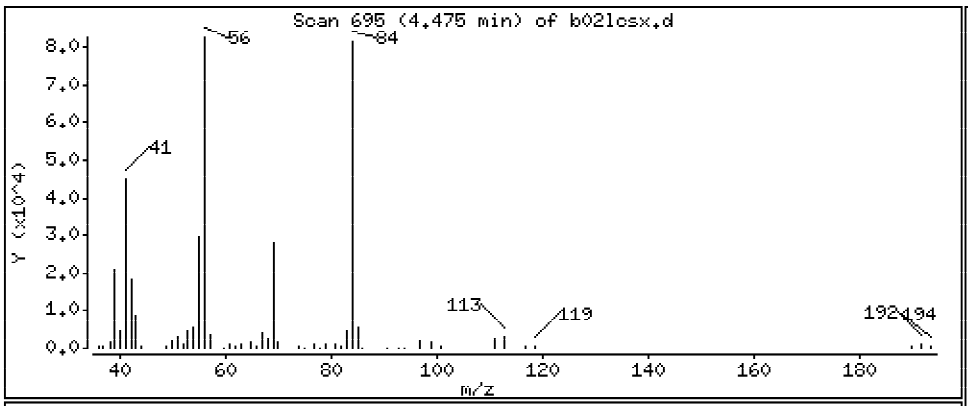
Client ID: 1039438 Instrument: 50mv4b.i

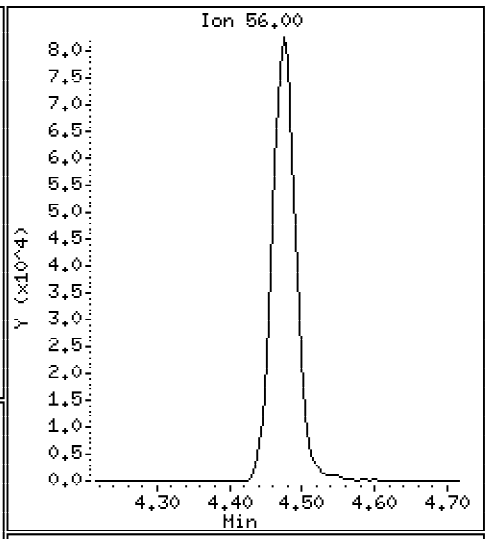
Sample Info: 1039438,59952:5

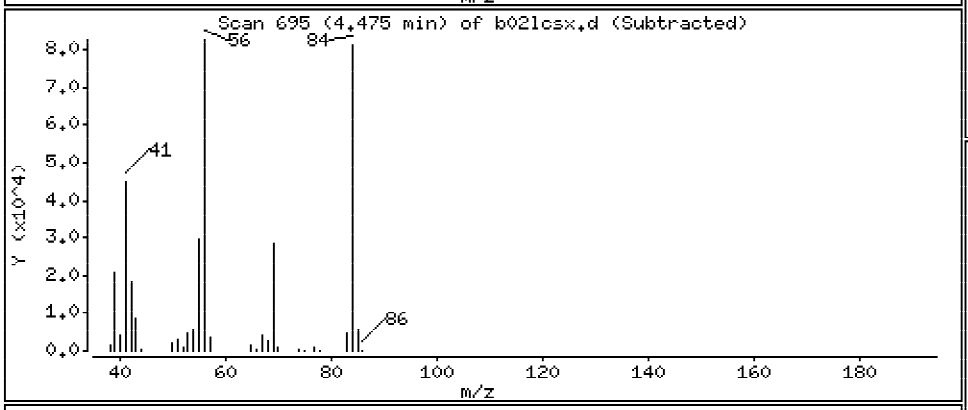
Purge Volume: 5.0 Operator: rsw

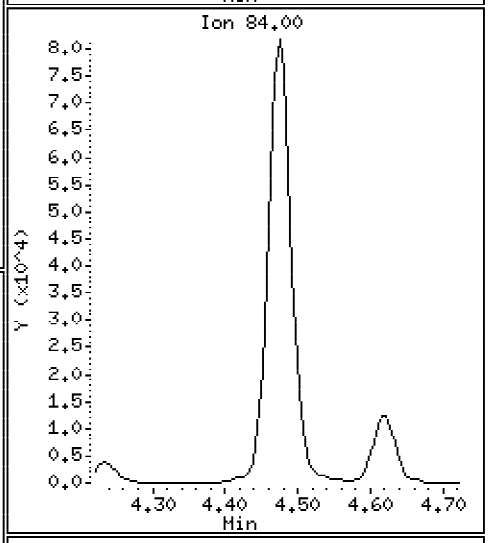
Column phase: DB-624 Column diameter: 0.18

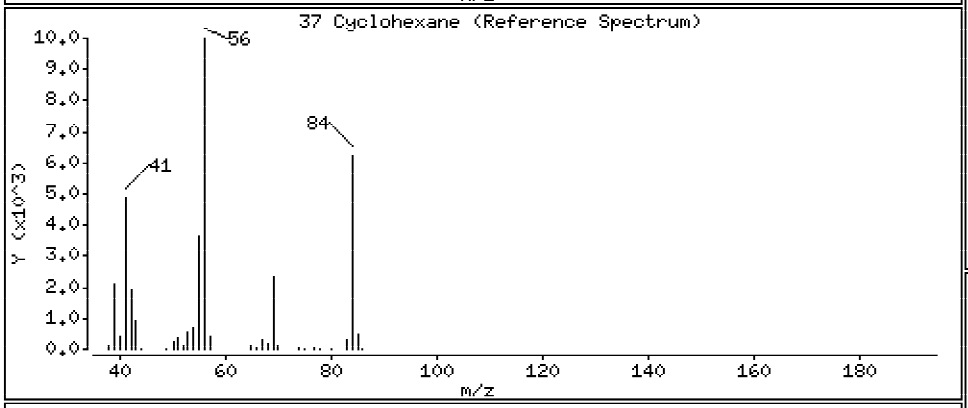
37 Cyclohexane Concentration: 53.9 ppb

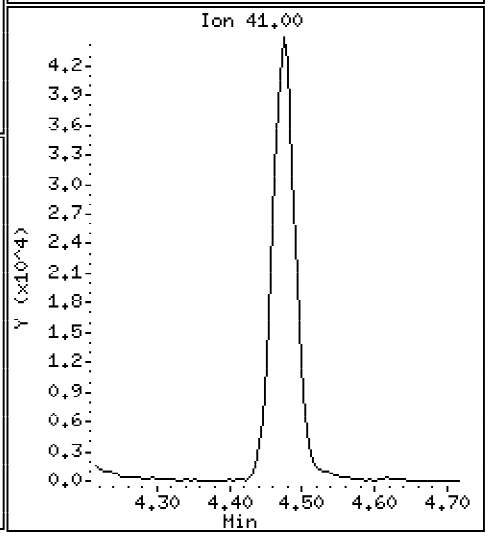


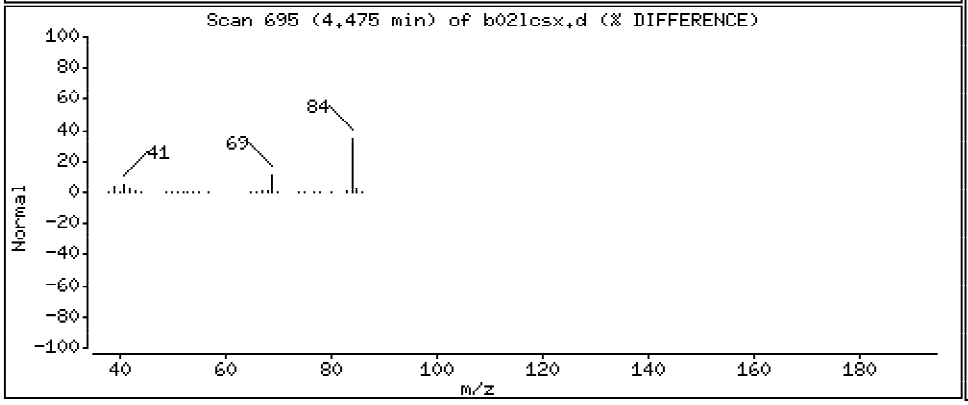












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d Page 41

Date : 15-JAN-2014 12:23

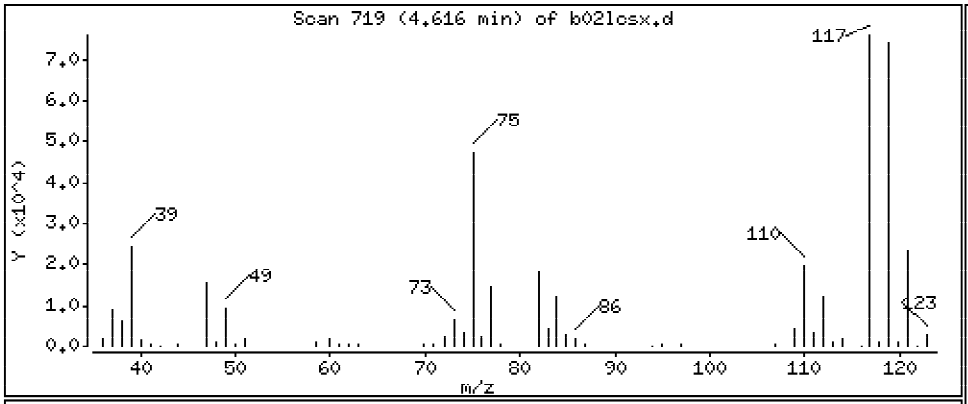
Client ID: 1039438 Instrument: 50mv4b.i

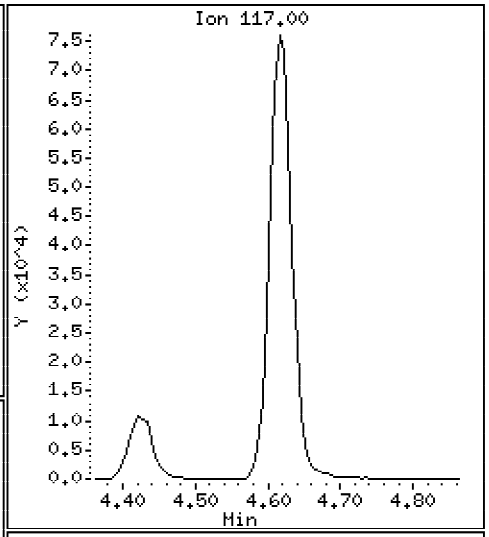
Sample Info: 1039438,59952:5

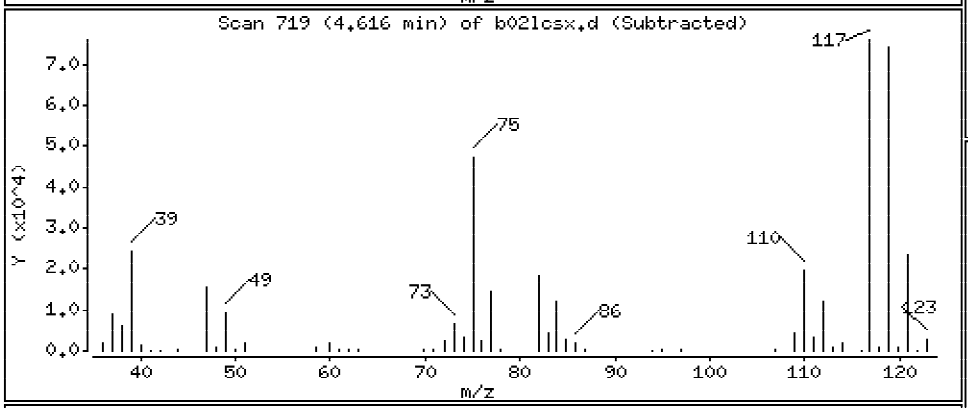
Purge Volume: 5.0 Operator: rsw

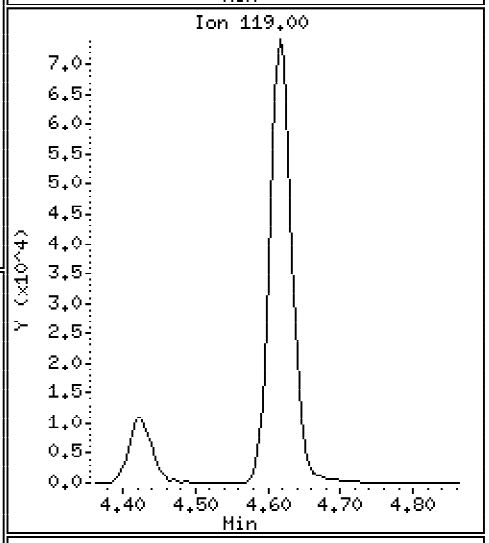
Column phase: DB-624 Column diameter: 0.18

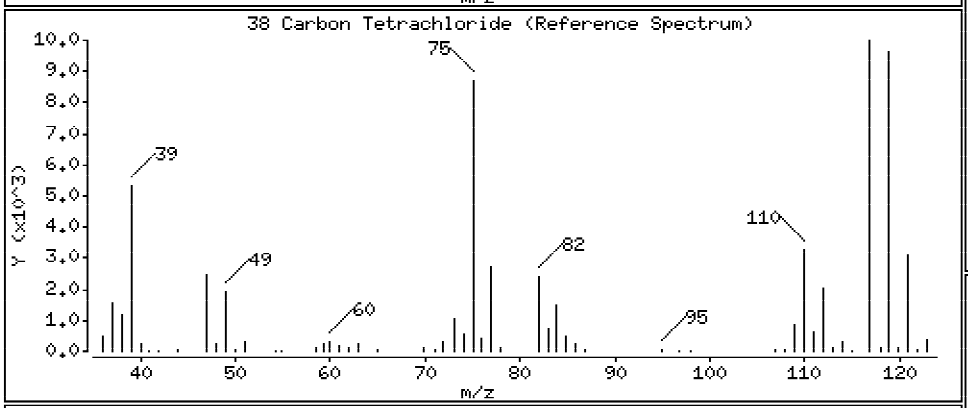
38 Carbon Tetrachloride Concentration: 50.3 ppb

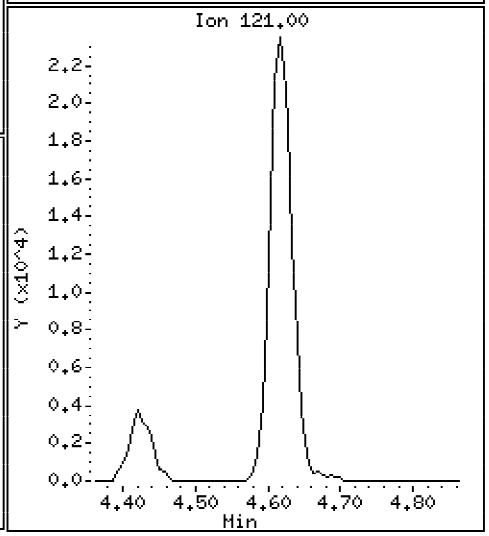


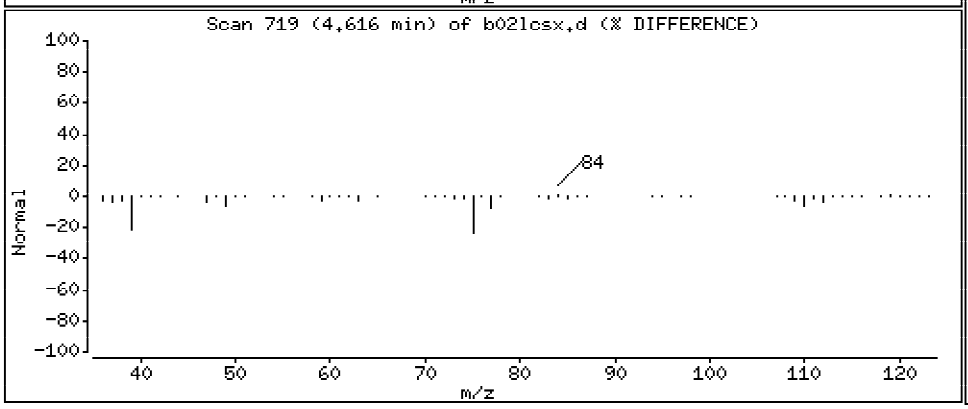












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d Page 42

Date : 15-JAN-2014 12:23

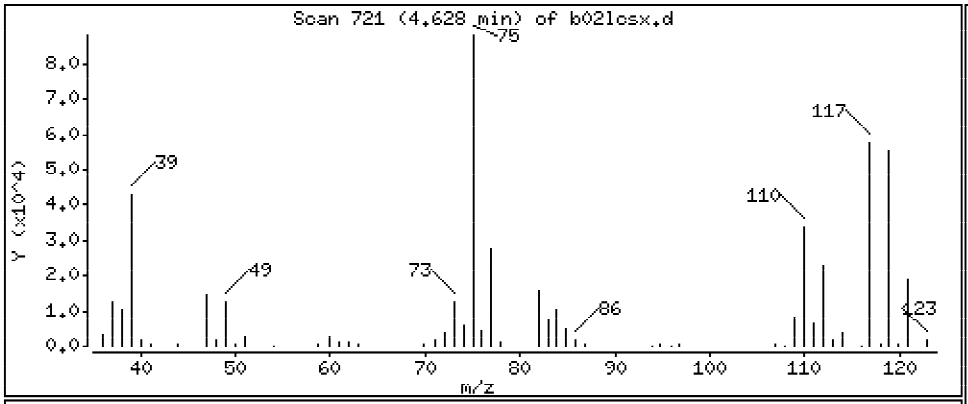
Client ID: 1039438 Instrument: 50mv4b.i

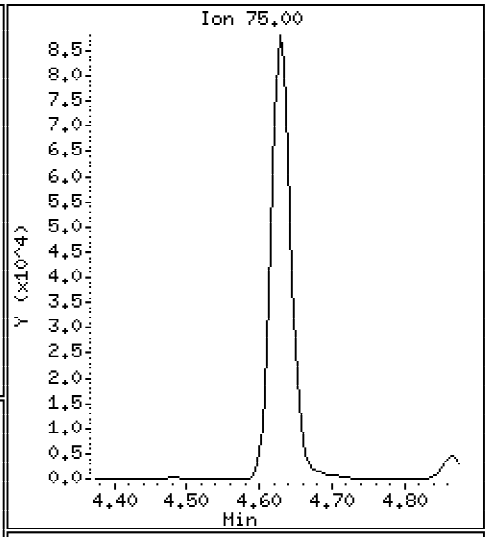
Sample Info: 1039438,59952:5

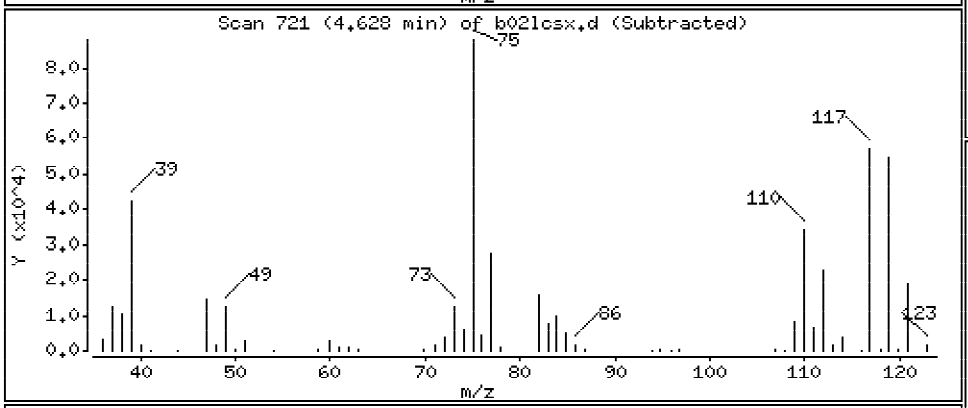
Purge Volume: 5.0 Operator: rsw

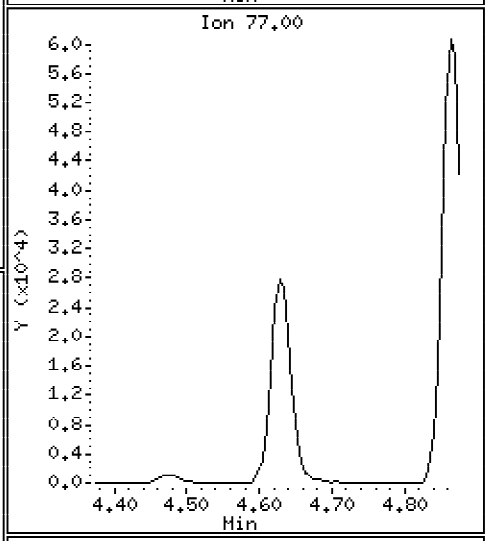
Column phase: DB-624 Column diameter: 0.18

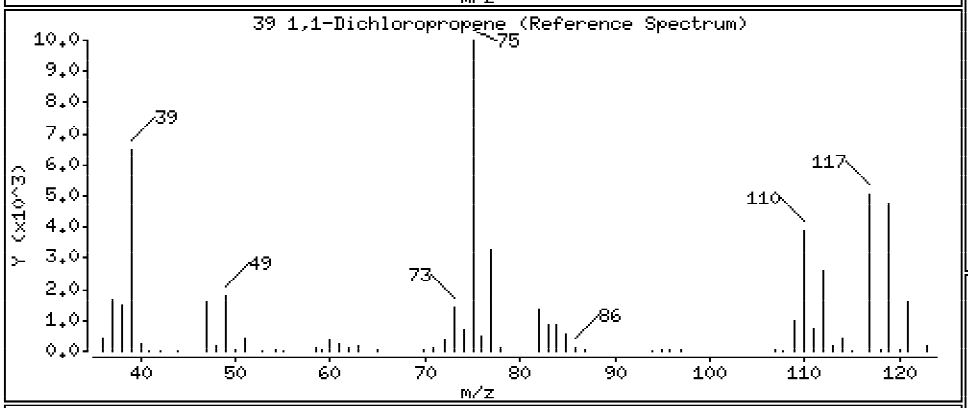
39 1,1-Dichloropropene Concentration: 45.7 ppb

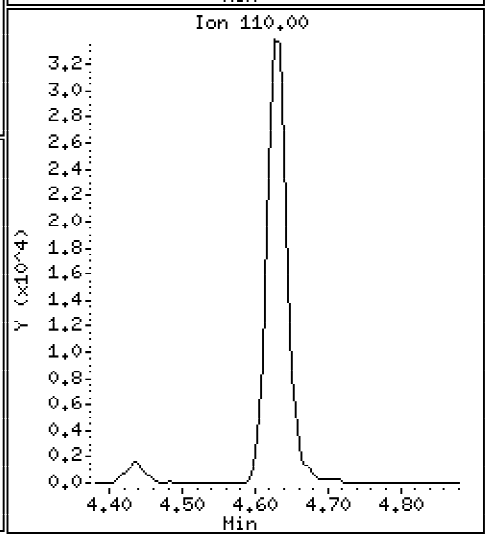


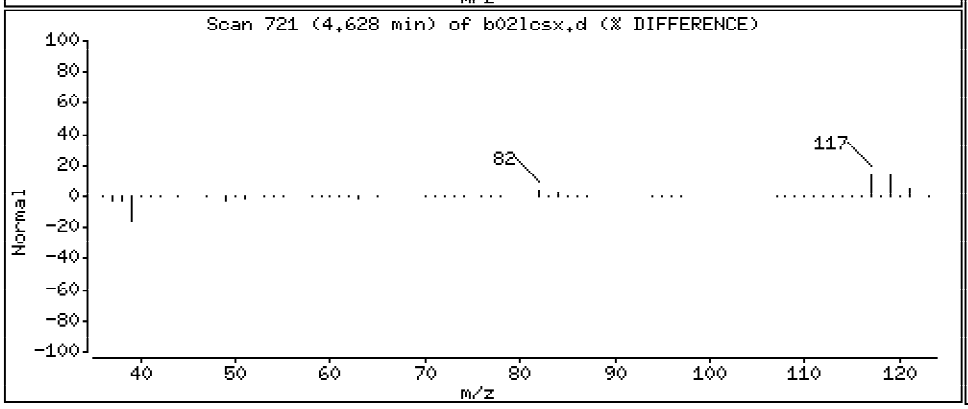












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d

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Date : 15-JAN-2014 12:23

Client ID: 1039438

Instrument: 50mv4b.i

Sample Info: 1039438,59952:5

Purge Volume: 5.0

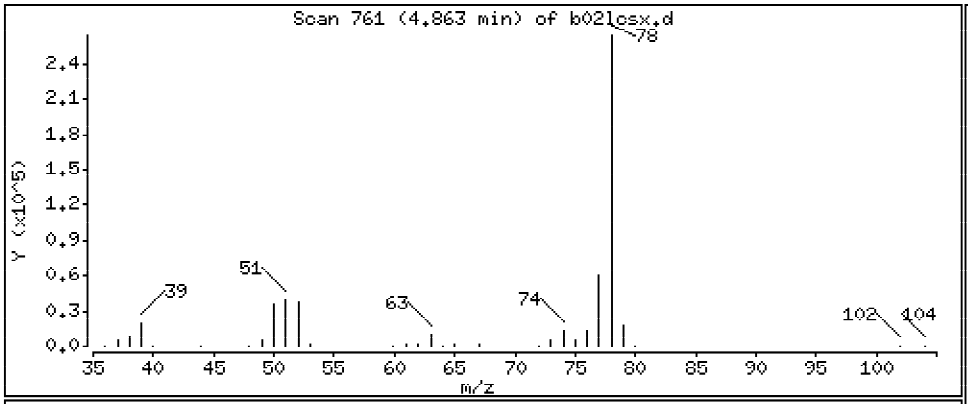
Operator: rsw

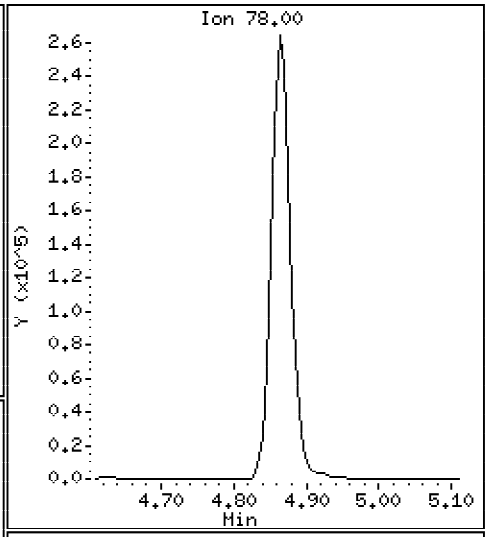
Column phase: DB-624

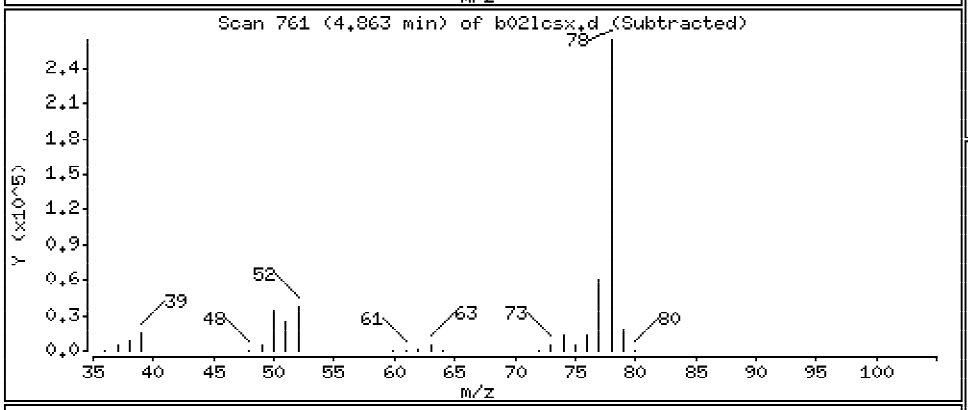
Column diameter: 0.18

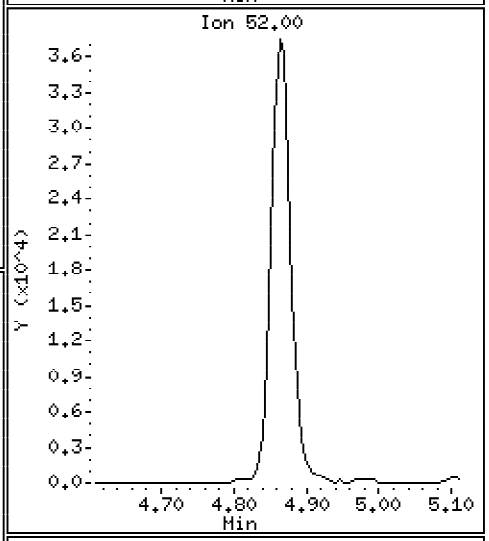
40 Benzene

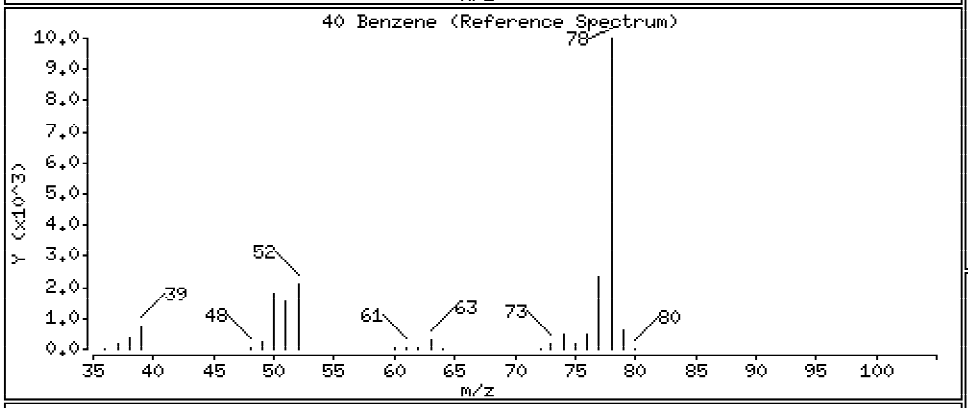
Concentration: 44.1 ppb

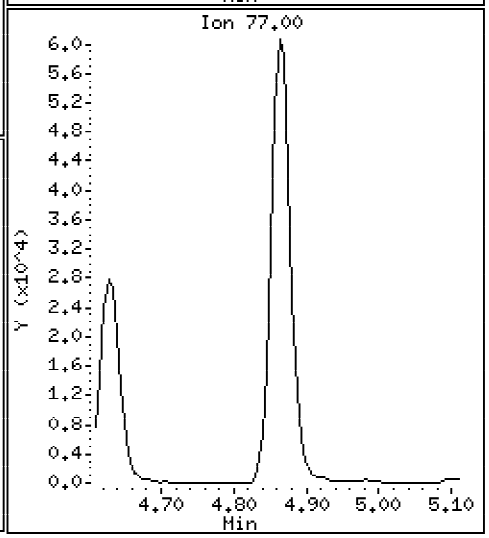


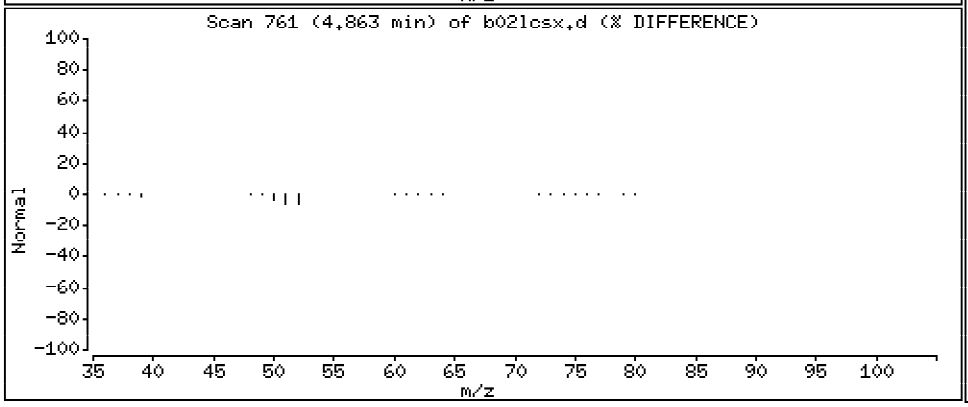












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d Page 44

Date : 15-JAN-2014 12:23

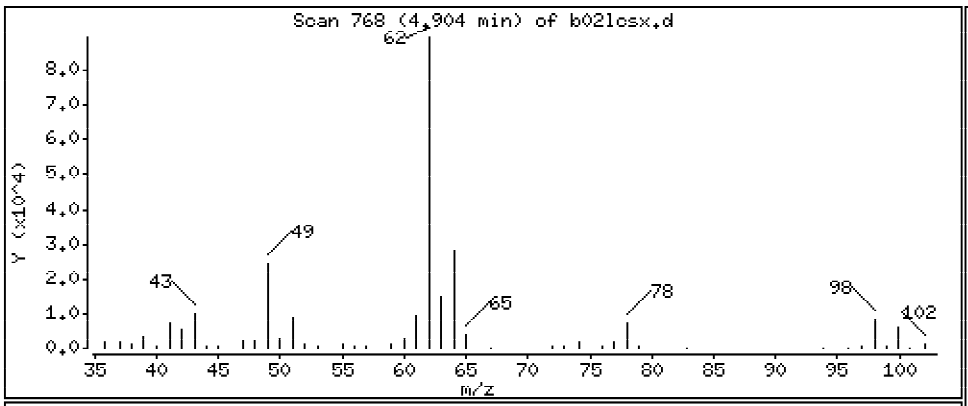
Client ID: 1039438 Instrument: 50mv4b.i

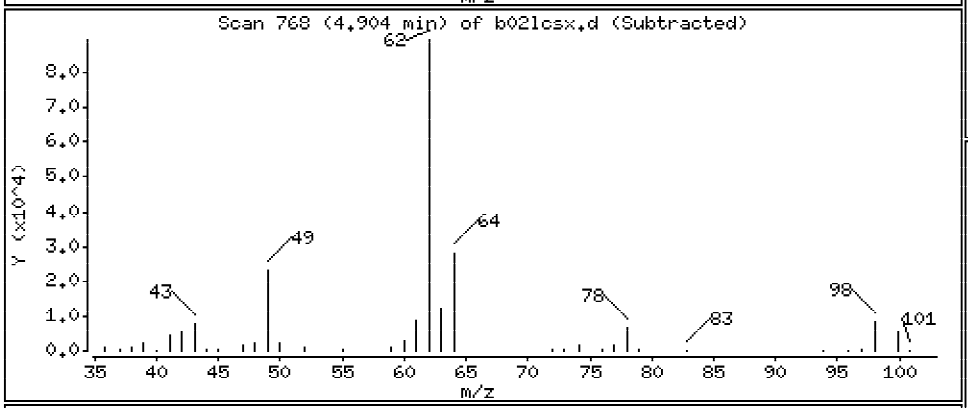
Sample Info: 1039438,59952:5

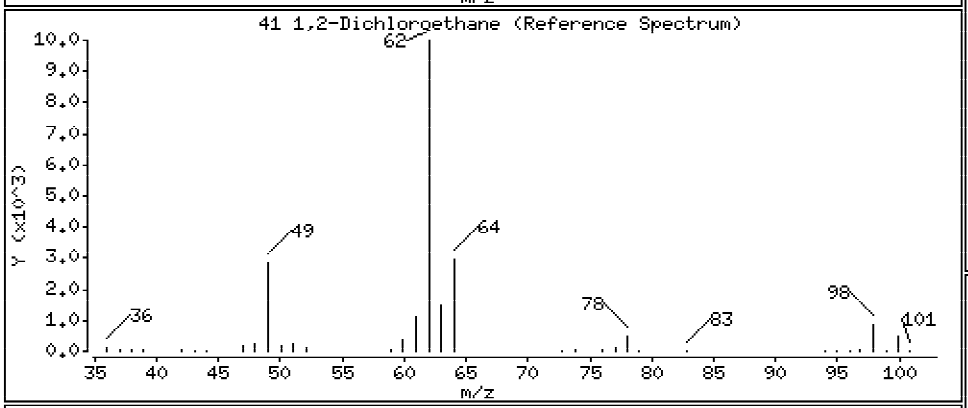
Purge Volume: 5.0 Operator: rsw

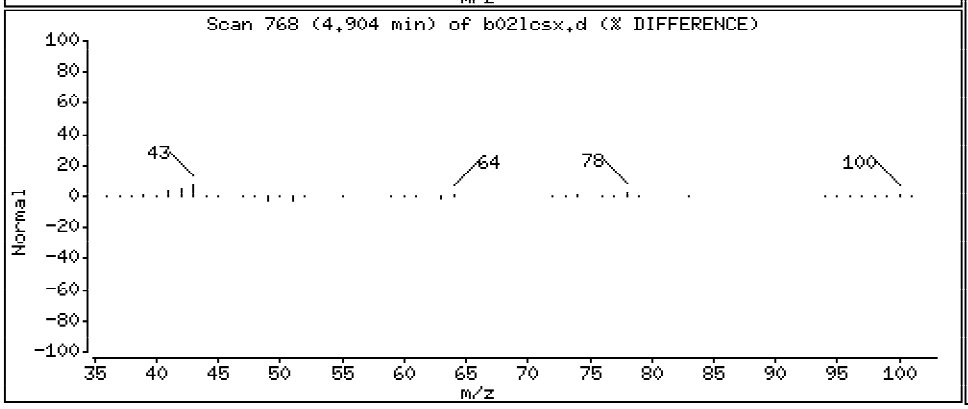
Column phase: DB-624 Column diameter: 0.18

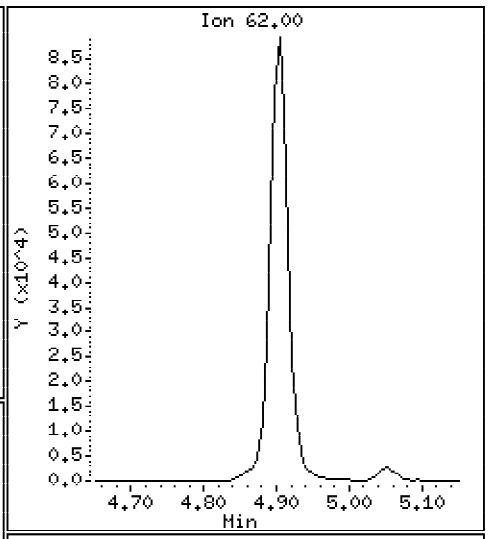
41 1,2-Dichloroethane Concentration: 46.2 ppb

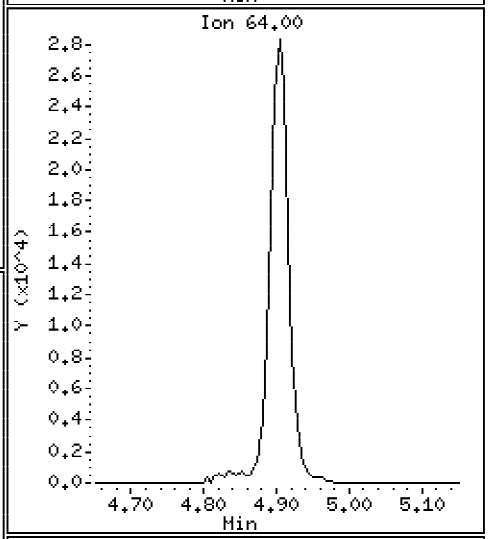


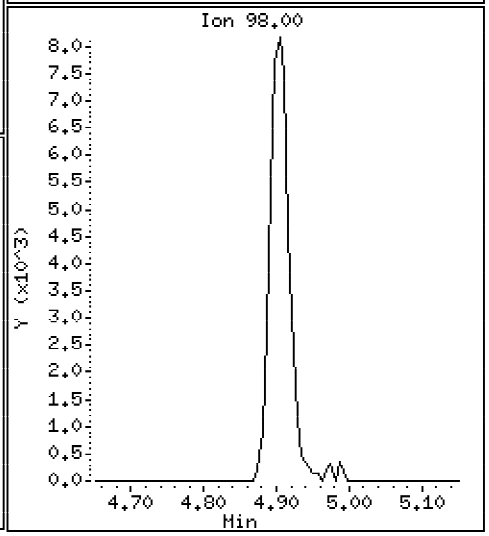












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d Page 45

Date : 15-JAN-2014 12:23

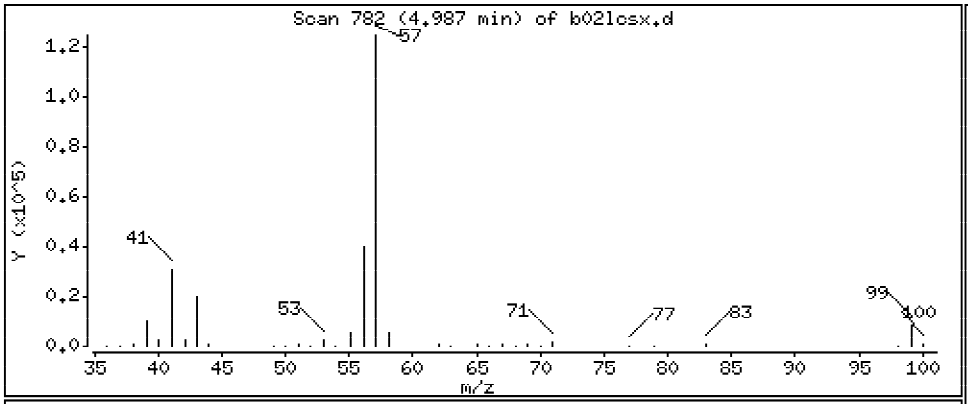
Client ID: 1039438 Instrument: 50mv4b.i

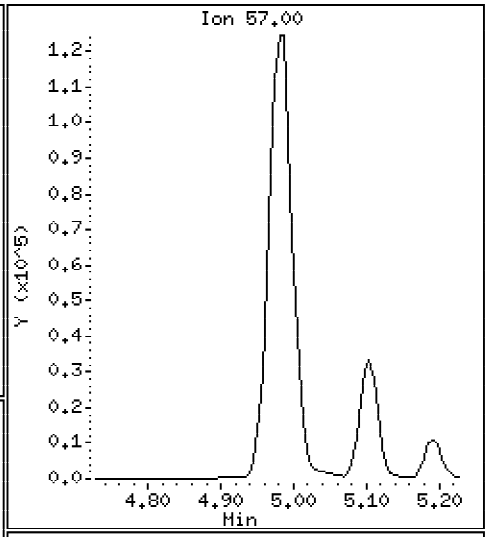
Sample Info: 1039438,59952:5

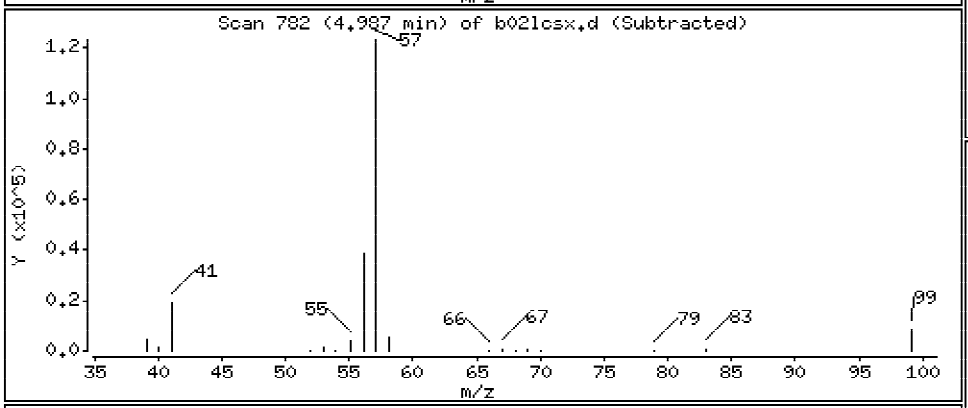
Purge Volume: 5.0 Operator: rsw

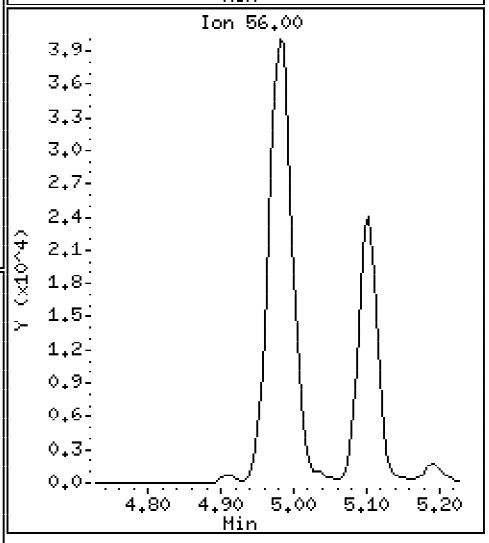
Column phase: DB-624 Column diameter: 0.18

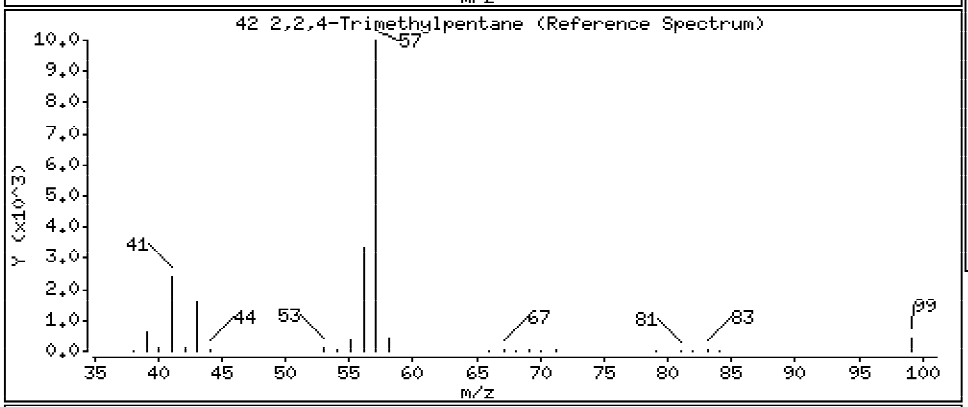
42 2,2,4-Trimethylpentane Concentration: 45.4 ppb

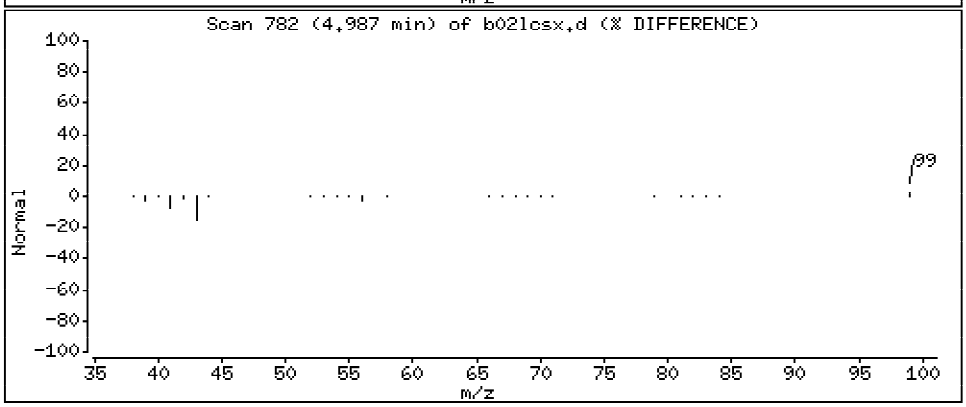












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d

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Date : 15-JAN-2014 12:23

Client ID: 1039438

Instrument: 50mv4b.i

Sample Info: 1039438,59952:5

Purge Volume: 5.0

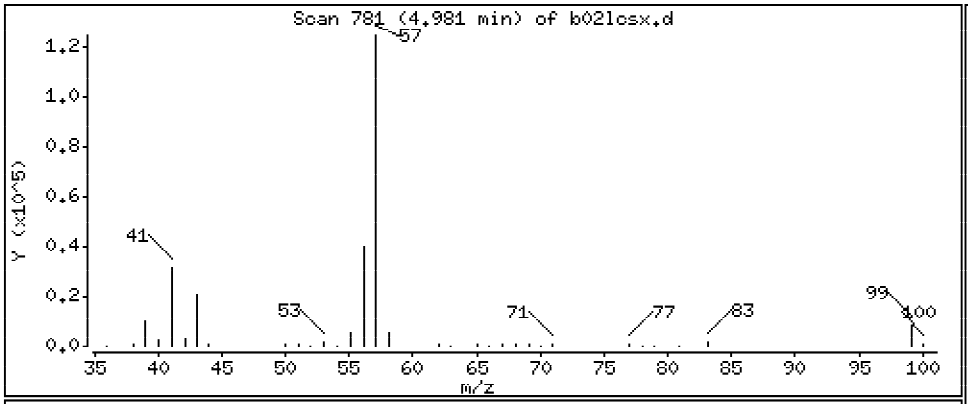
Operator: rsw

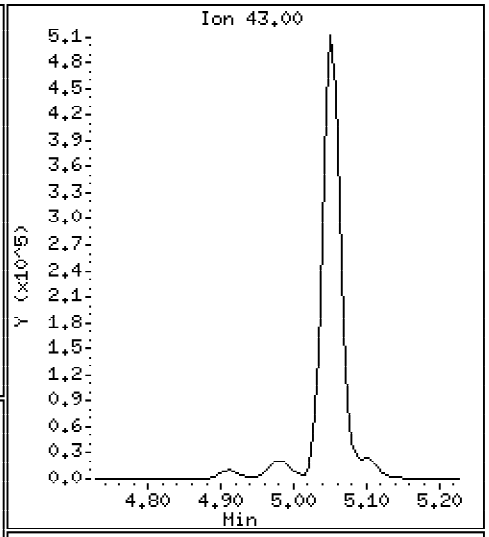
Column phase: DB-624

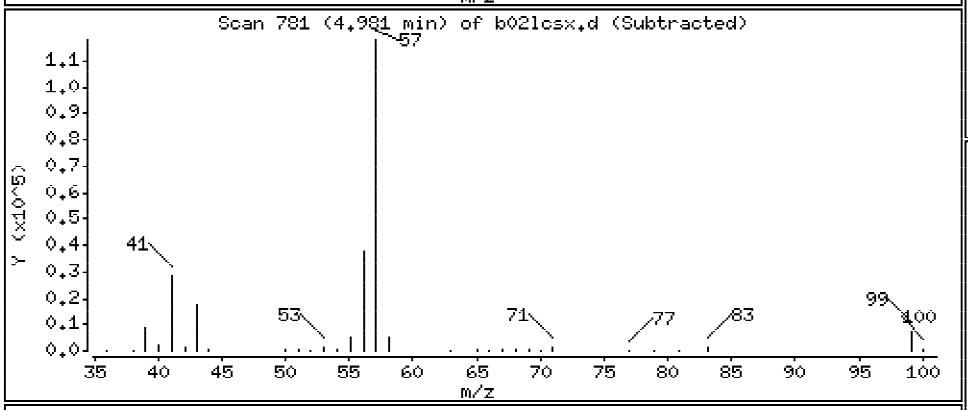
Column diameter: 0.18

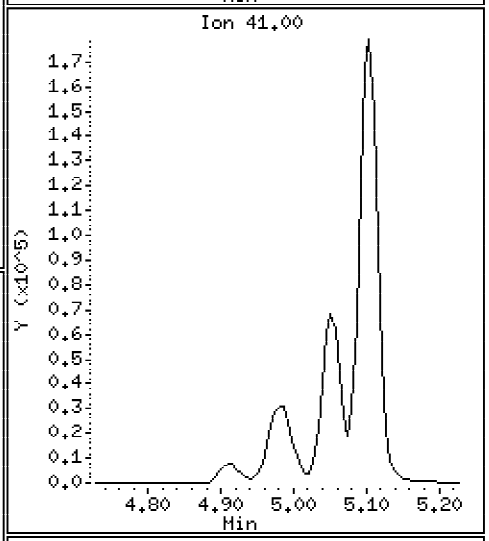
43 Isobutyl alcohol

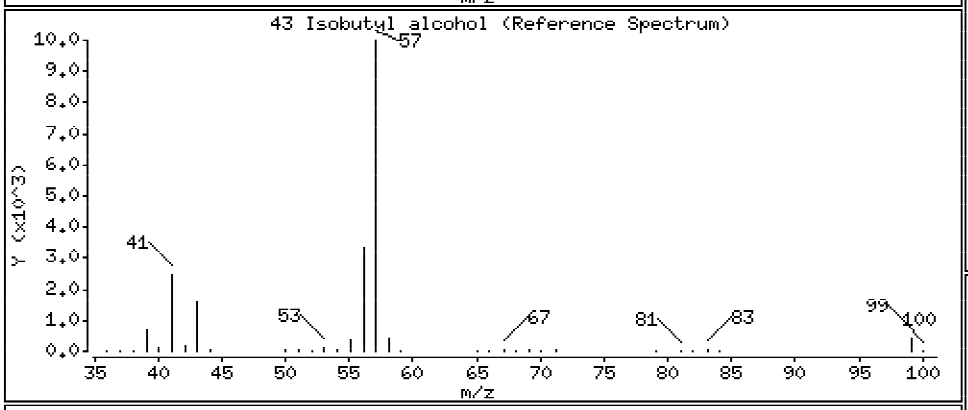
Concentration: 44.7 ppb

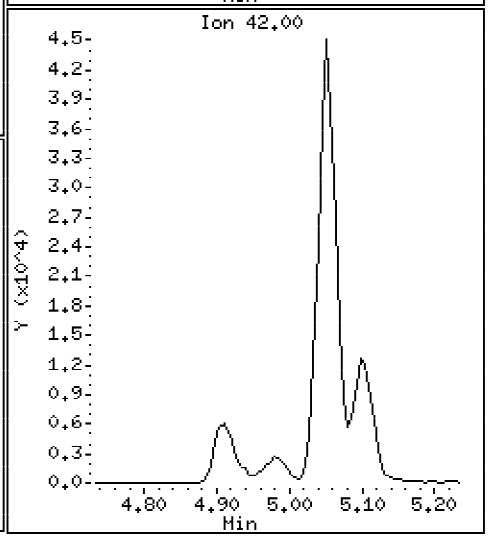


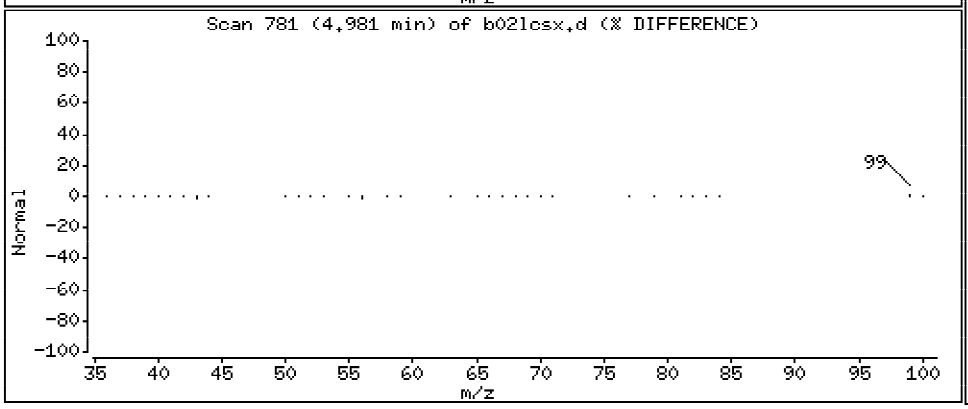












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d Page 47

Date : 15-JAN-2014 12:23

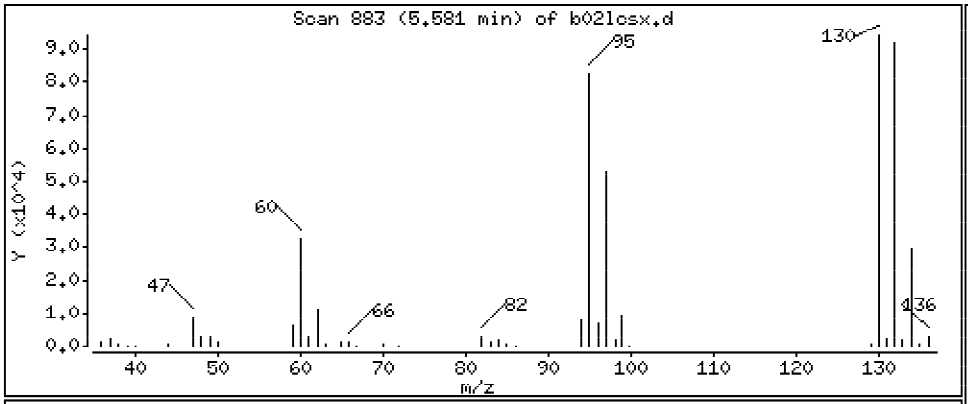
Client ID: 1039438 Instrument: 50mv4b.i

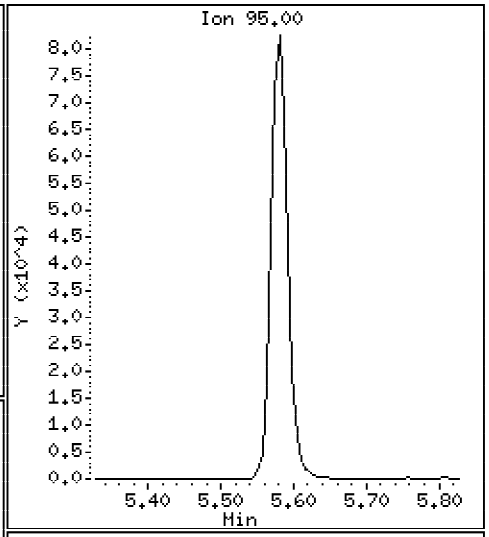
Sample Info: 1039438,59952:5

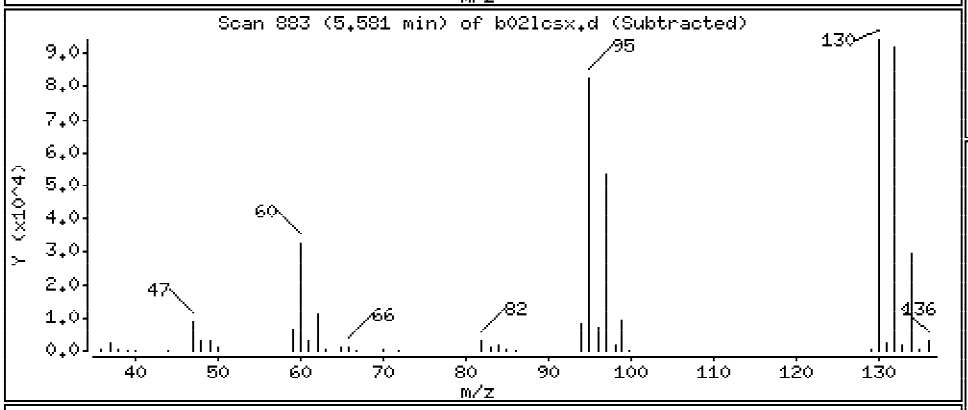
Purge Volume: 5.0 Operator: rsw

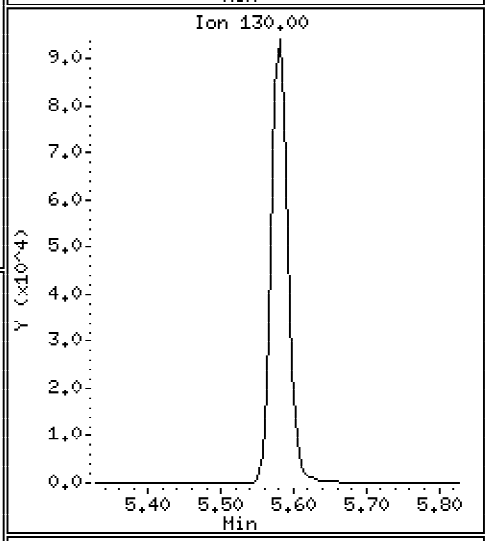
Column phase: DB-624 Column diameter: 0.18

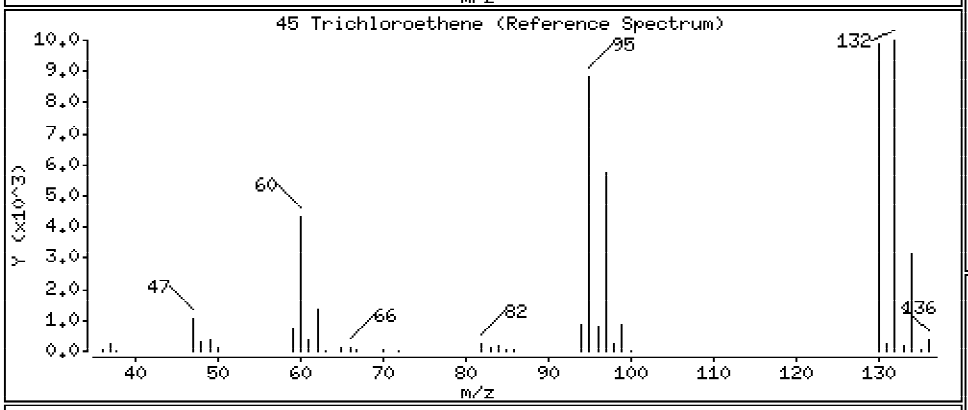
45 Trichloroethene Concentration: 46.2 ppb

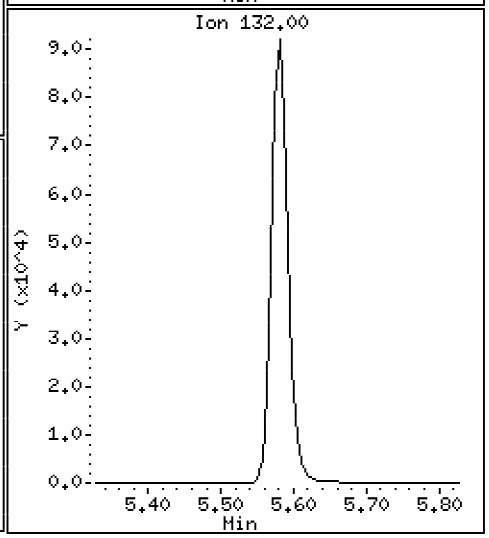


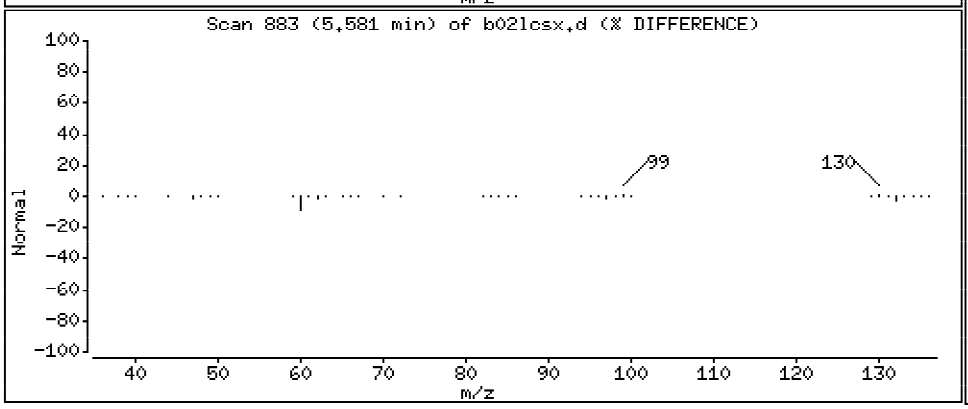












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d Page 48

Date : 15-JAN-2014 12:23

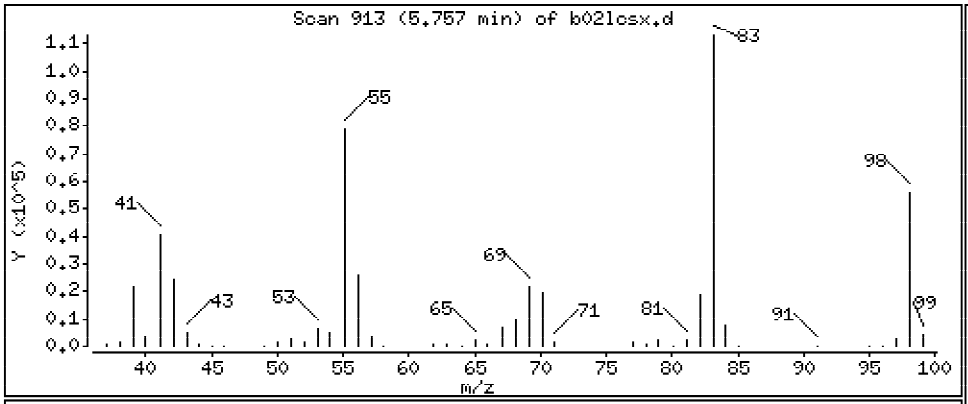
Client ID: 1039438 Instrument: 50mv4b.i

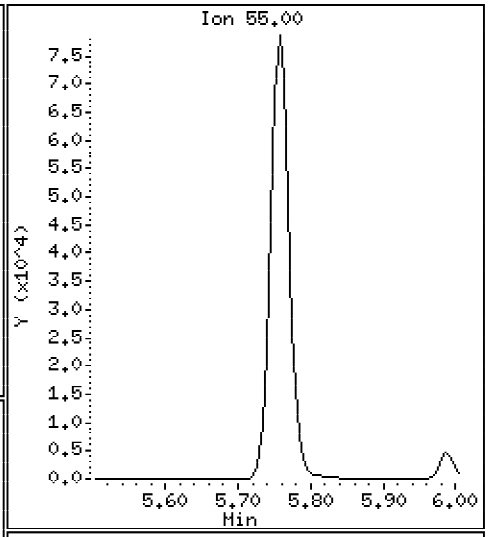
Sample Info: 1039438,59952:5

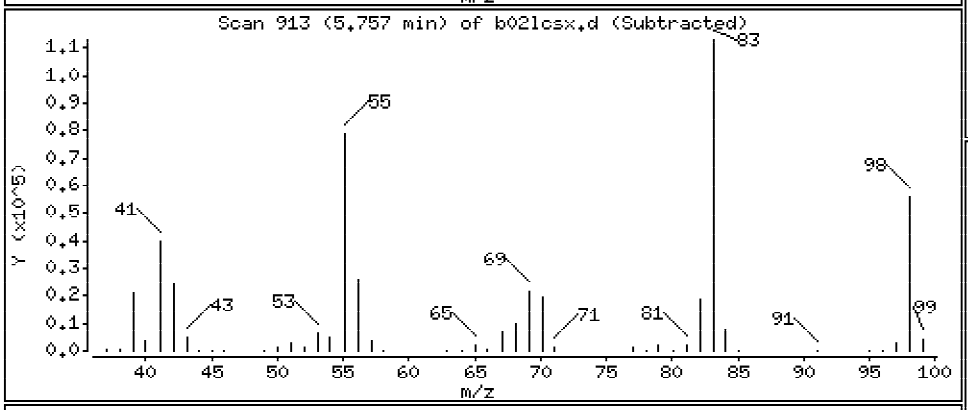
Purge Volume: 5.0 Operator: rsw

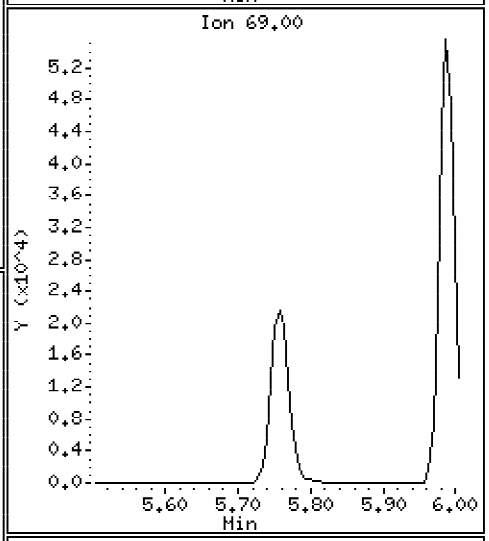
Column phase: DB-624 Column diameter: 0.18

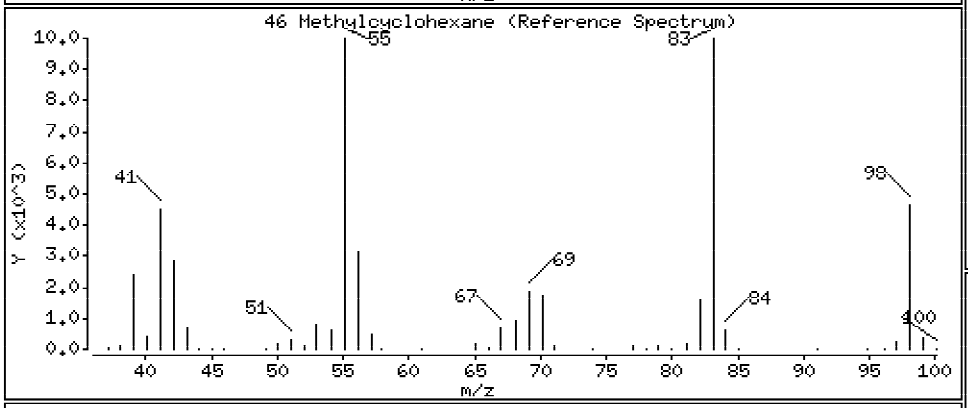
46 Methylcyclohexane Concentration: 51.1 ppb

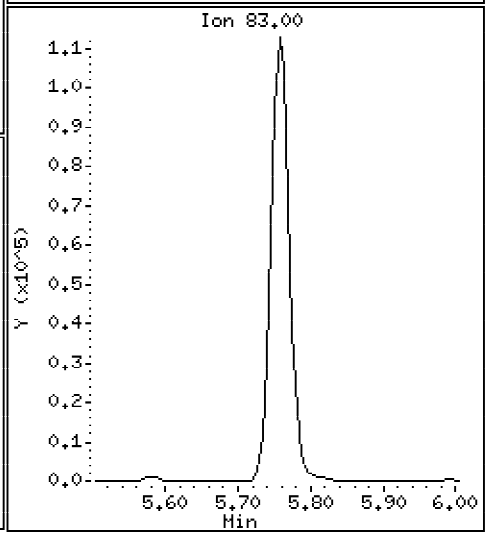


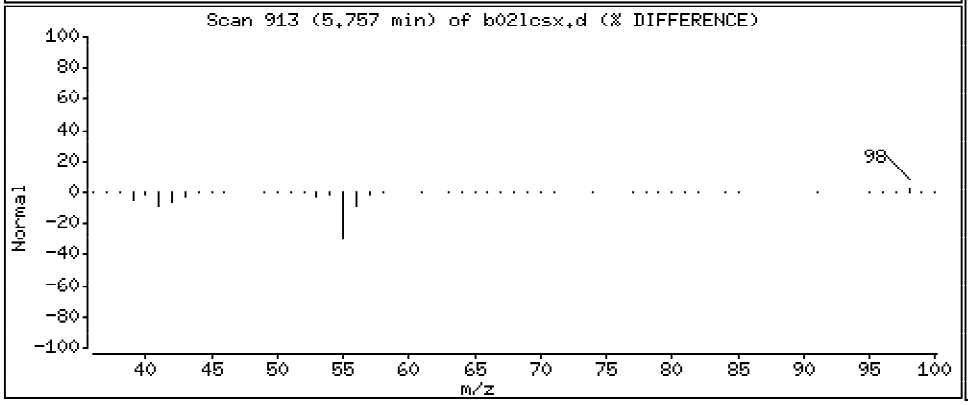












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d Page 49

Date : 15-JAN-2014 12:23

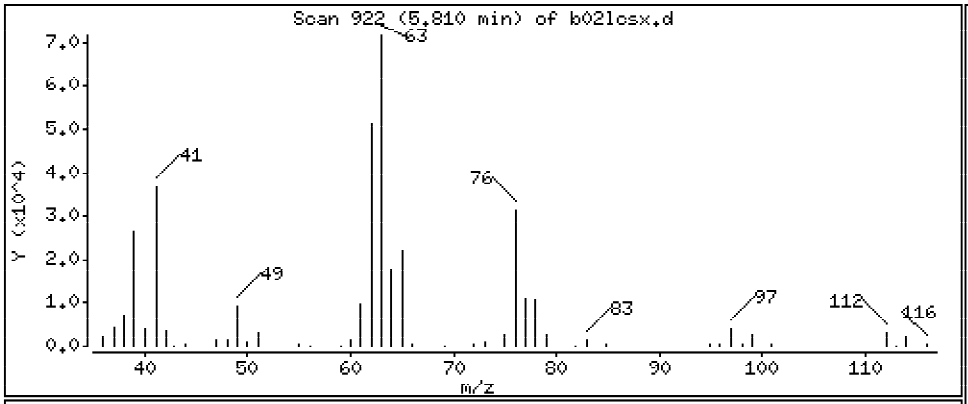
Client ID: 1039438 Instrument: 50mv4b.i

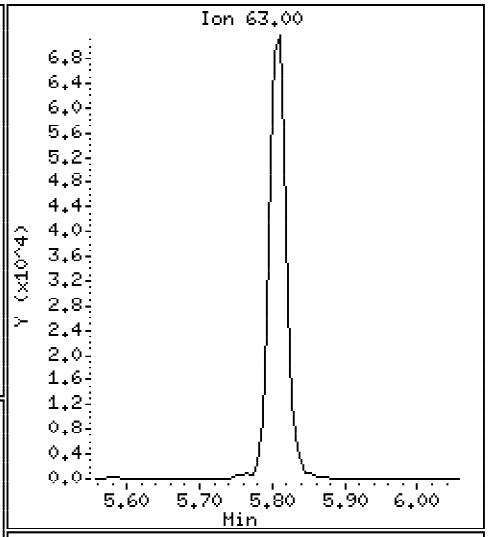
Sample Info: 1039438,59952:5

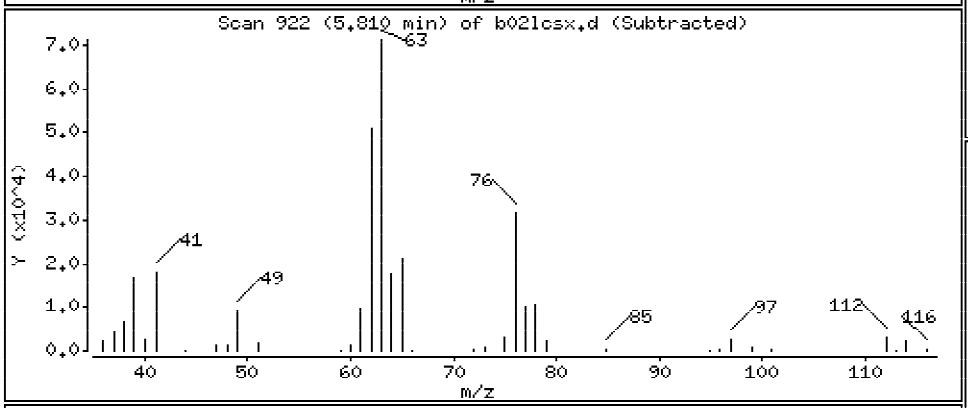
Purge Volume: 5.0 Operator: rsw

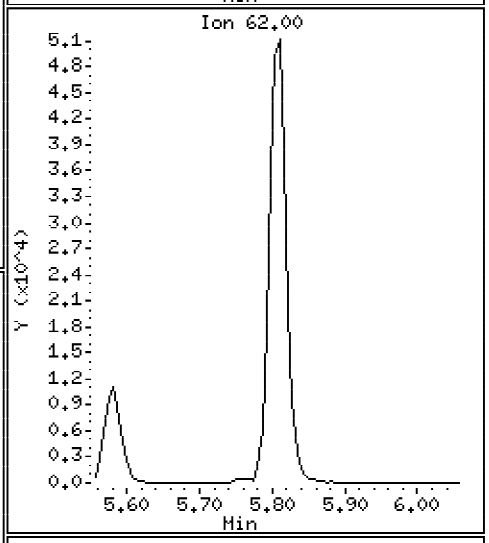
Column phase: DB-624 Column diameter: 0.18

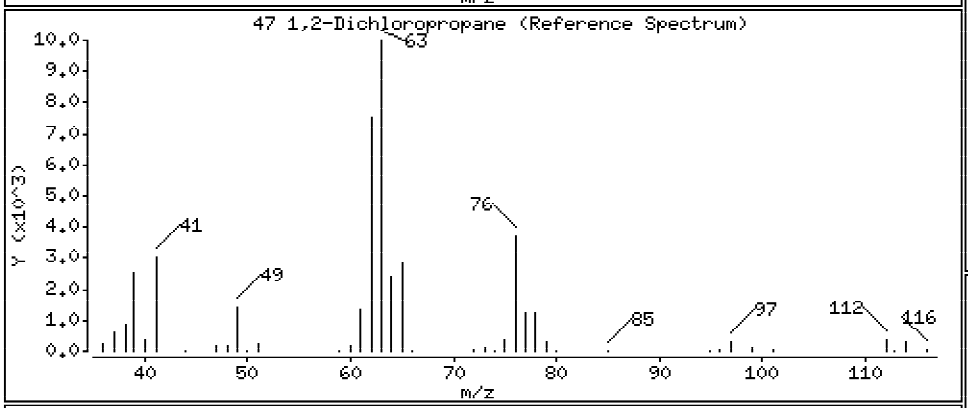
47 1,2-Dichloropropane Concentration: 45.3 ppb

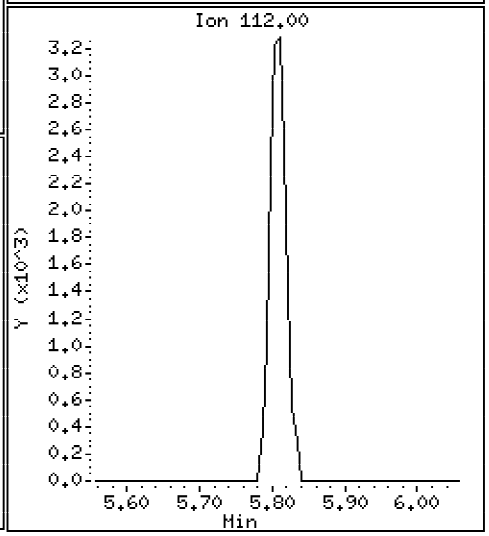


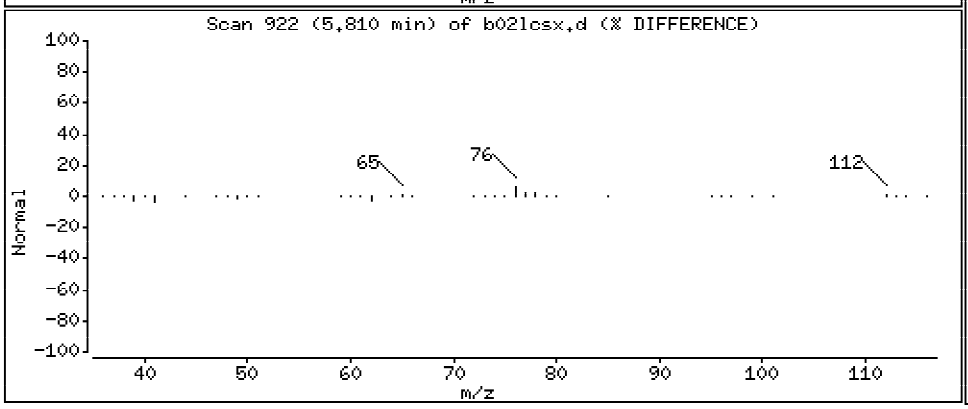












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d Page 50

Date : 15-JAN-2014 12:23

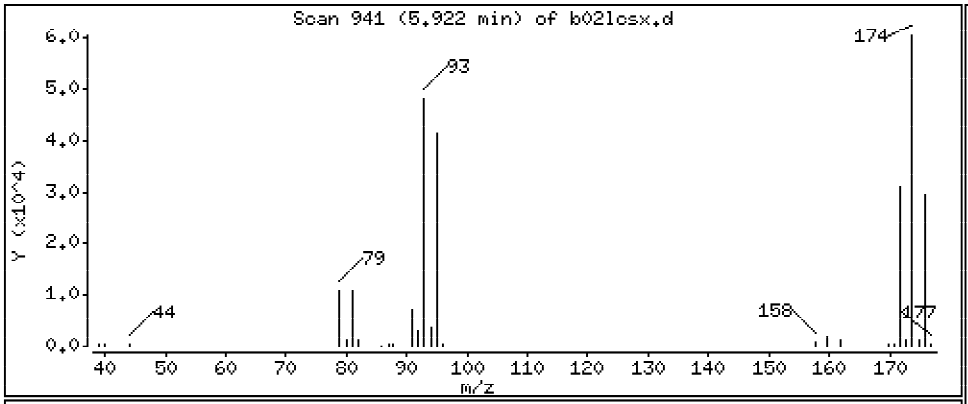
Client ID: 1039438 Instrument: 50mv4b.i

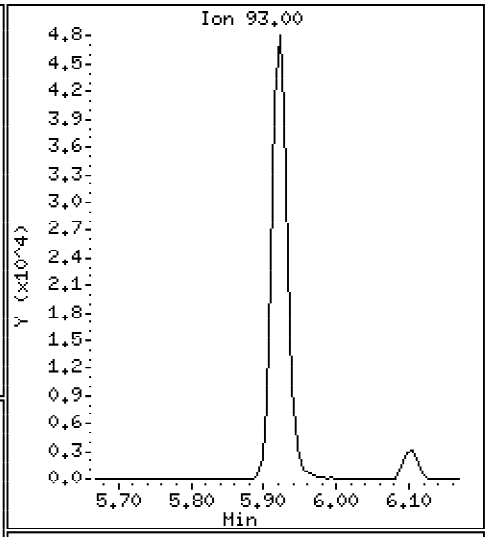
Sample Info: 1039438,59952:5

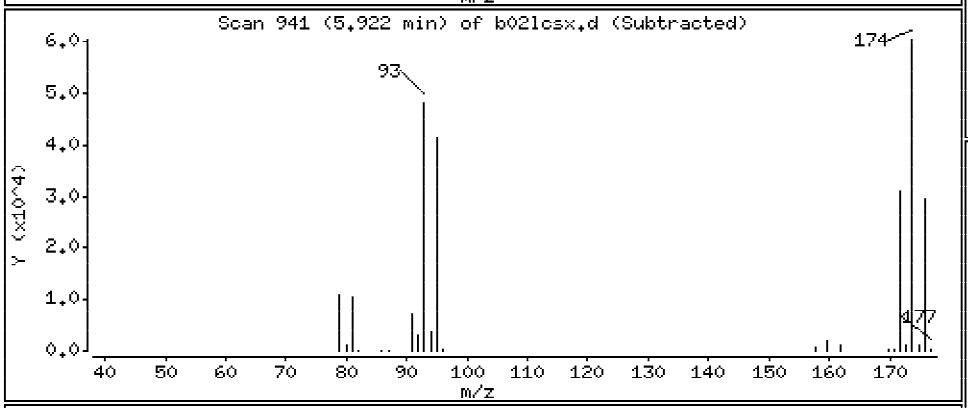
Purge Volume: 5.0 Operator: rsw

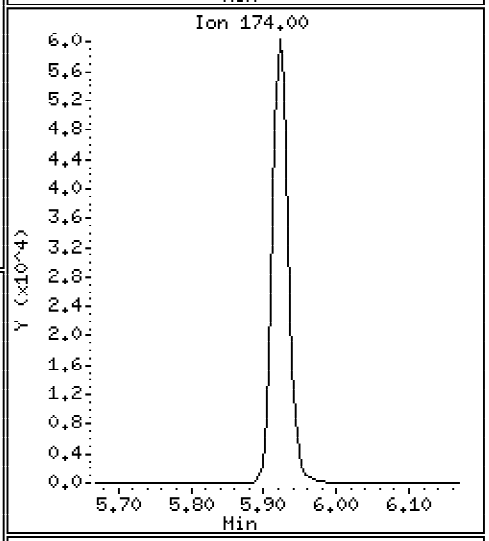
Column phase: DB-624 Column diameter: 0.18

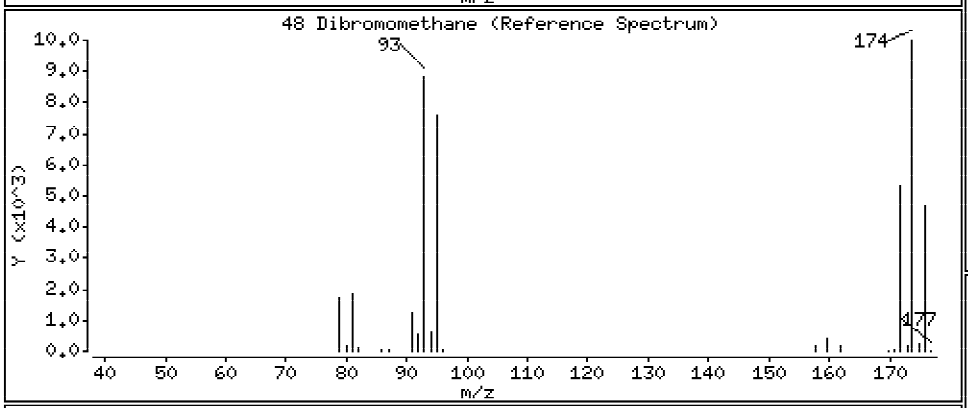
48 Dibromomethane Concentration: 45.5 ppb

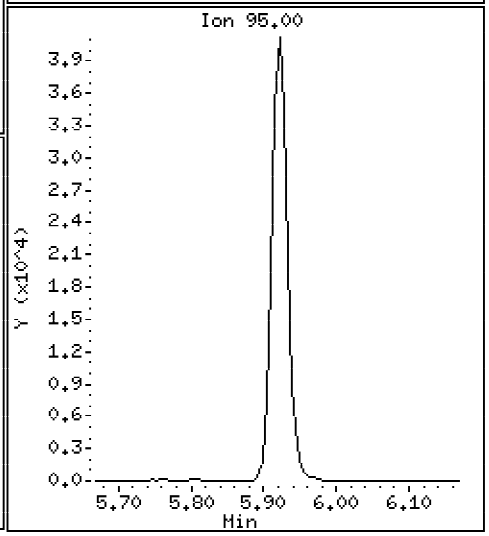


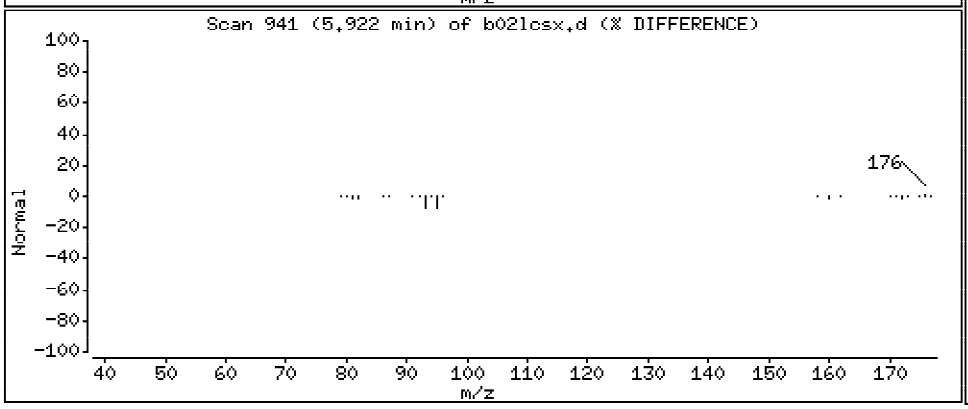












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d Page 51

Date : 15-JAN-2014 12:23

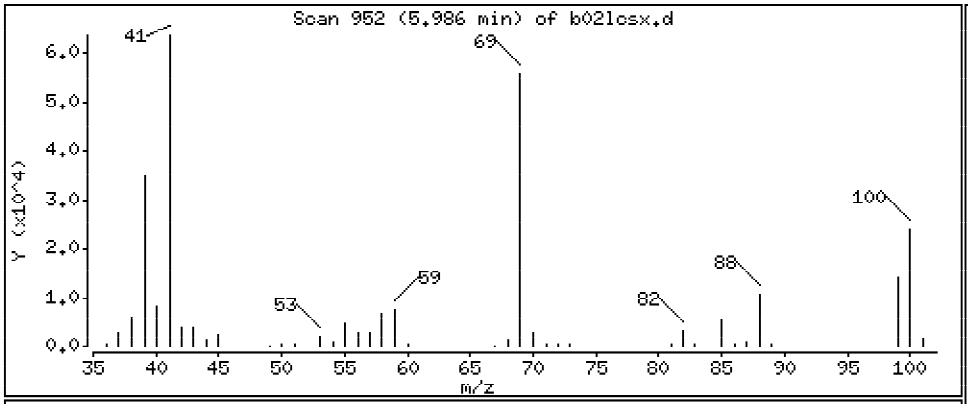
Client ID: 1039438 Instrument: 50mv4b.i

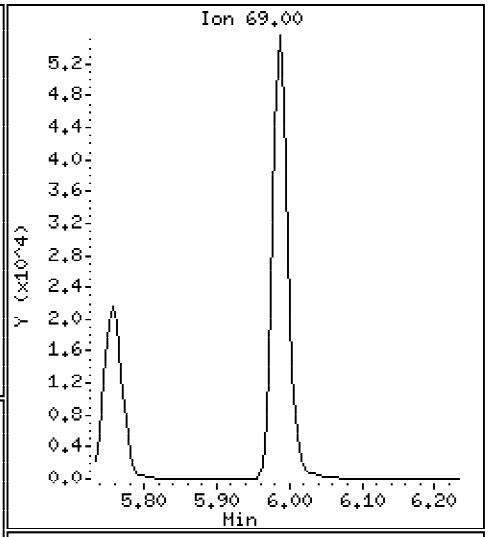
Sample Info: 1039438,59952:5

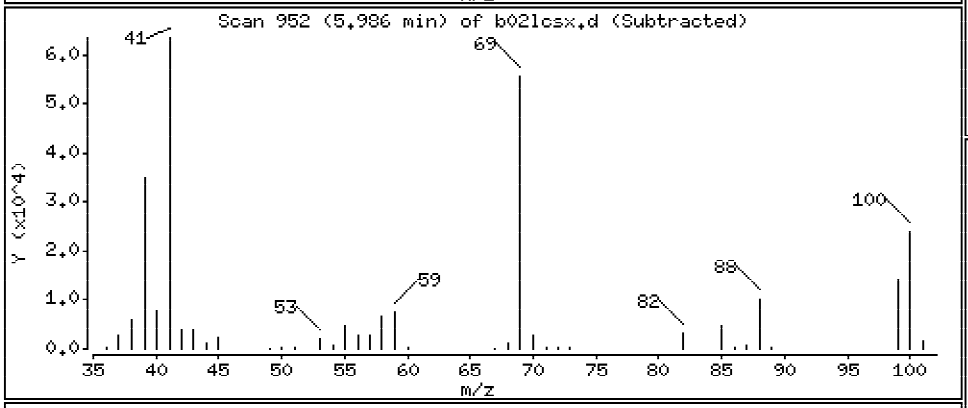
Purge Volume: 5.0 Operator: rsw

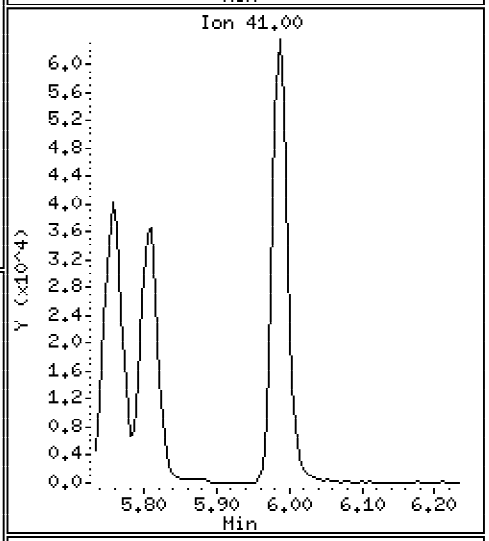
Column phase: DB-624 Column diameter: 0.18

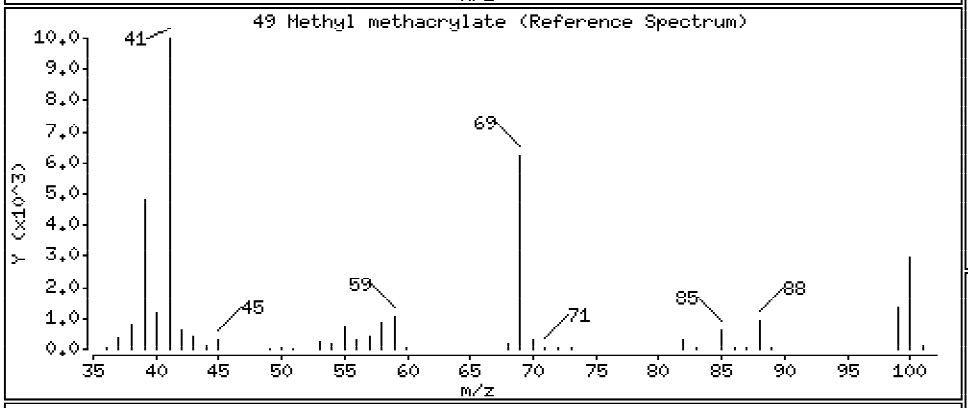
49 Methyl methacrylate Concentration: 50.9 ppb

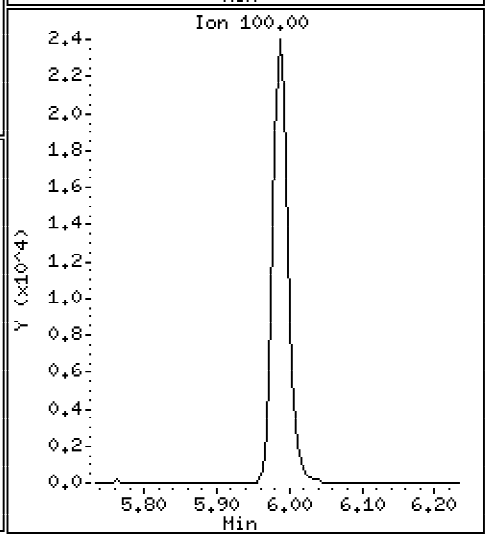


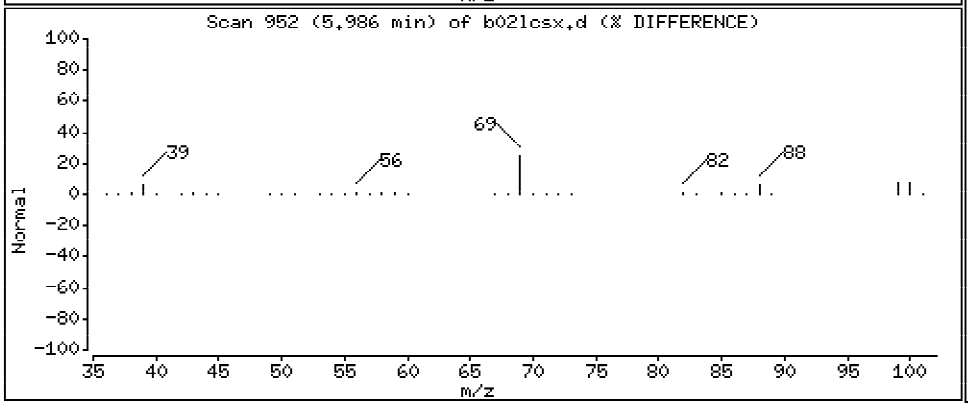












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d Page 52

Date : 15-JAN-2014 12:23

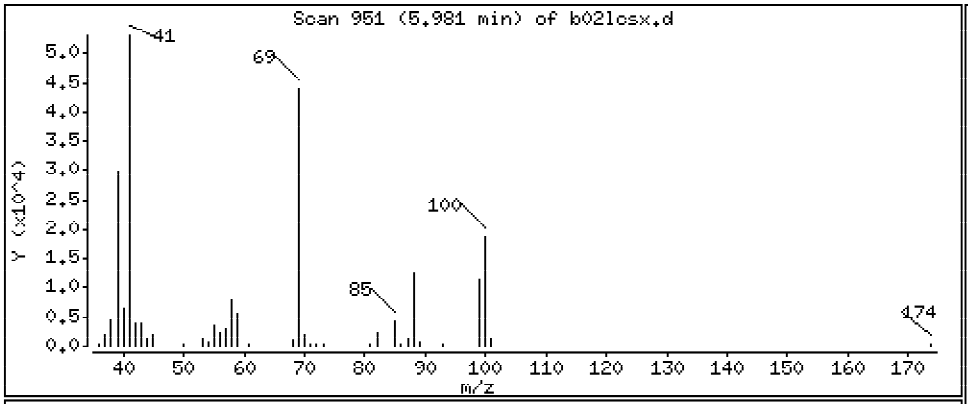
Client ID: 1039438 Instrument: 50mv4b.i

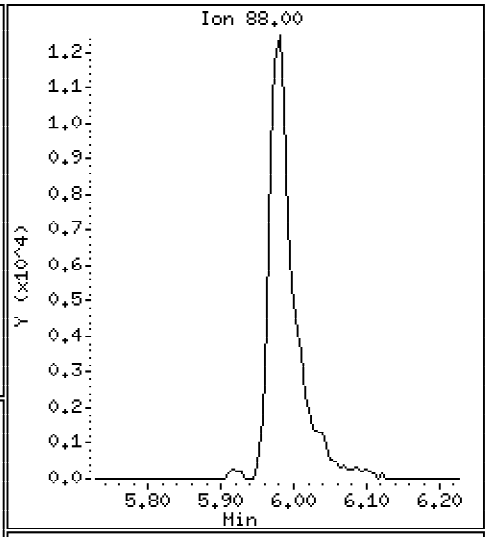
Sample Info: 1039438,59952:5

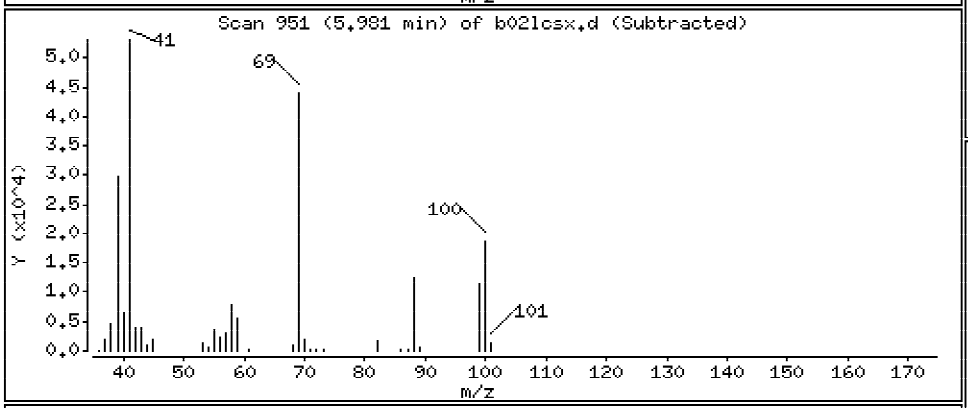
Purge Volume: 5.0 Operator: rsw

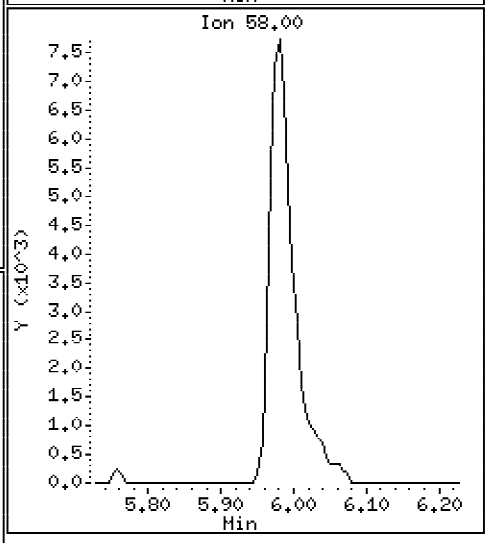
Column phase: DB-624 Column diameter: 0.18

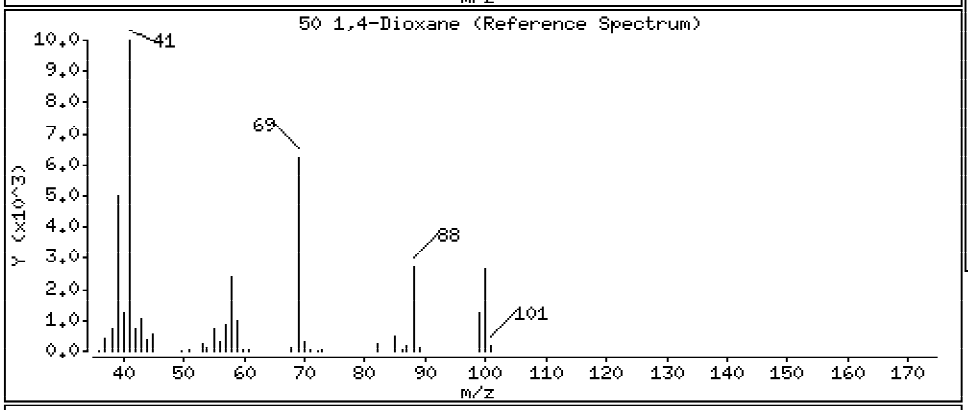
50 1,4-Dioxane Concentration: 980 ppb

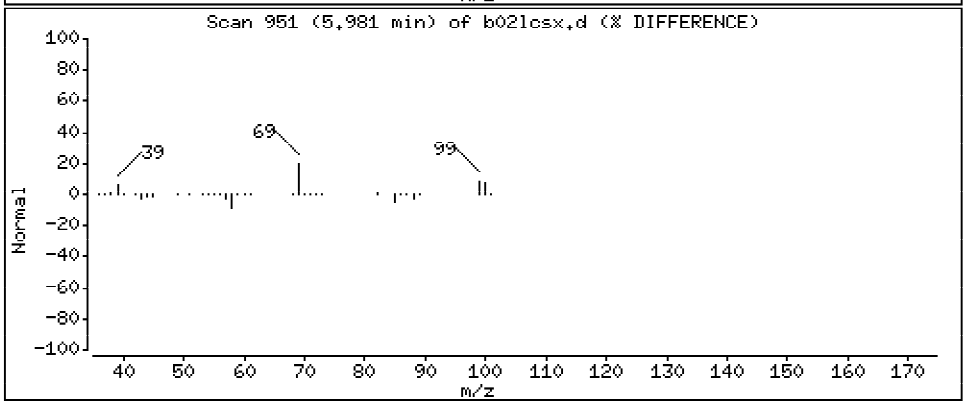












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d Page 53

Date : 15-JAN-2014 12:23

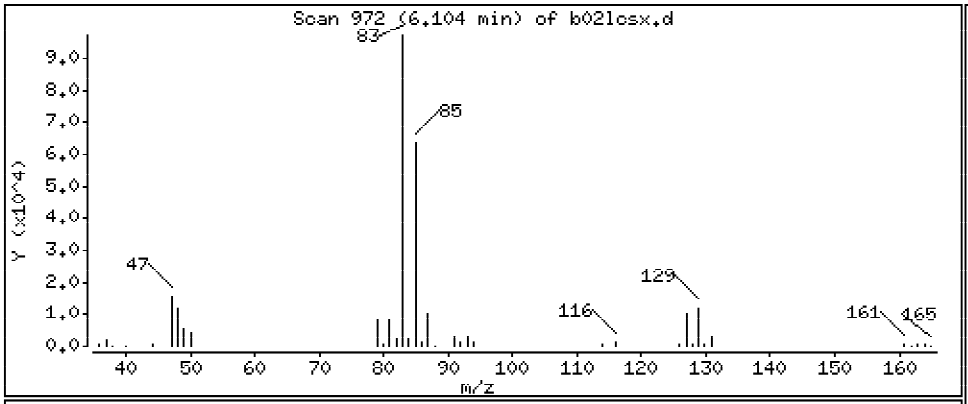
Client ID: 1039438 Instrument: 50mv4b.i

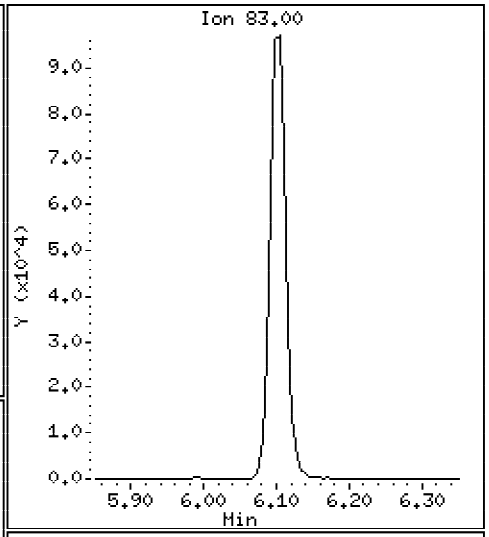
Sample Info: 1039438,59952:5

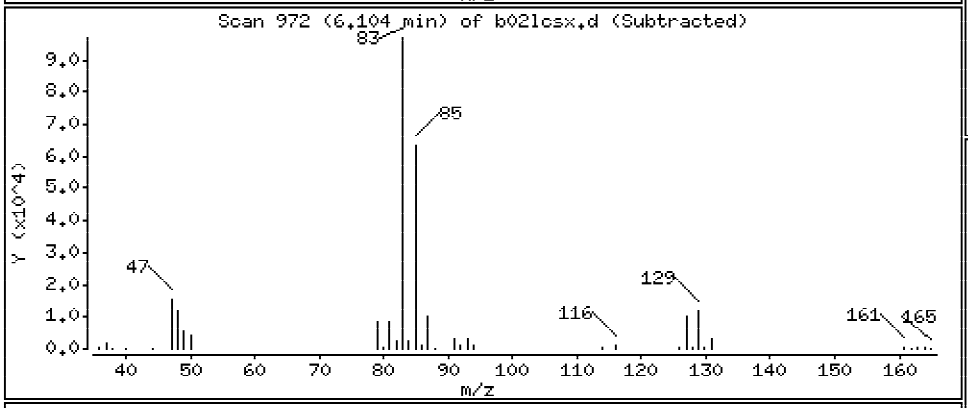
Purge Volume: 5.0 Operator: rsw

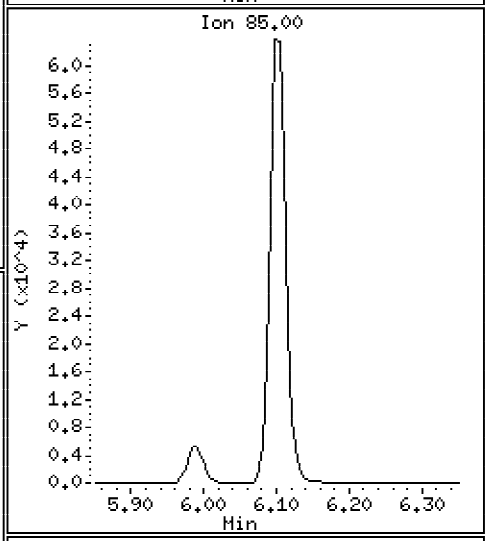
Column phase: DB-624 Column diameter: 0.18

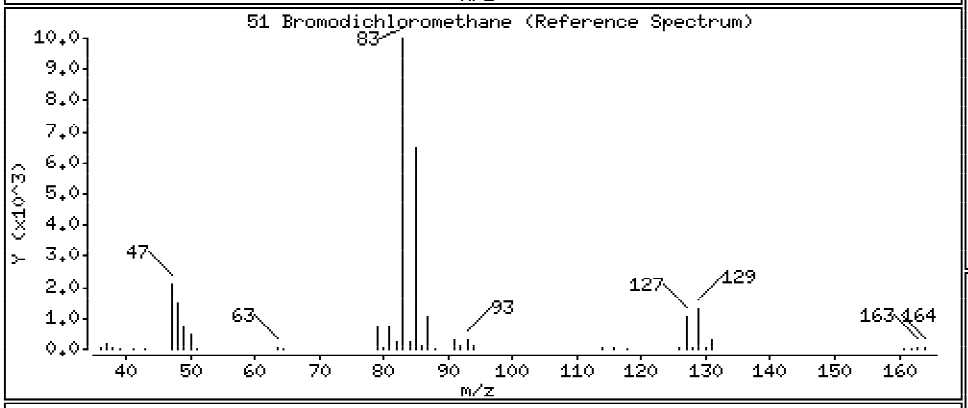
51 Bromodichloromethane Concentration: 48.5 ppb

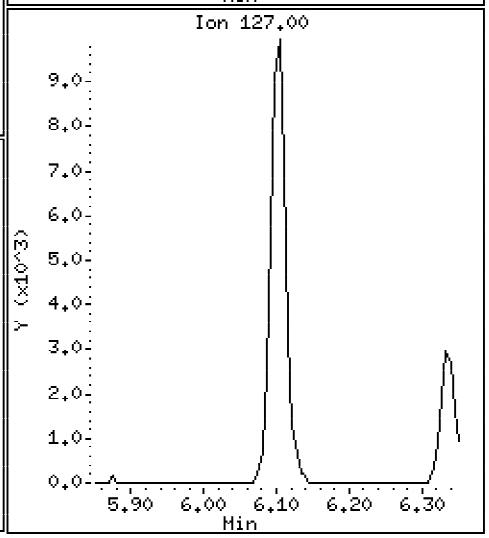


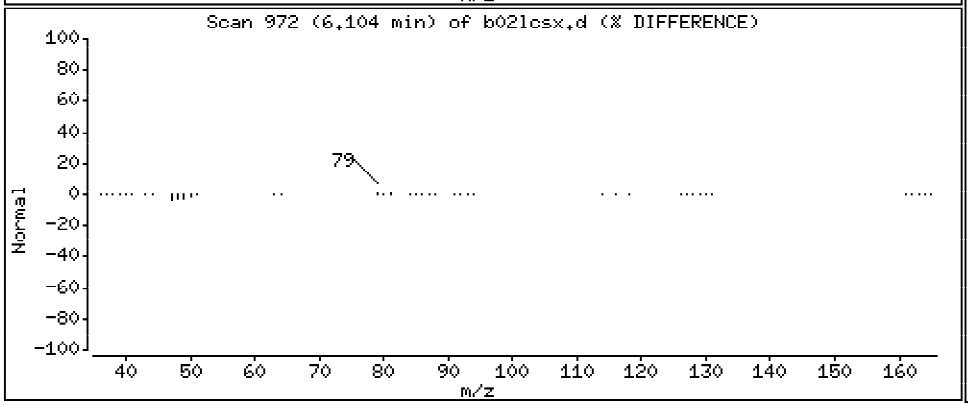












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d Page 54

Date : 15-JAN-2014 12:23

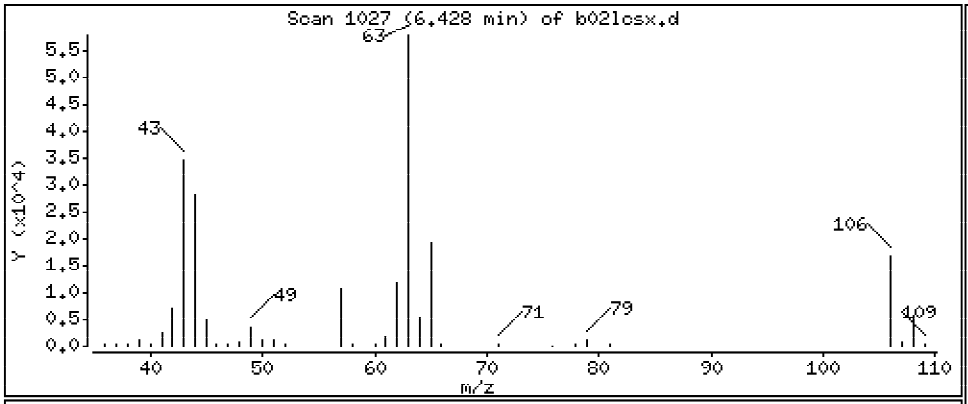
Client ID: 1039438 Instrument: 50mv4b.i

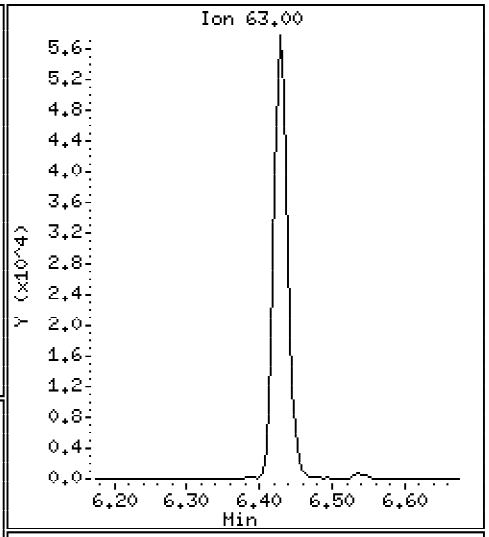
Sample Info: 1039438,59952:5

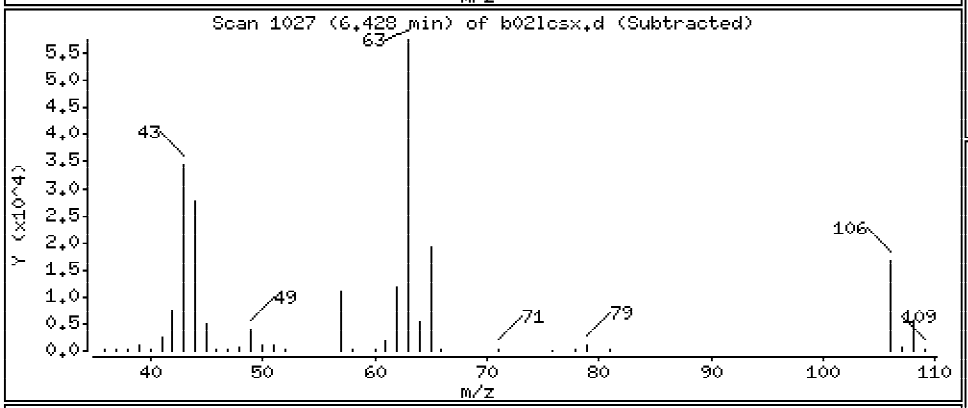
Purge Volume: 5.0 Operator: rsw

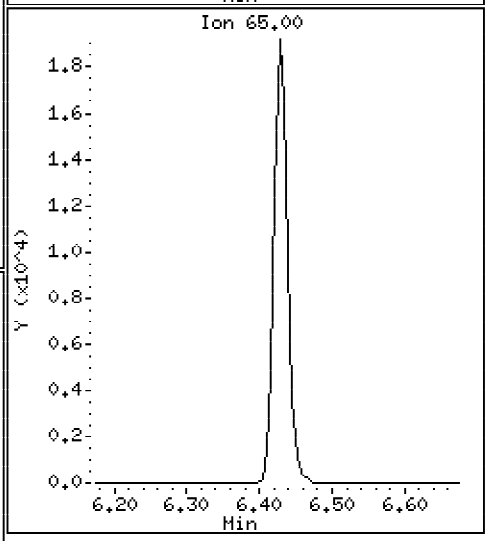
Column phase: DB-624 Column diameter: 0.18

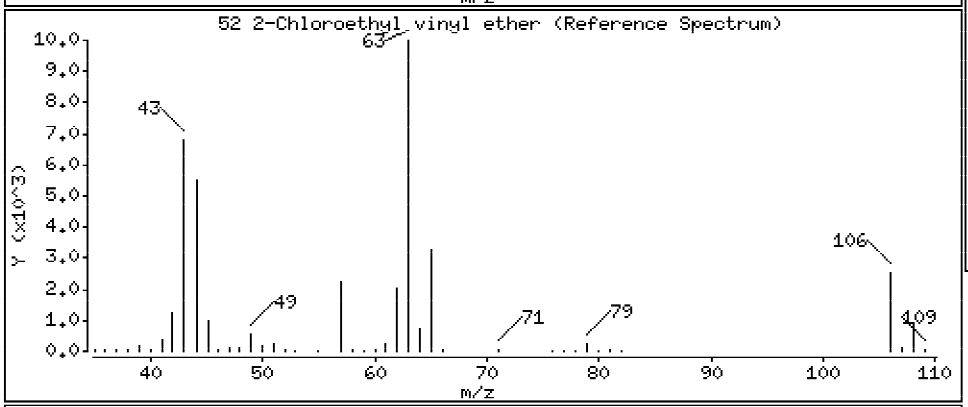
52 2-Chloroethyl vinyl ether Concentration: 49.1 ppb

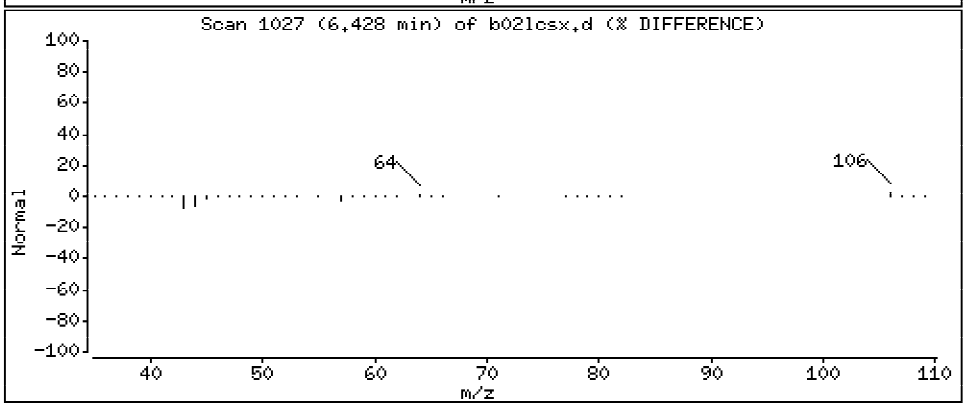












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d Page 55

Date : 15-JAN-2014 12:23

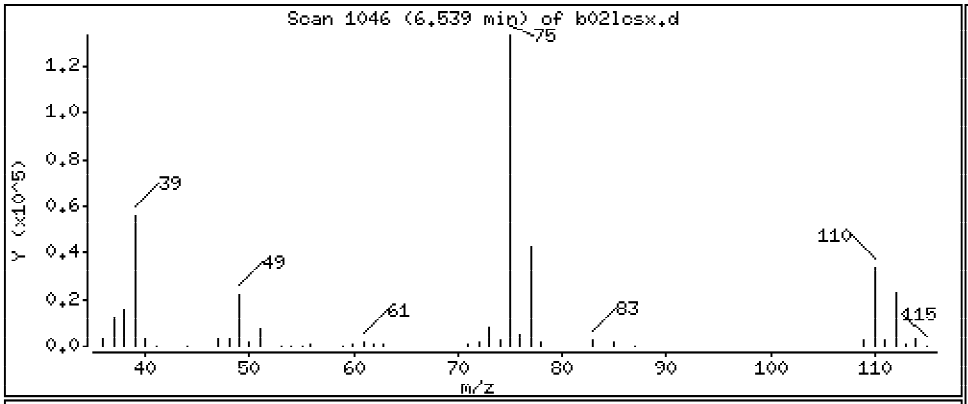
Client ID: 1039438 Instrument: 50mv4b.i

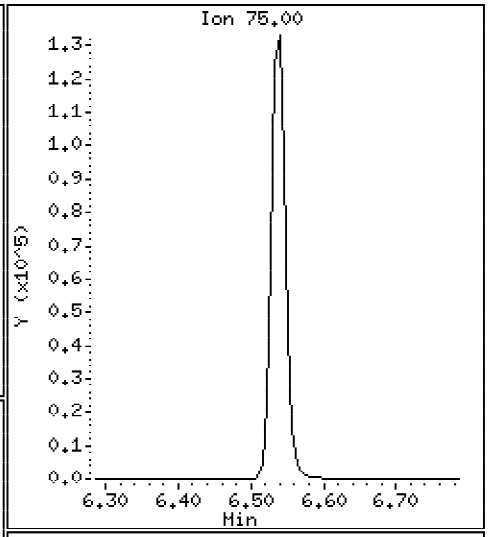
Sample Info: 1039438,59952:5

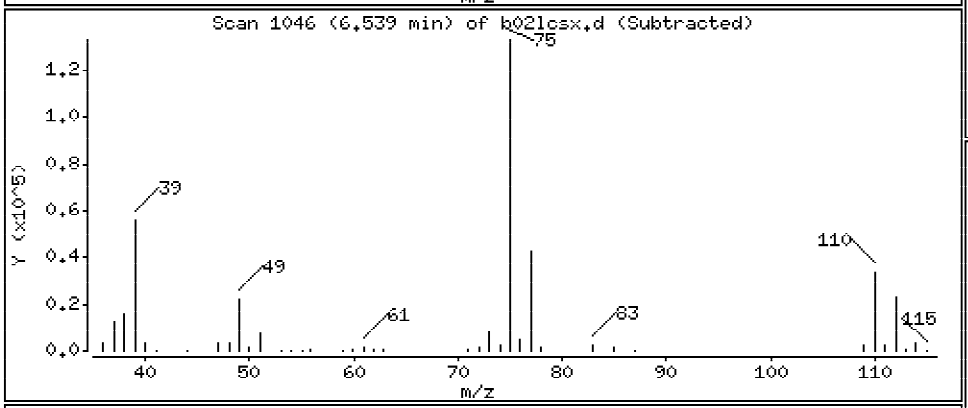
Purge Volume: 5.0 Operator: rsw

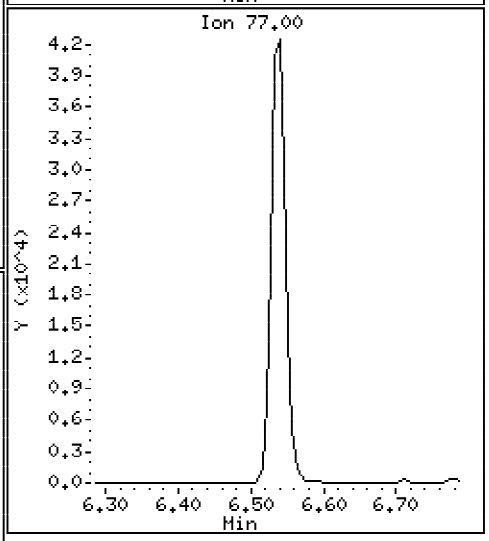
Column phase: DB-624 Column diameter: 0.18

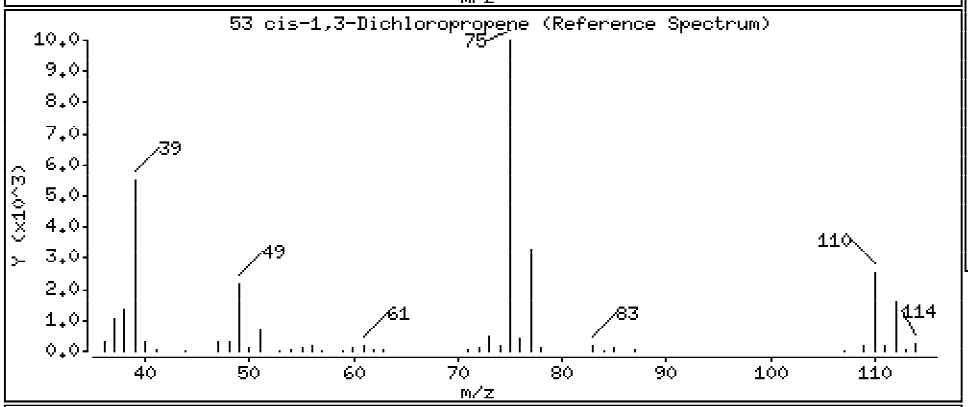
53 cis-1,3-Dichloropropene Concentration: 50.9 ppb

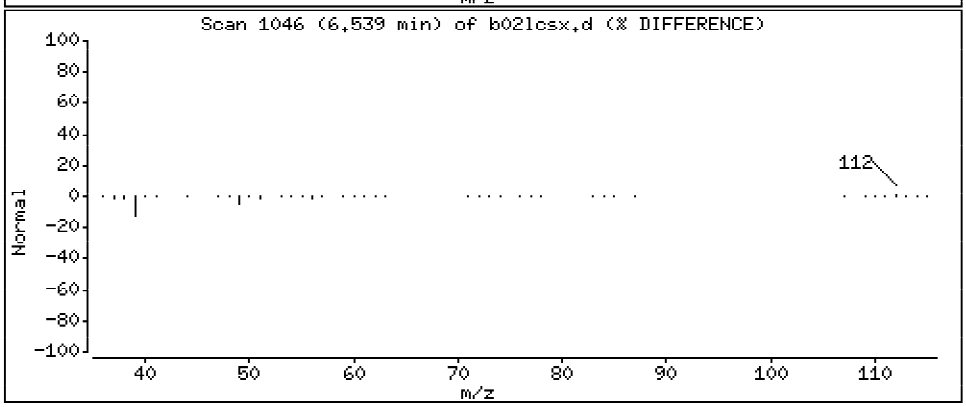












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d Page 56

Date : 15-JAN-2014 12:23

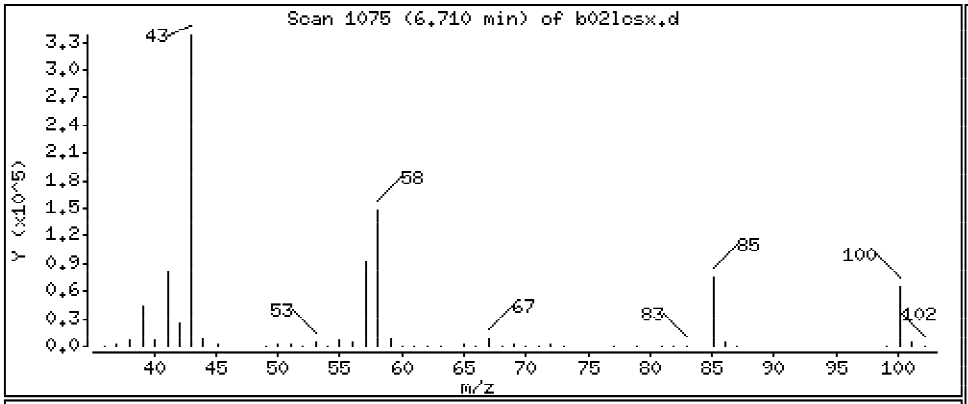
Client ID: 1039438 Instrument: 50mv4b.i

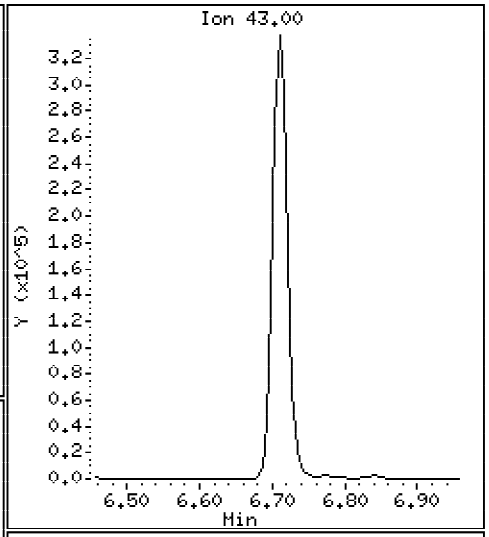
Sample Info: 1039438,59952:5

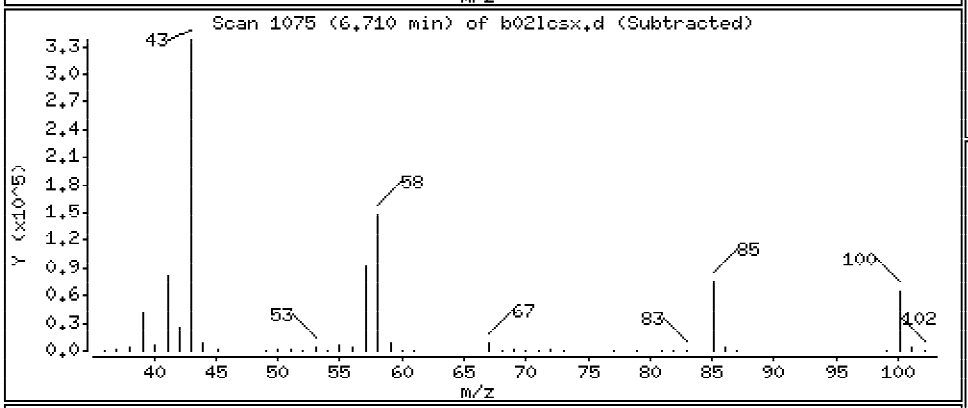
Purge Volume: 5.0 Operator: rsw

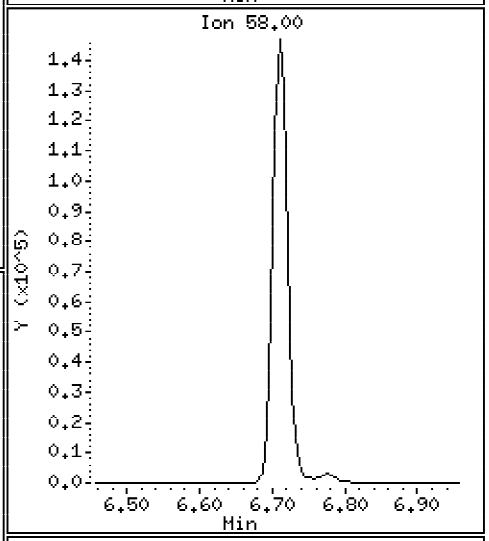
Column phase: DB-624 Column diameter: 0.18

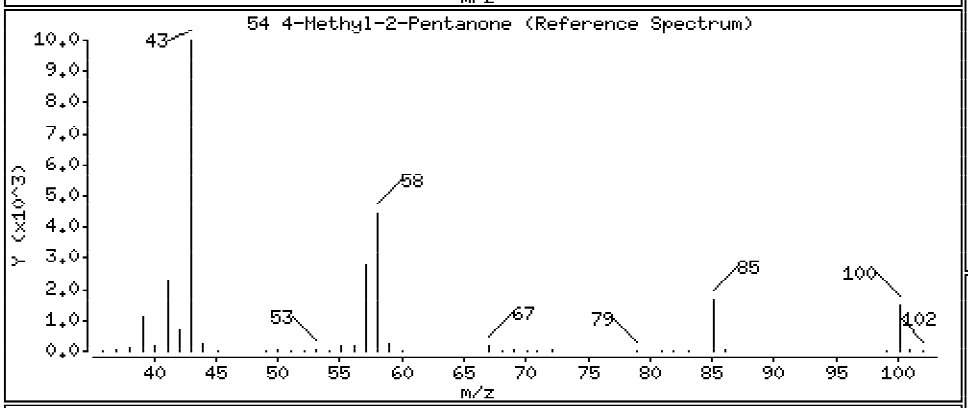
54 4-Methyl-2-Pentanone Concentration: 275 ppb

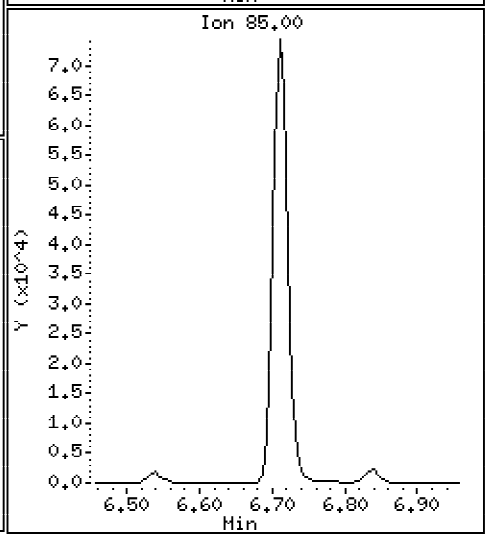


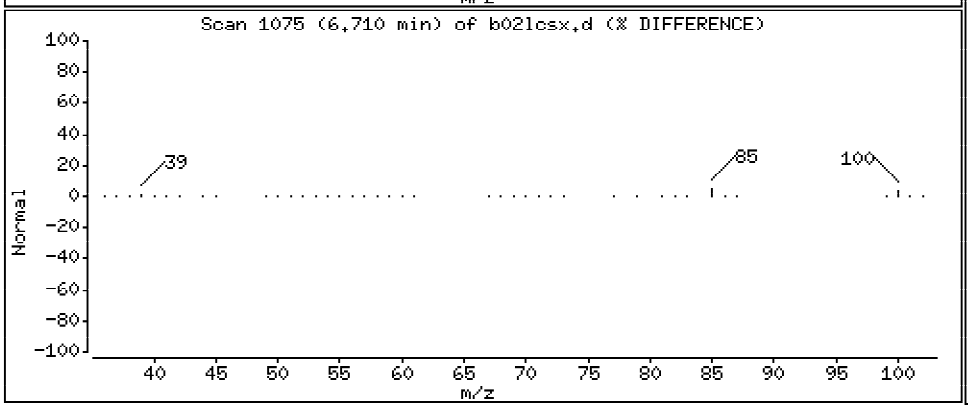












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d Page 57

Date : 15-JAN-2014 12:23

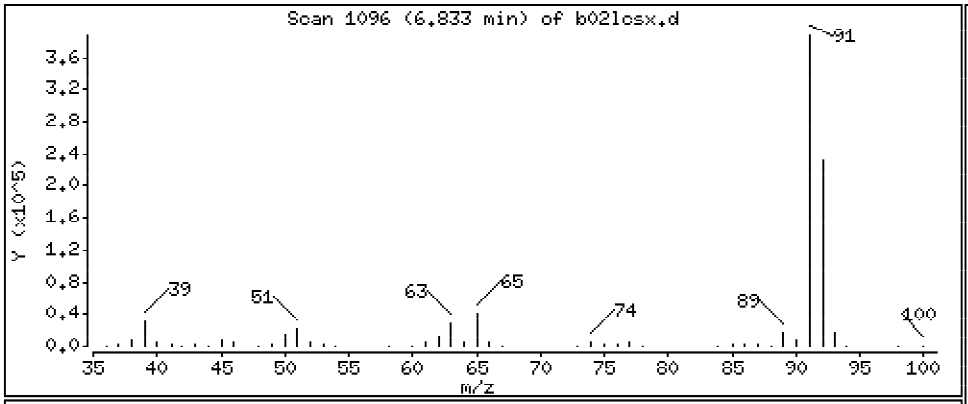
Client ID: 1039438 Instrument: 50mv4b.i

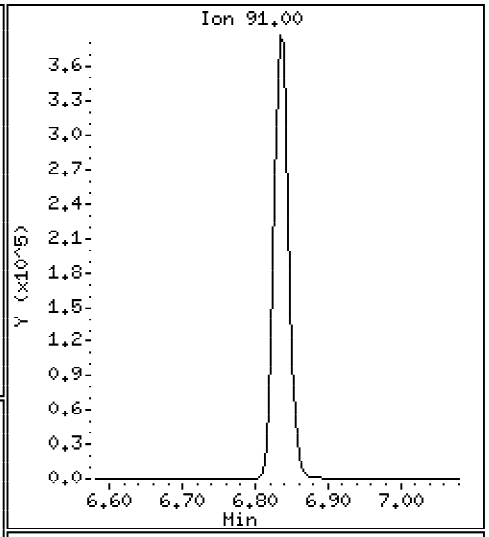
Sample Info: 1039438,59952:5

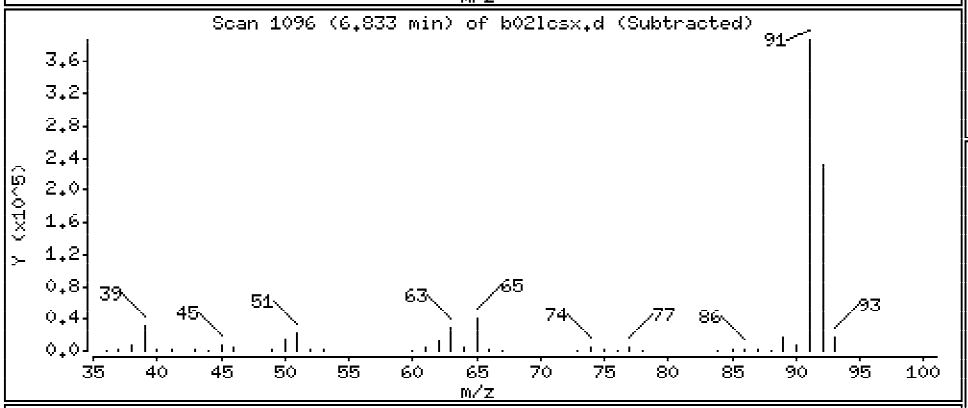
Purge Volume: 5.0 Operator: rsw

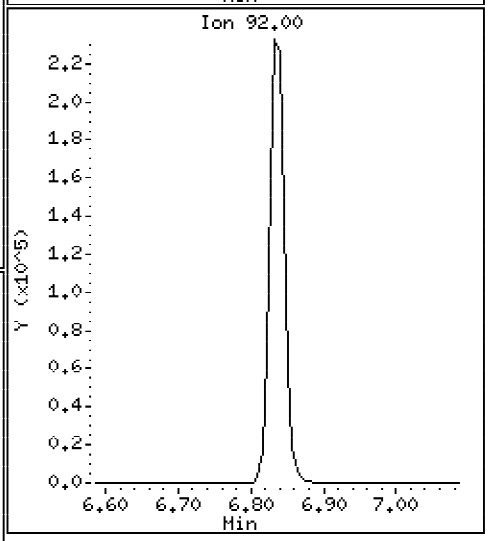
Column phase: DB-624 Column diameter: 0.18

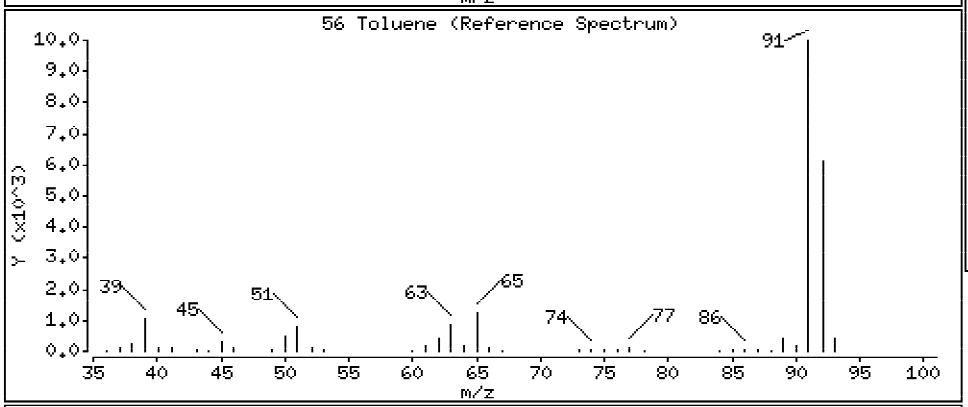
56 Toluene Concentration: 48.2 ppb

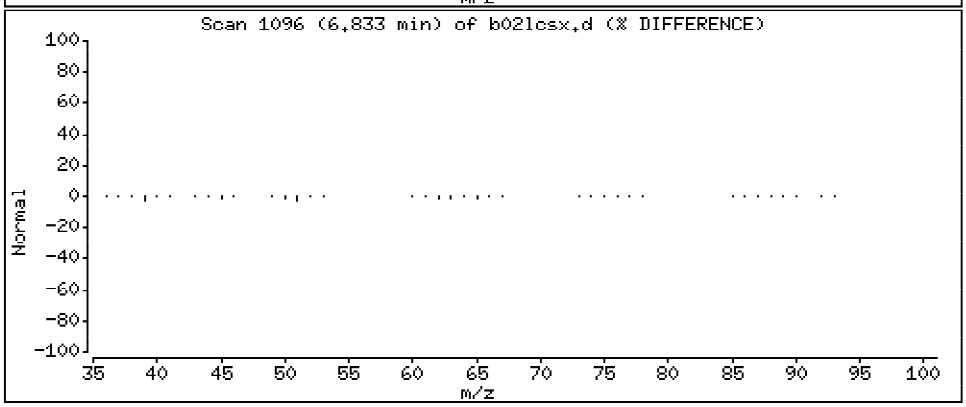












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d Page 58

Date : 15-JAN-2014 12:23

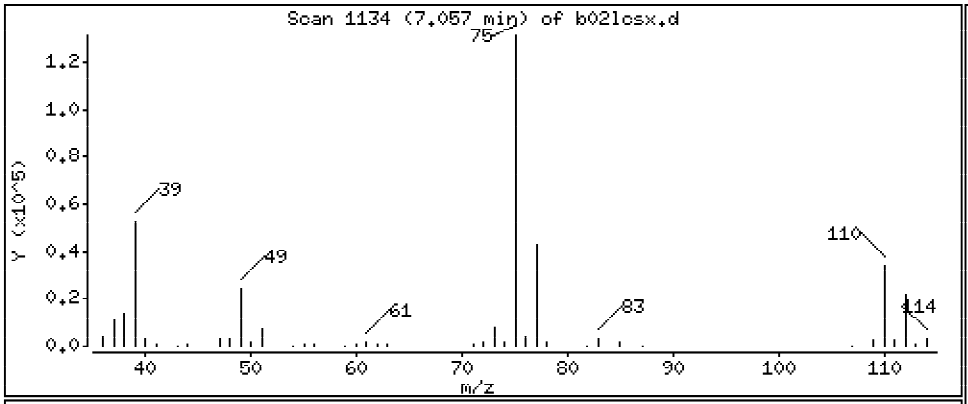
Client ID: 1039438 Instrument: 50mv4b.i

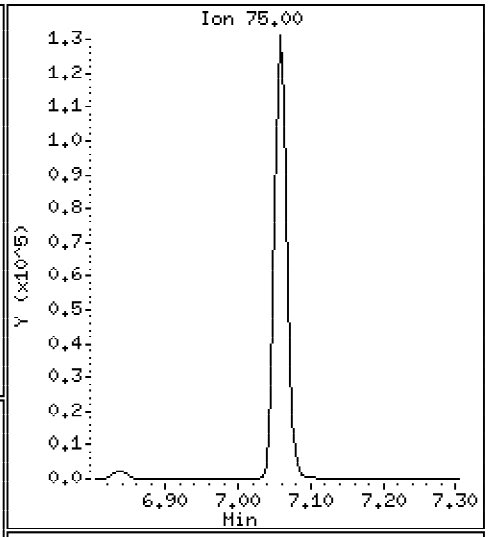
Sample Info: 1039438,59952:5

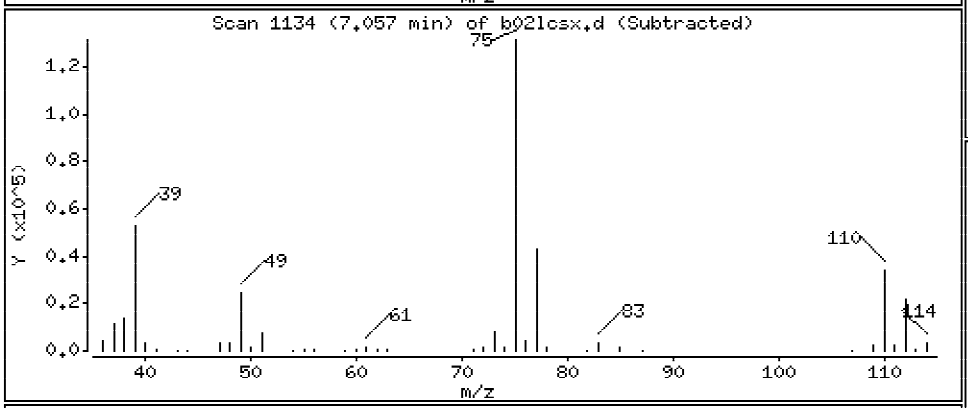
Purge Volume: 5.0 Operator: rsw

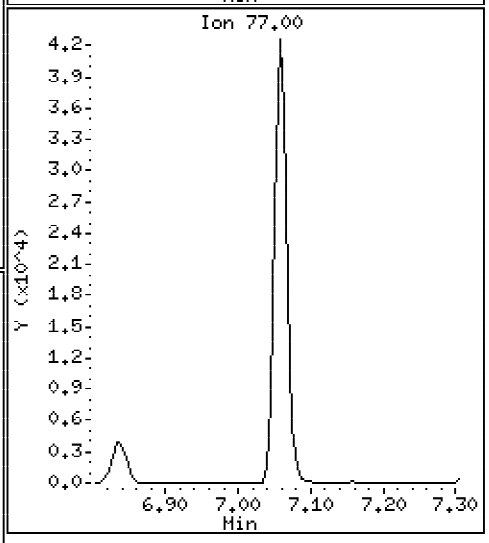
Column phase: DB-624 Column diameter: 0.18

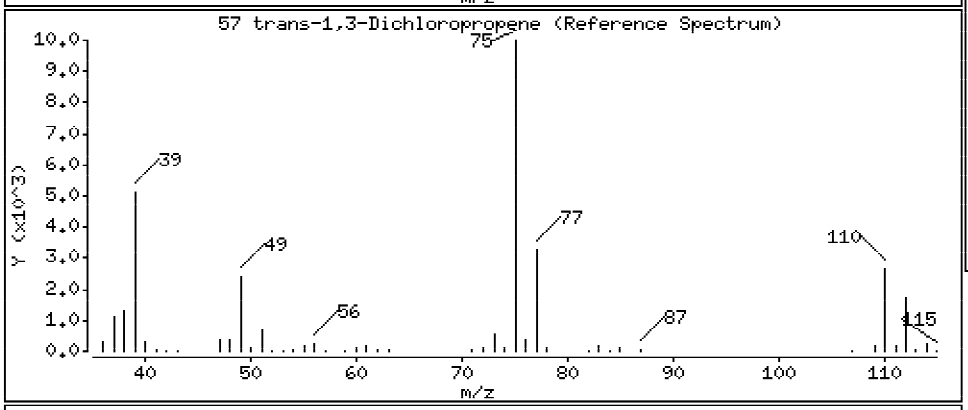
57 trans-1,3-Dichloropropene Concentration: 52.6 ppb

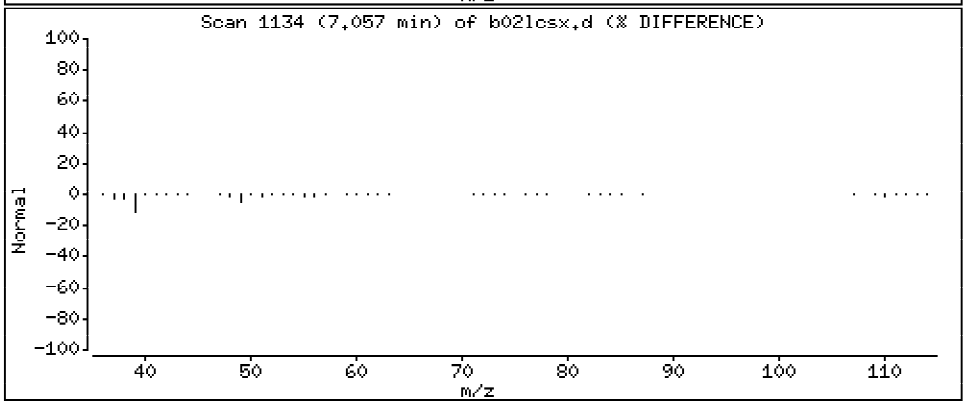












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d Page 59

Date : 15-JAN-2014 12:23

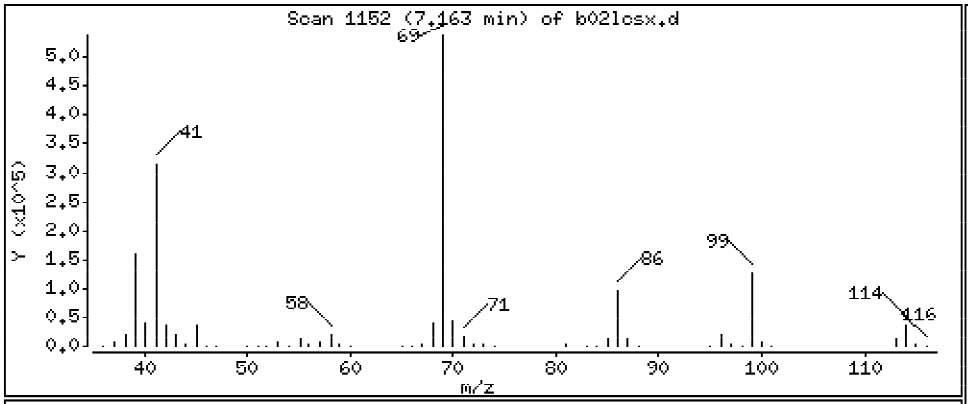
Client ID: 1039438 Instrument: 50mv4b.i

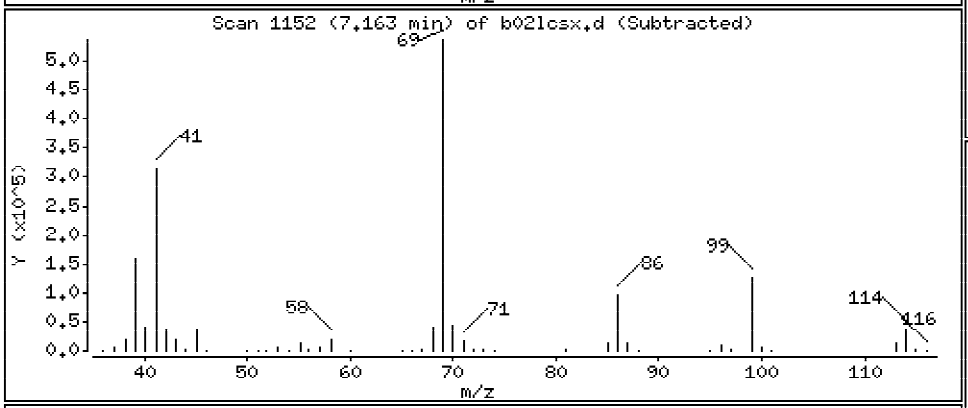
Sample Info: 1039438,59952:5

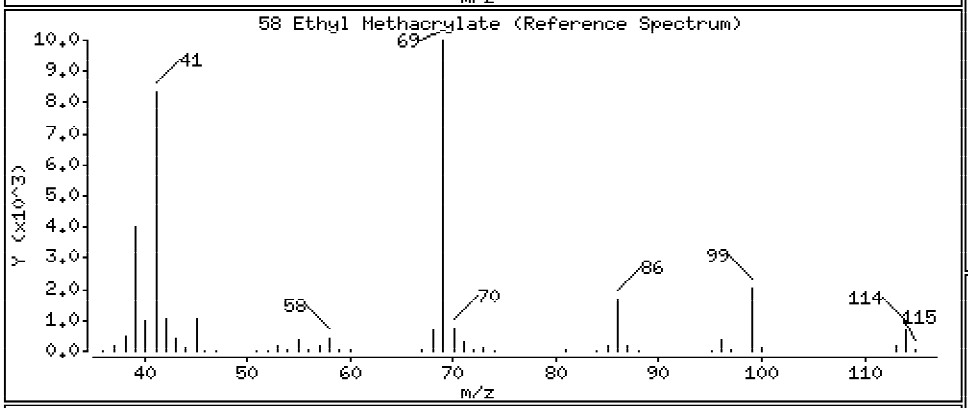
Purge Volume: 5.0 Operator: rsw

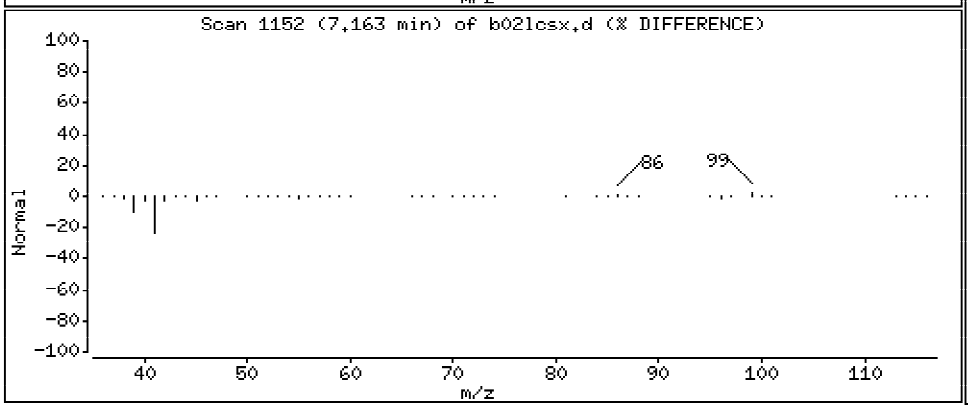
Column phase: DB-624 Column diameter: 0.18

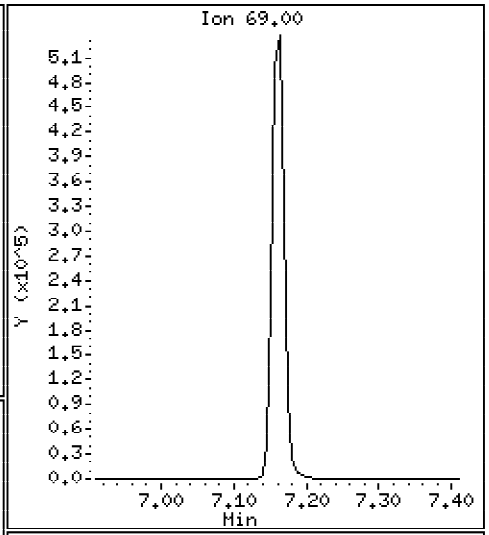
58 Ethyl Methacrylate Concentration: 216 ppb

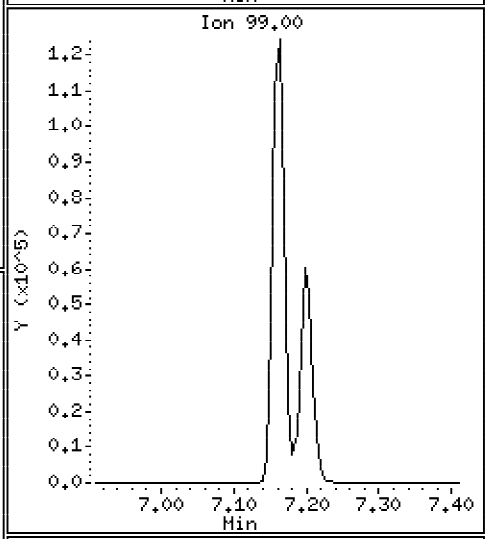


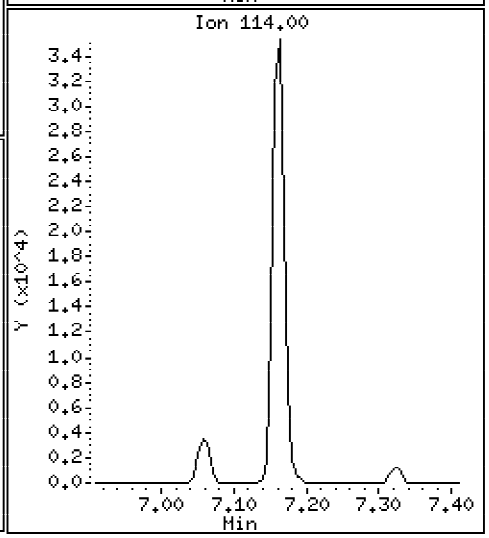












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d Page 60

Date : 15-JAN-2014 12:23

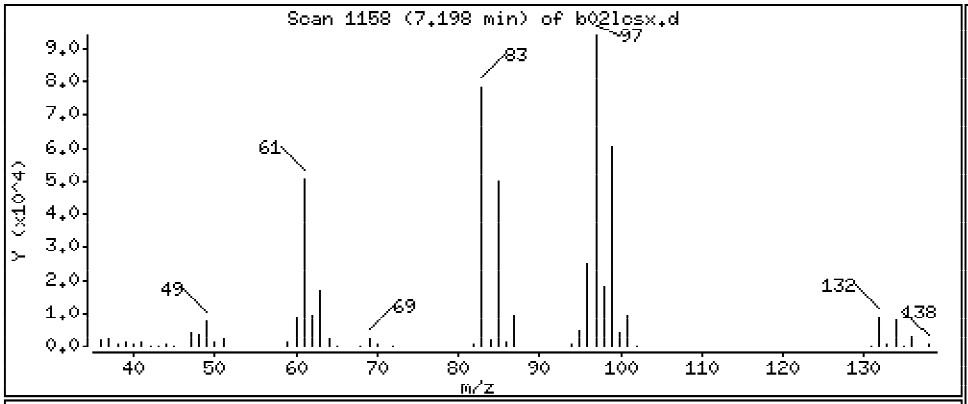
Client ID: 1039438 Instrument: 50mv4b.i

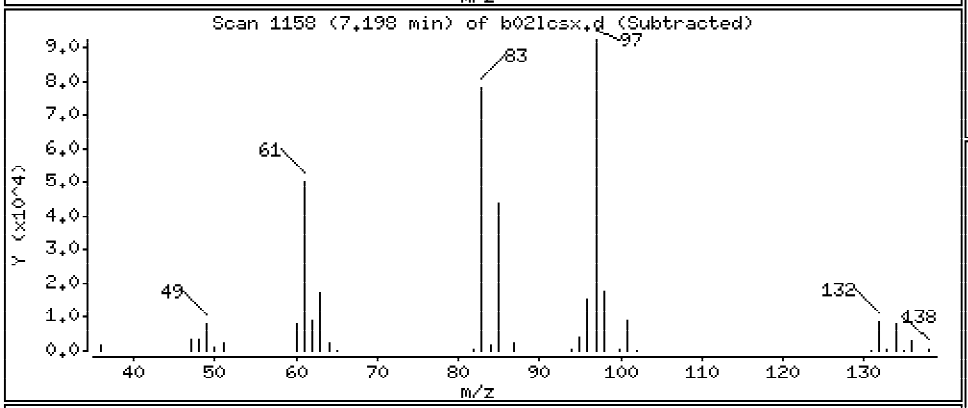
Sample Info: 1039438,59952:5

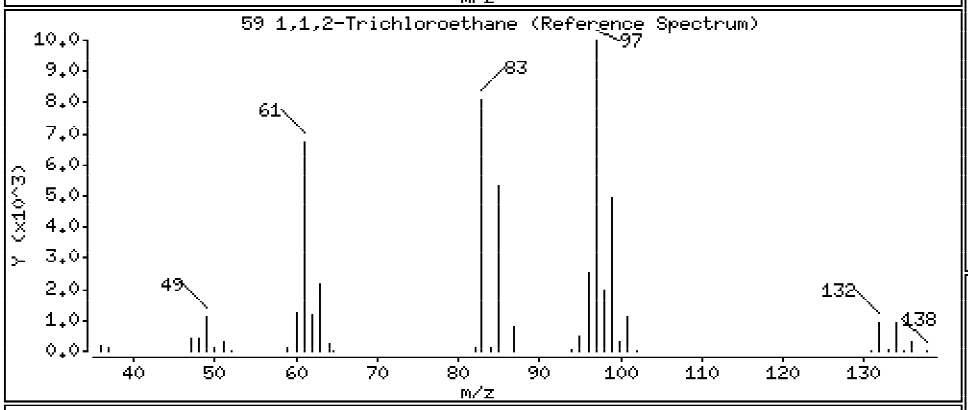
Purge Volume: 5.0 Operator: rsw

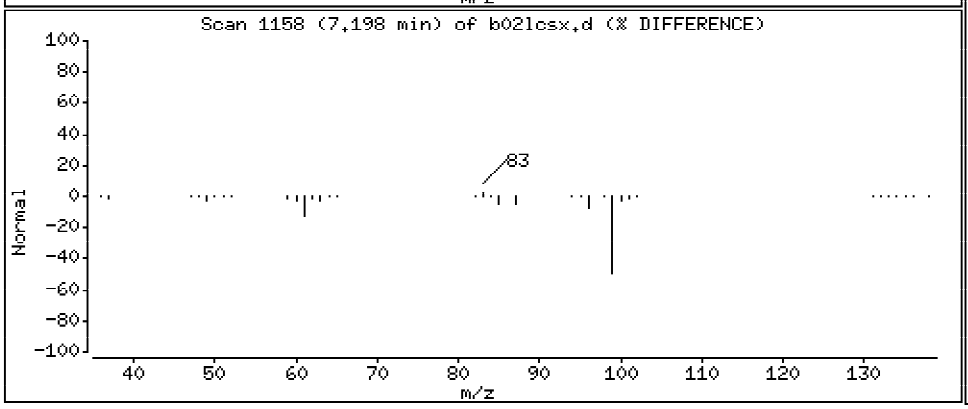
Column phase: DB-624 Column diameter: 0.18

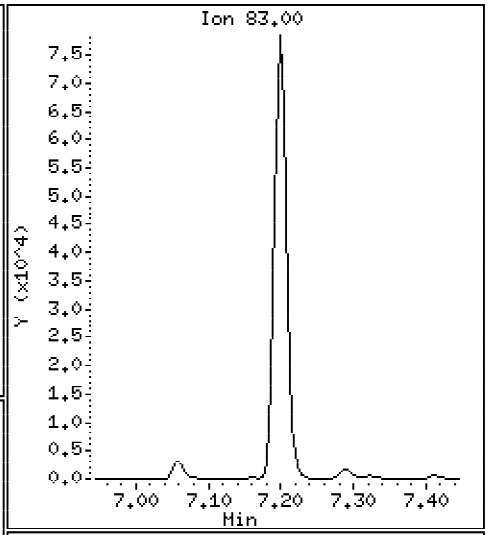
59 1,1,2-Trichloroethane Concentration: 48.5 ppb

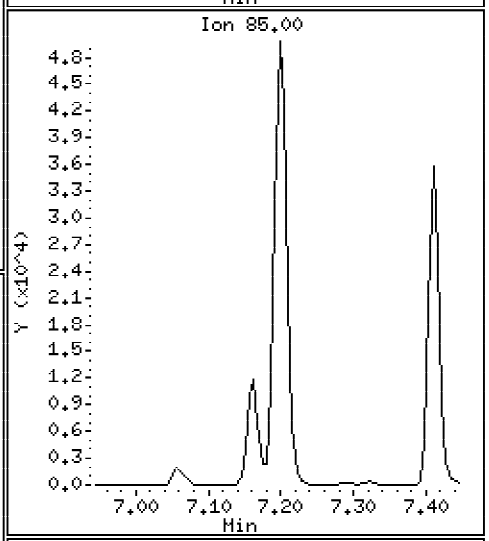


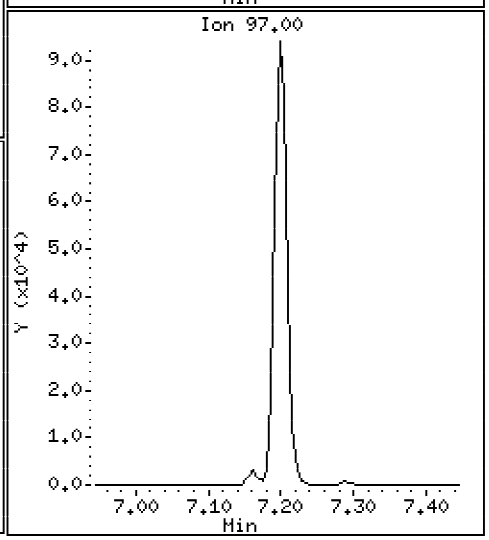












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d Page 61

Date : 15-JAN-2014 12:23

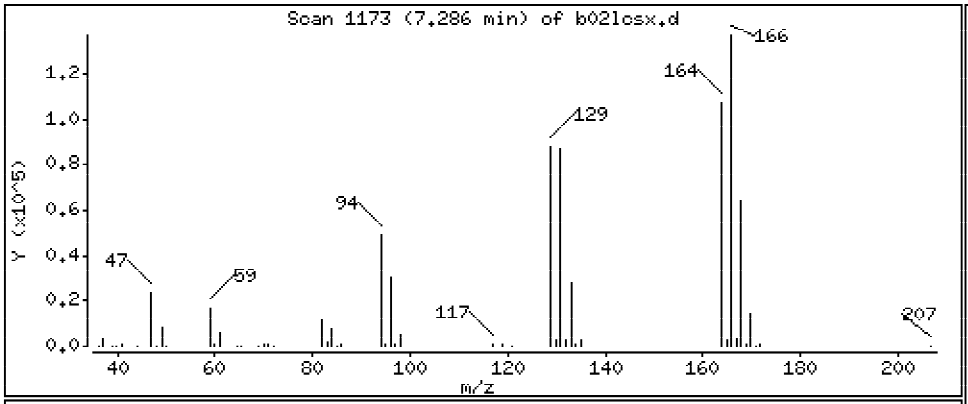
Client ID: 1039438 Instrument: 50mv4b.i

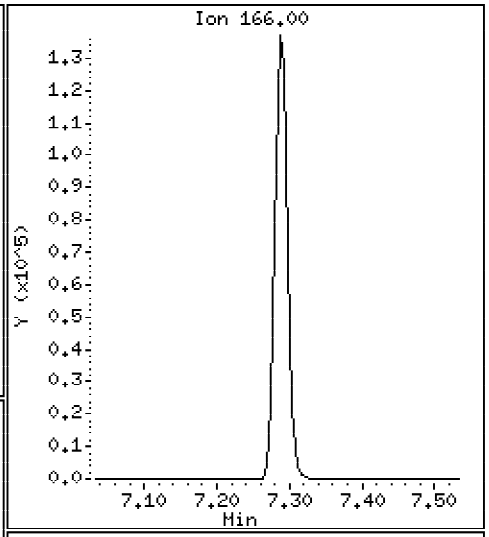
Sample Info: 1039438,59952:5

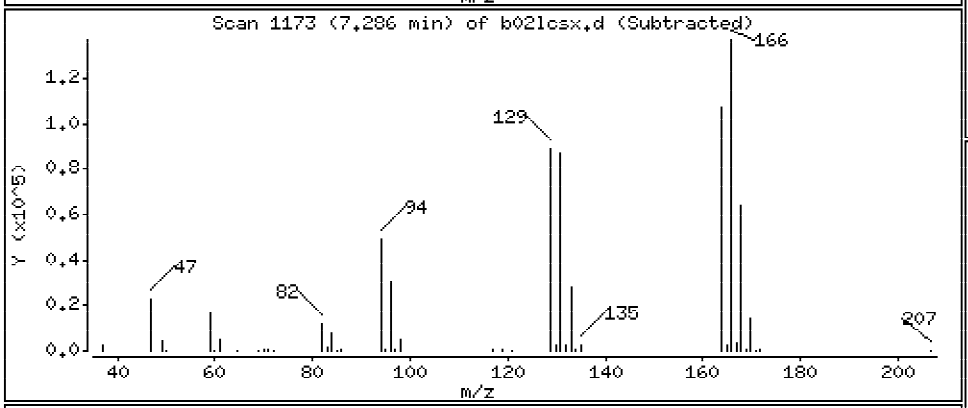
Purge Volume: 5.0 Operator: rsw

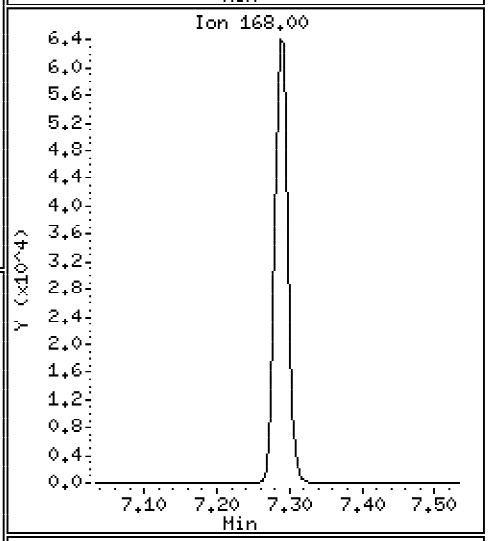
Column phase: DB-624 Column diameter: 0.18

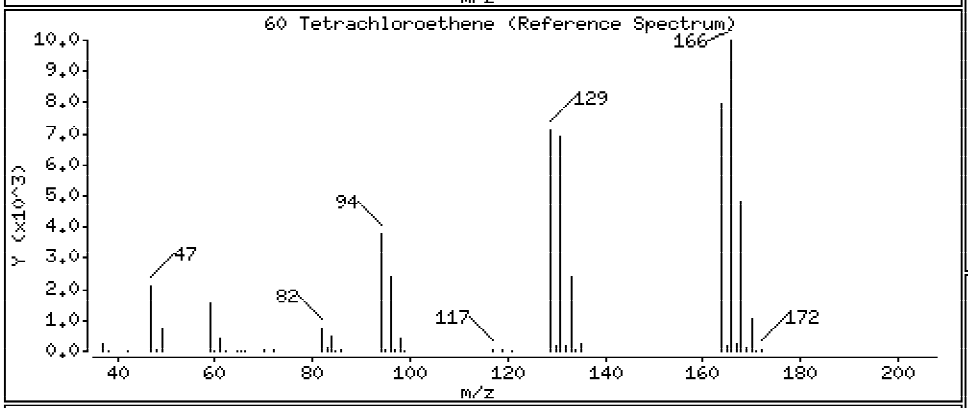
60 Tetrachloroethene Concentration: 48.2 ppb

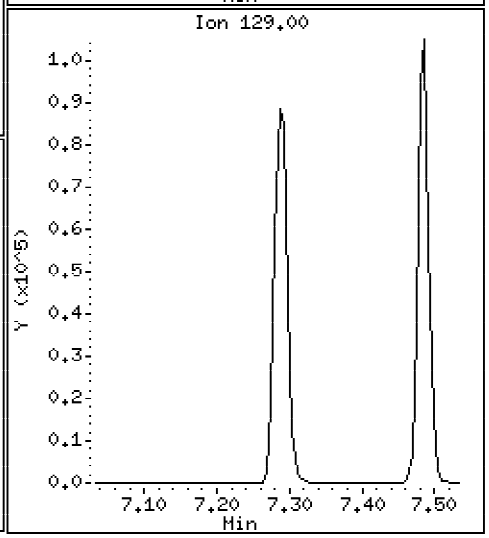


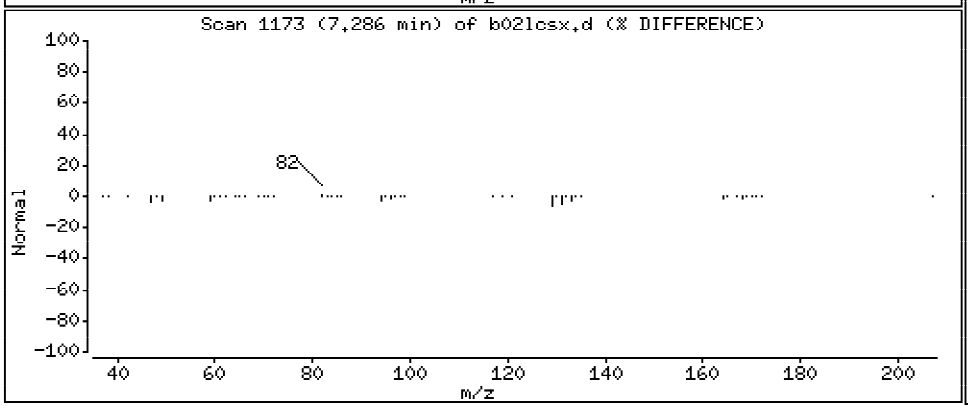












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d Page 62

Date : 15-JAN-2014 12:23

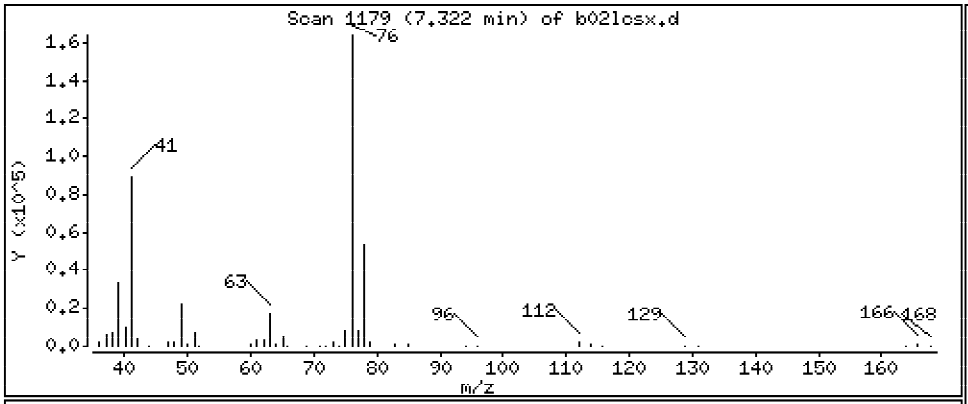
Client ID: 1039438 Instrument: 50mv4b.i

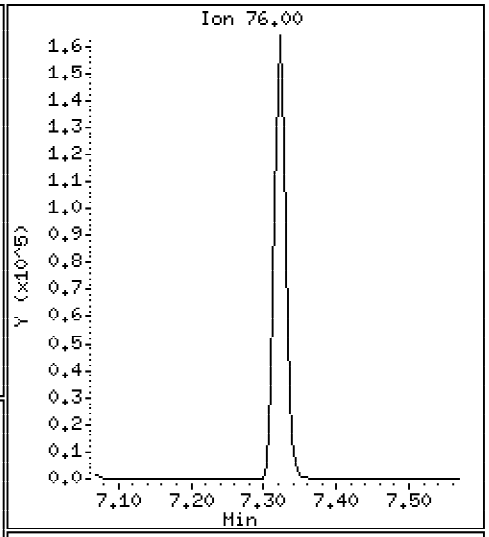
Sample Info: 1039438,59952:5

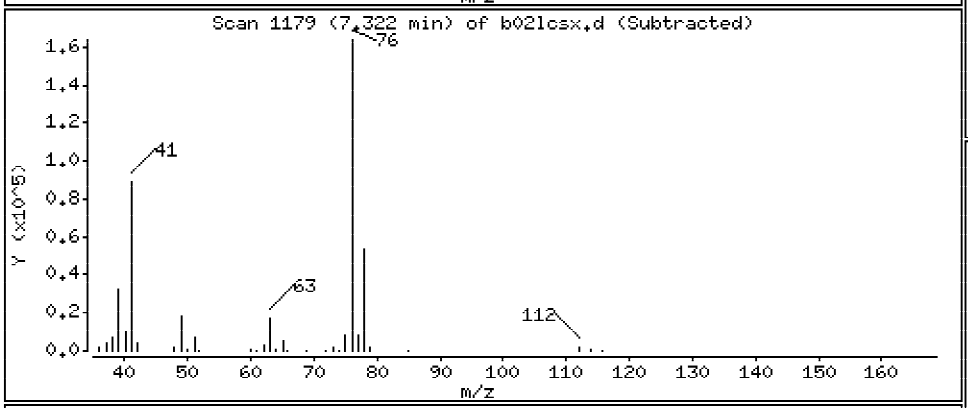
Purge Volume: 5.0 Operator: rsw

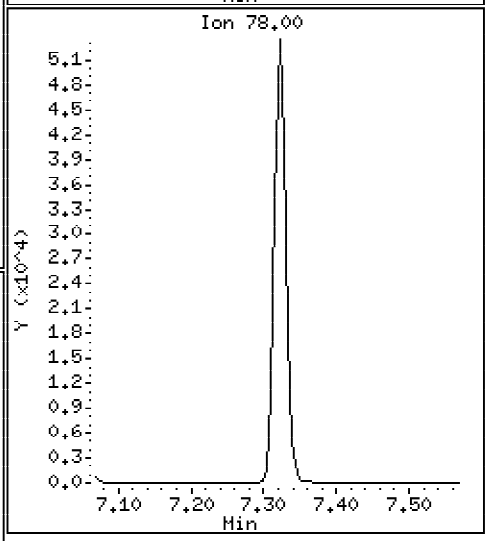
Column phase: DB-624 Column diameter: 0.18

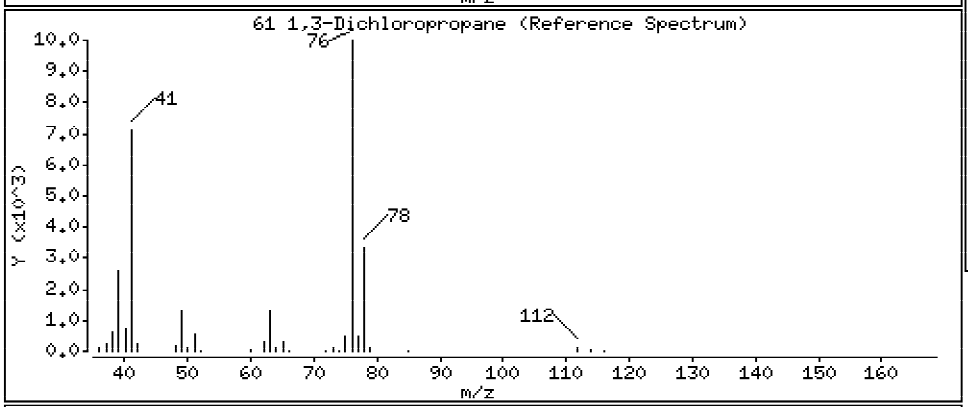
61 1,3-Dichloropropane Concentration: 46.7 ppb

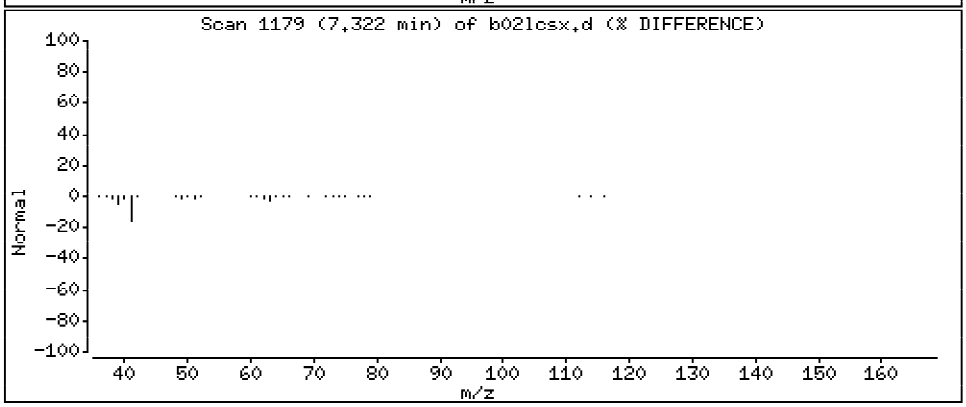












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d Page 63

Date : 15-JAN-2014 12:23

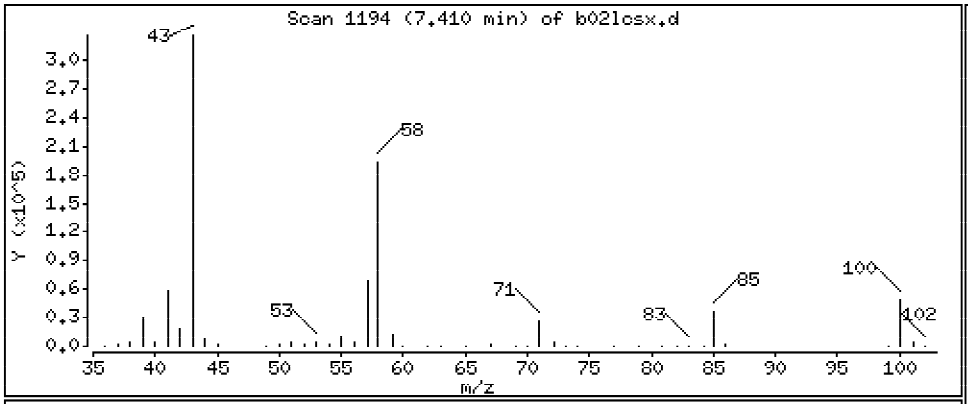
Client ID: 1039438 Instrument: 50mv4b.i

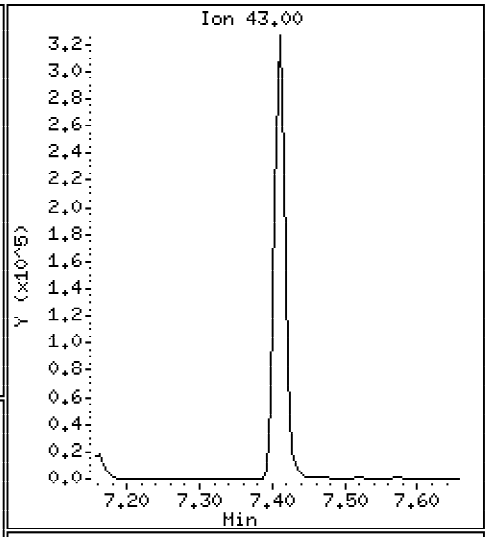
Sample Info: 1039438,59952:5

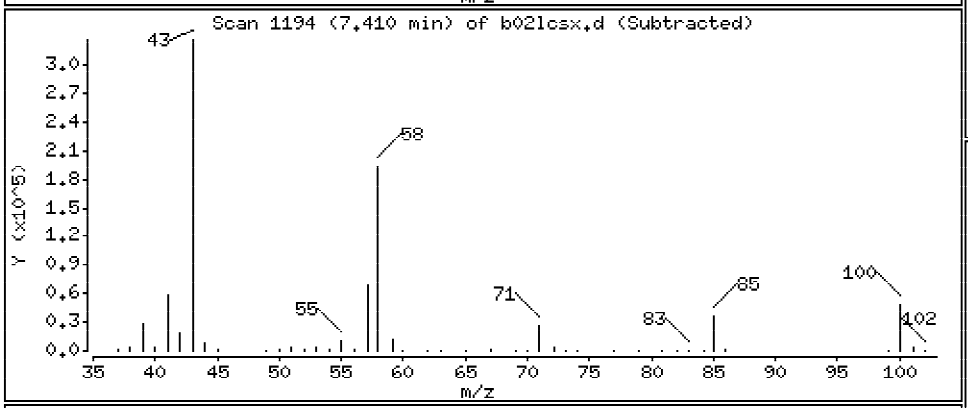
Purge Volume: 5.0 Operator: rsw

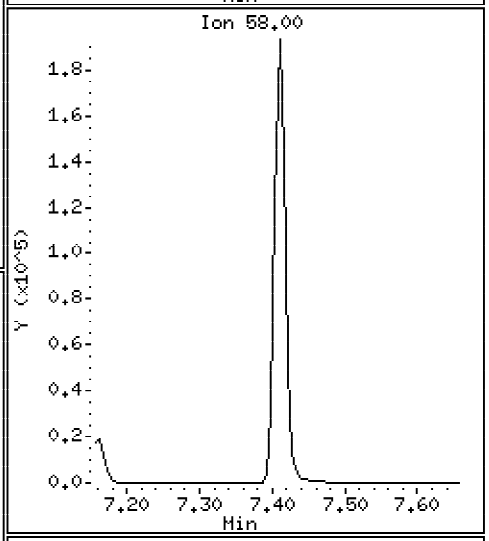
Column phase: DB-624 Column diameter: 0.18

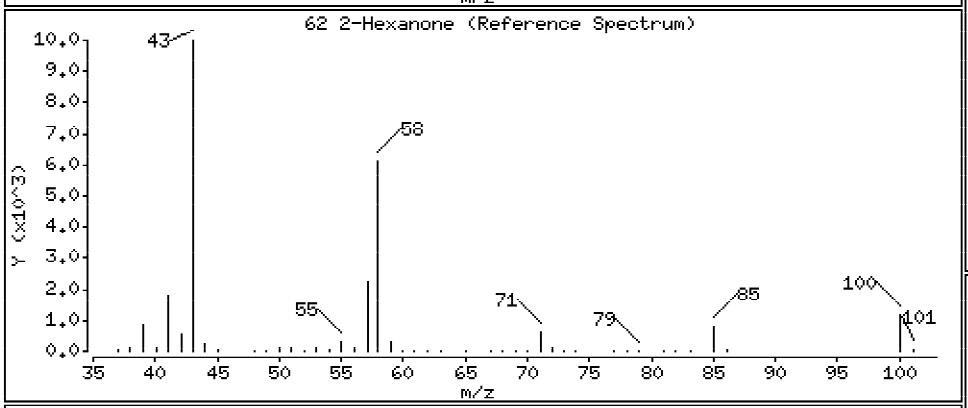
62 2-Hexanone Concentration: 242 ppb

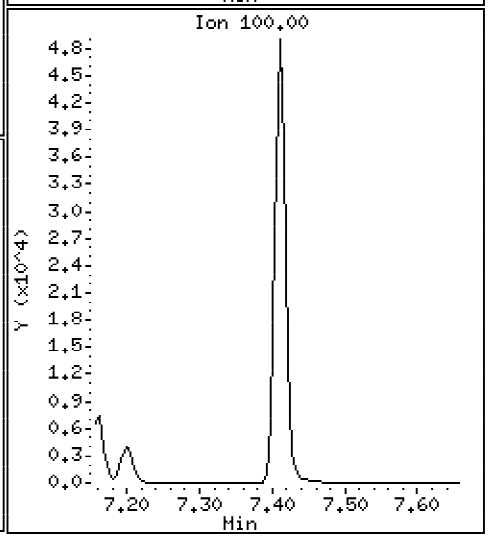


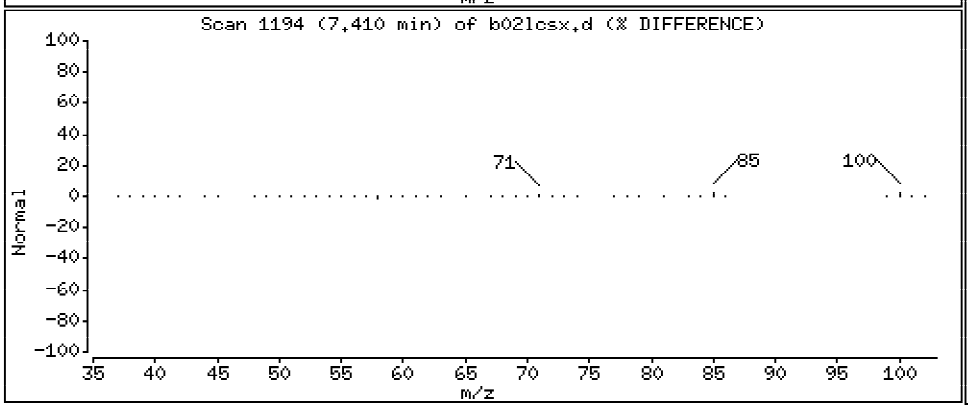












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d

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Date : 15-JAN-2014 12:23

Client ID: 1039438

Instrument: 50mv4b.i

Sample Info: 1039438,59952:5

Purge Volume: 5.0

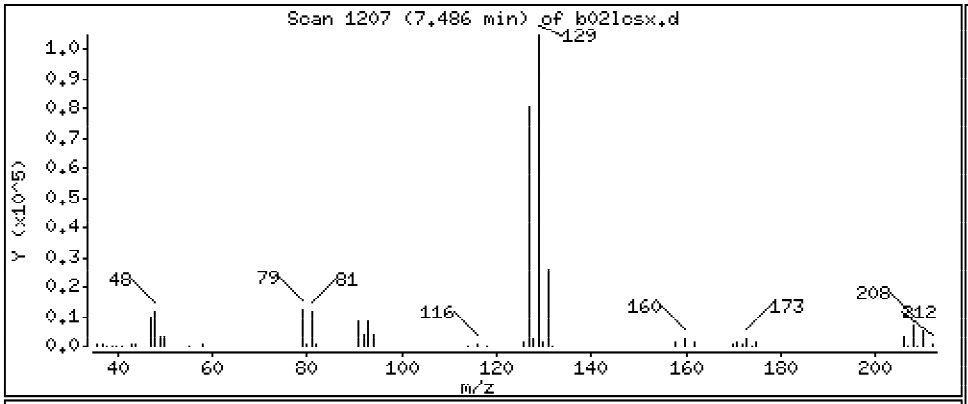
Operator: rsw

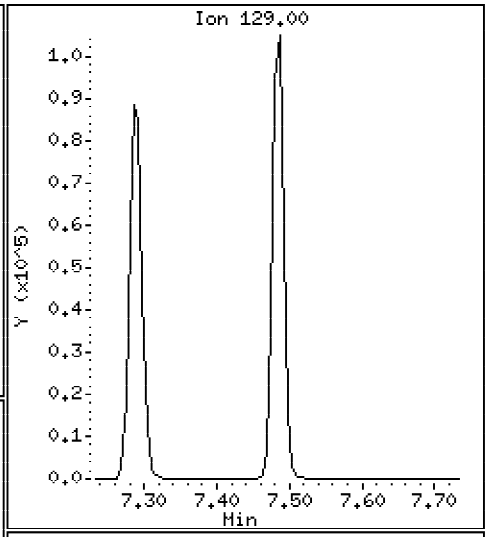
Column phase: DB-624

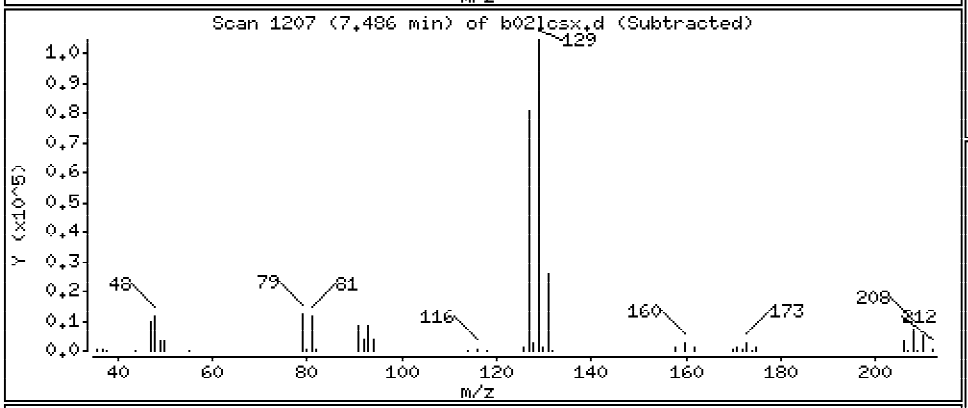
Column diameter: 0.18

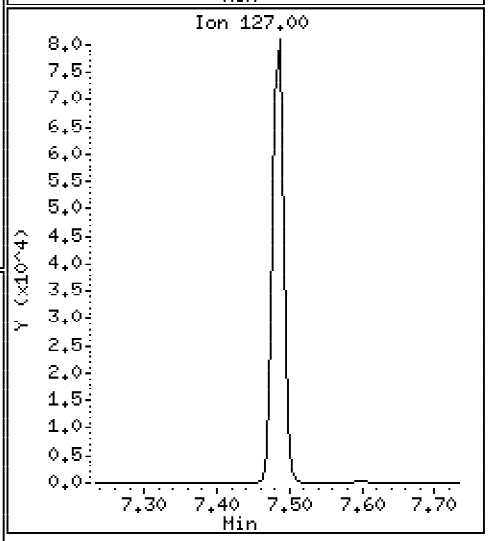
63 Dibromochloromethane

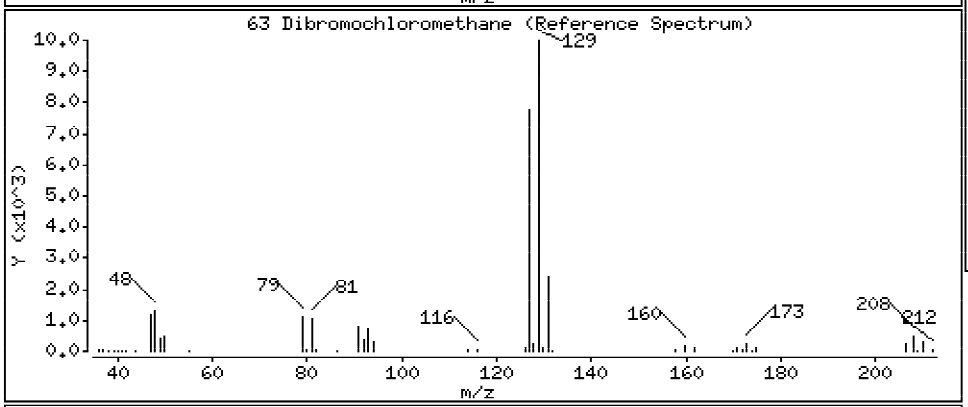
Concentration: 42.5 ppb

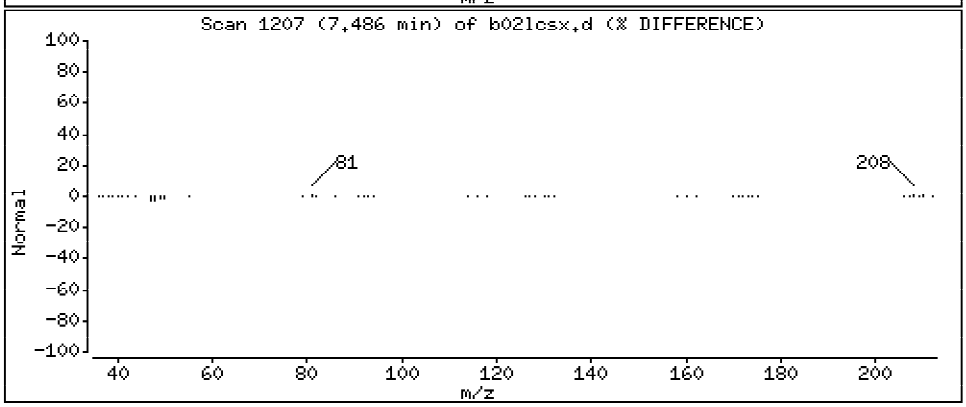












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d Page 65

Date : 15-JAN-2014 12:23

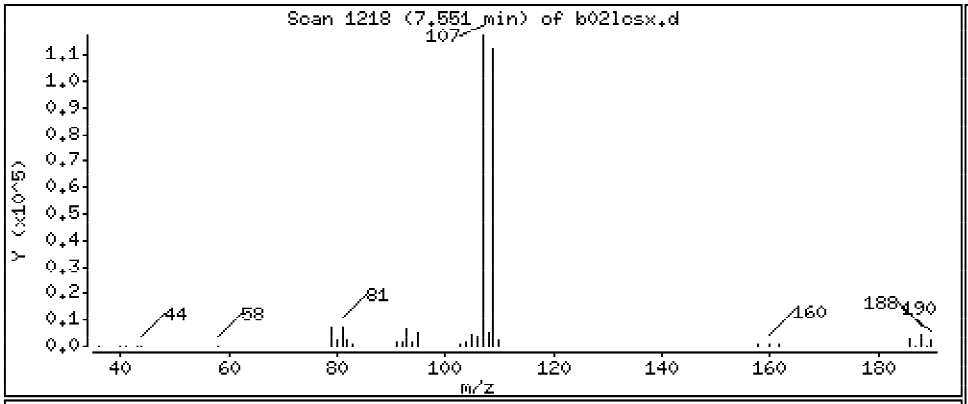
Client ID: 1039438 Instrument: 50mv4b.i

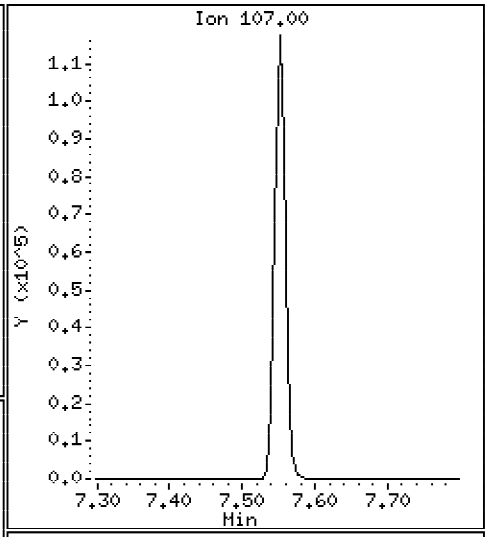
Sample Info: 1039438,59952:5

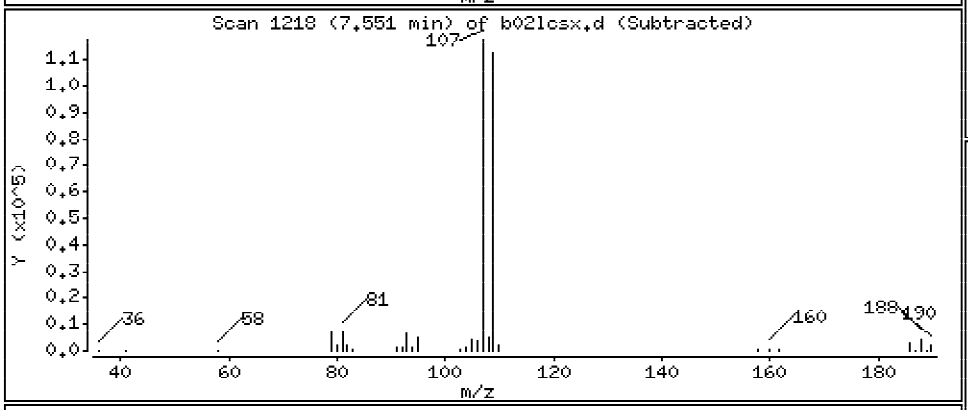
Purge Volume: 5.0 Operator: rsw

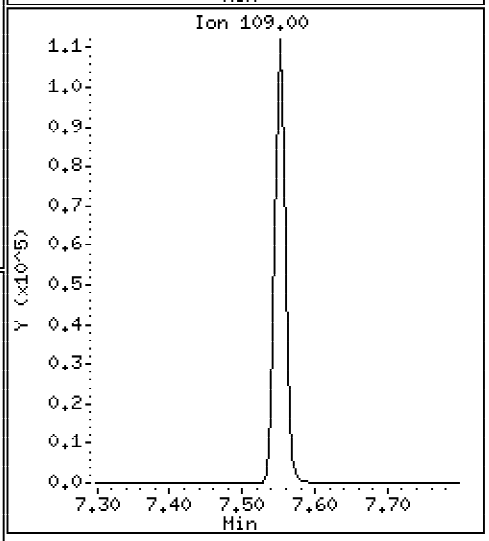
Column phase: DB-624 Column diameter: 0.18

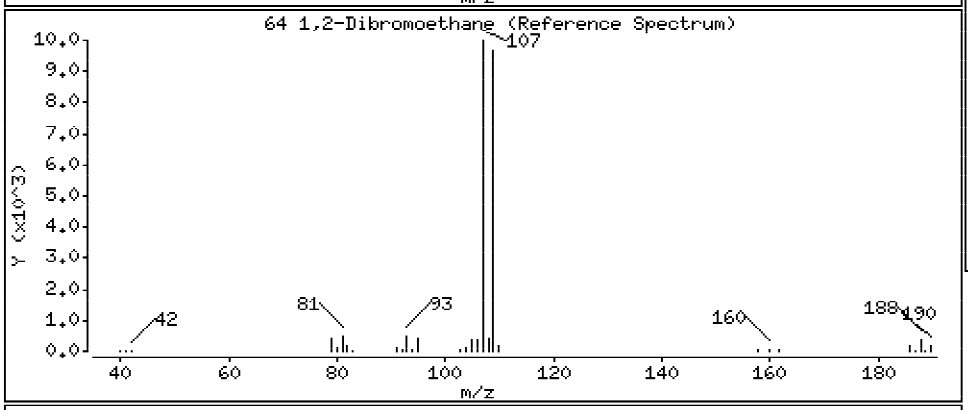
64 1,2-Dibromoethane Concentration: 51.3 ppb

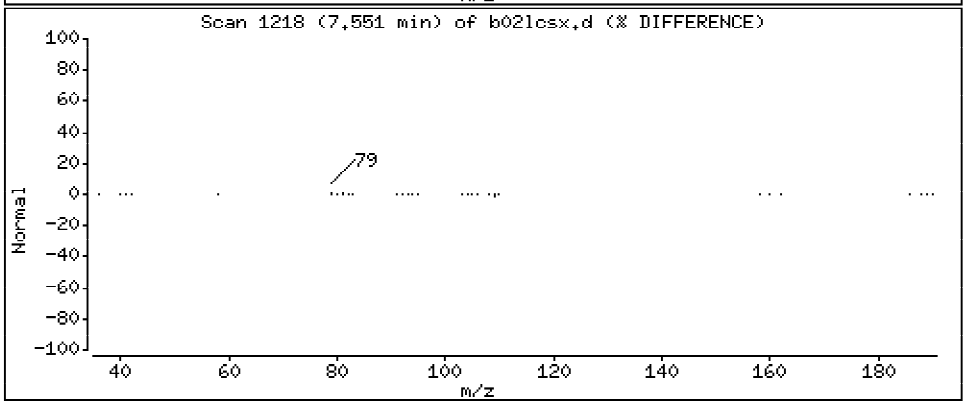












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d Page 66

Date : 15-JAN-2014 12:23

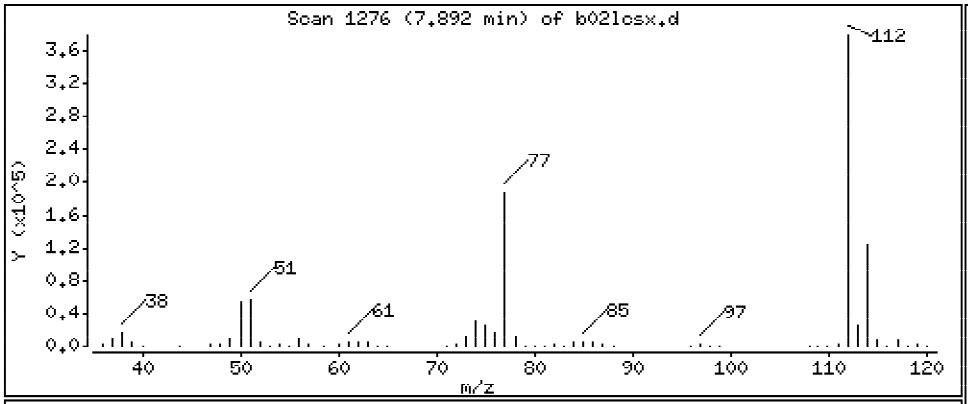
Client ID: 1039438 Instrument: 50mv4b.i

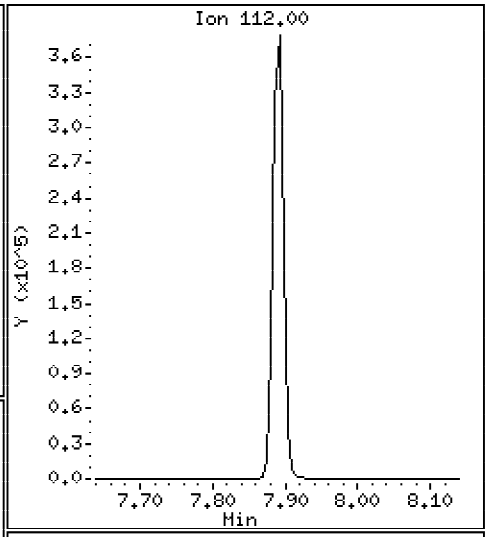
Sample Info: 1039438,59952:5

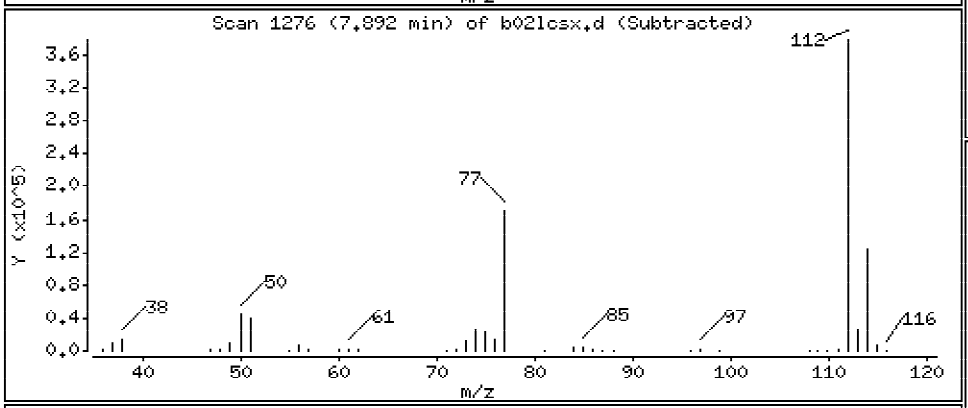
Purge Volume: 5.0 Operator: rsw

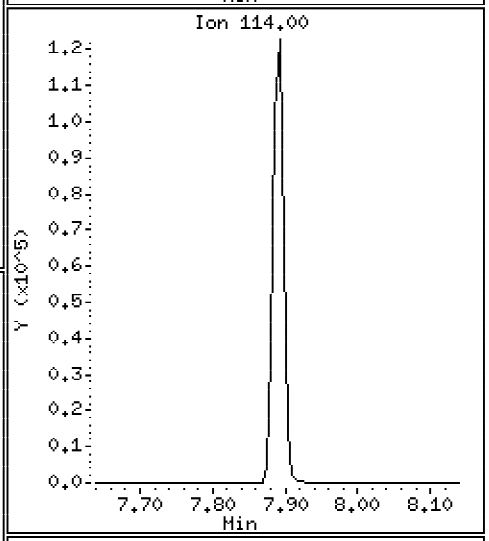
Column phase: DB-624 Column diameter: 0.18

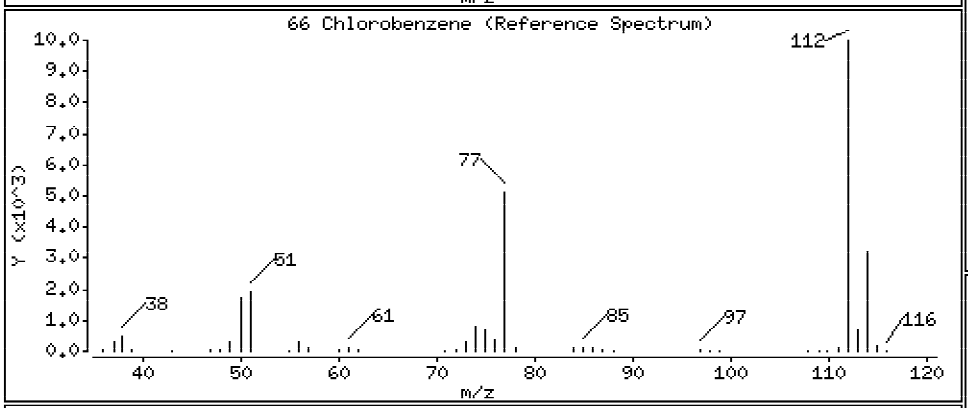
66 Chlorobenzene Concentration: 48.1 ppb

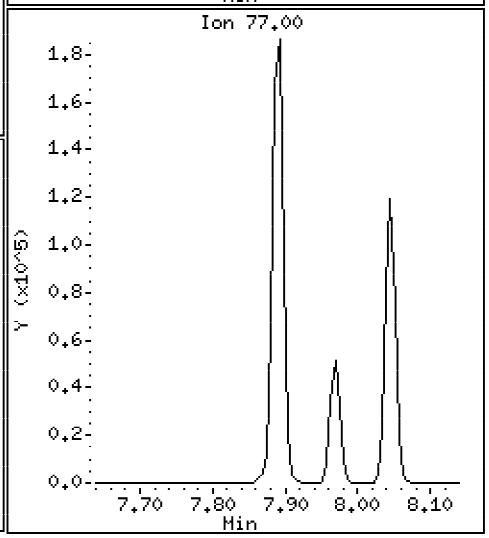


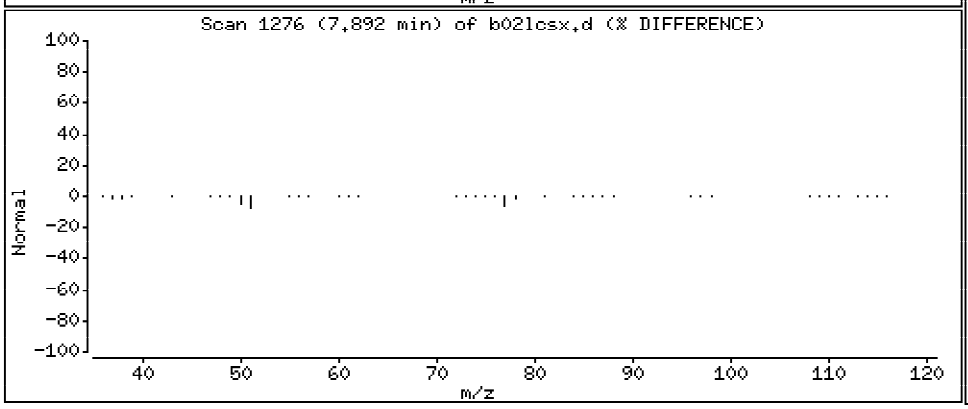












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d Page 67

Date : 15-JAN-2014 12:23

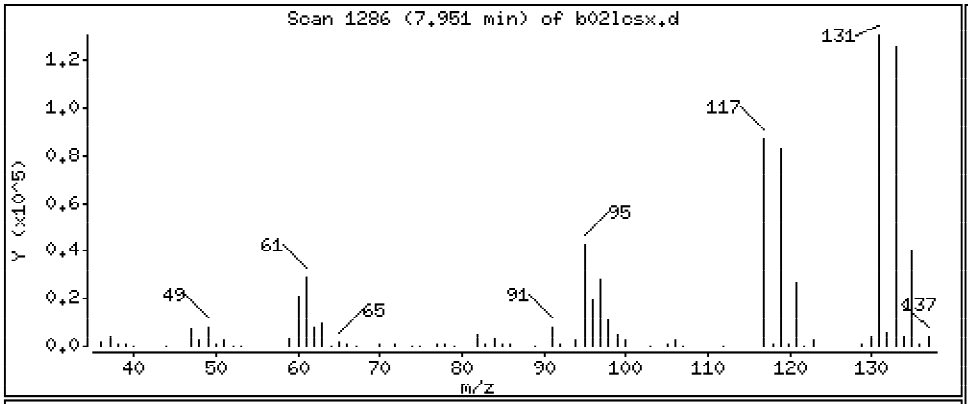
Client ID: 1039438 Instrument: 50mv4b.i

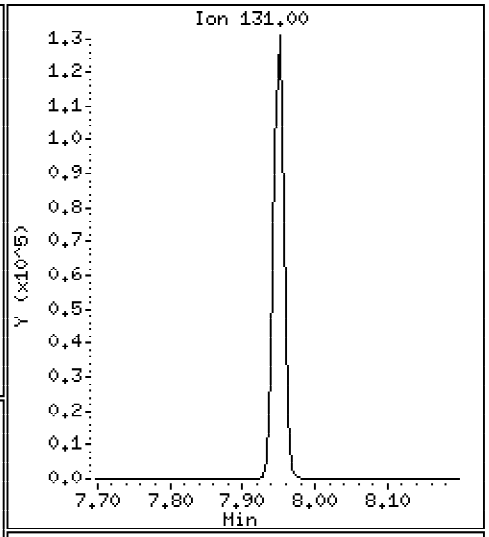
Sample Info: 1039438,59952:5

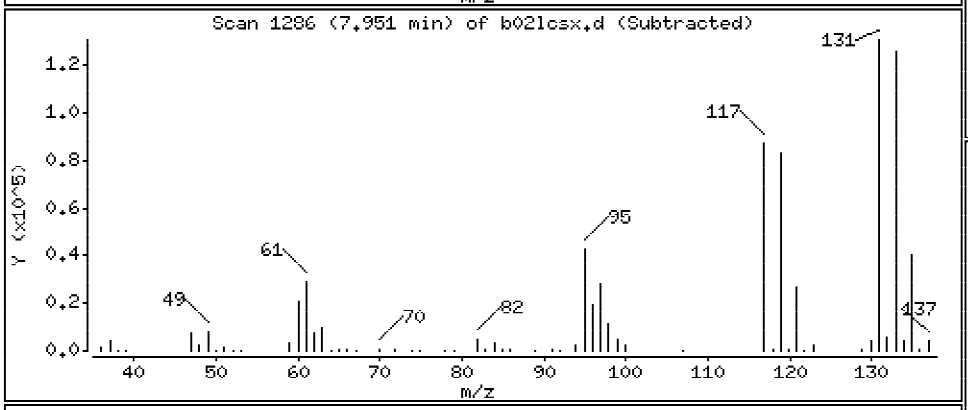
Purge Volume: 5.0 Operator: rsw

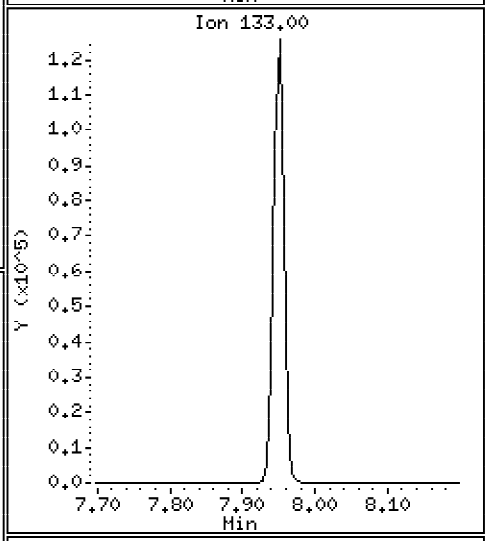
Column phase: DB-624 Column diameter: 0.18

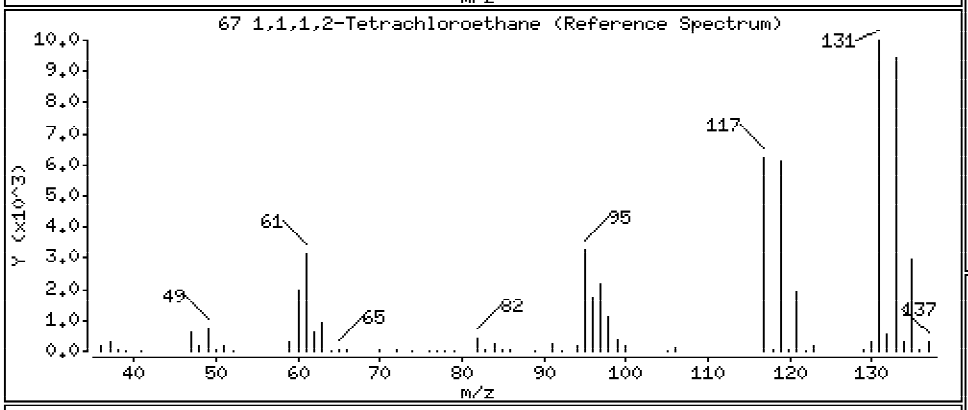
67 1,1,1,2-Tetrachloroethane Concentration: 54.2 ppb

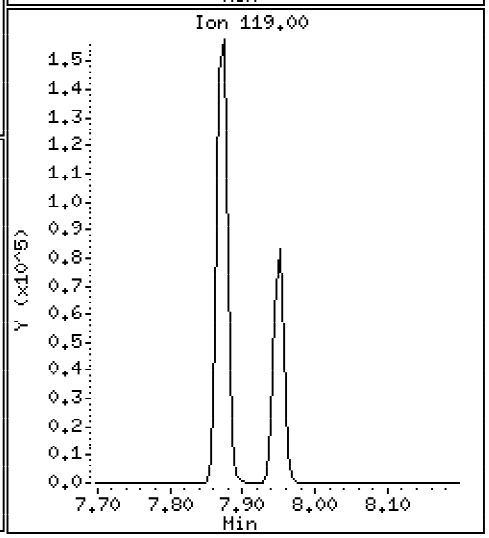


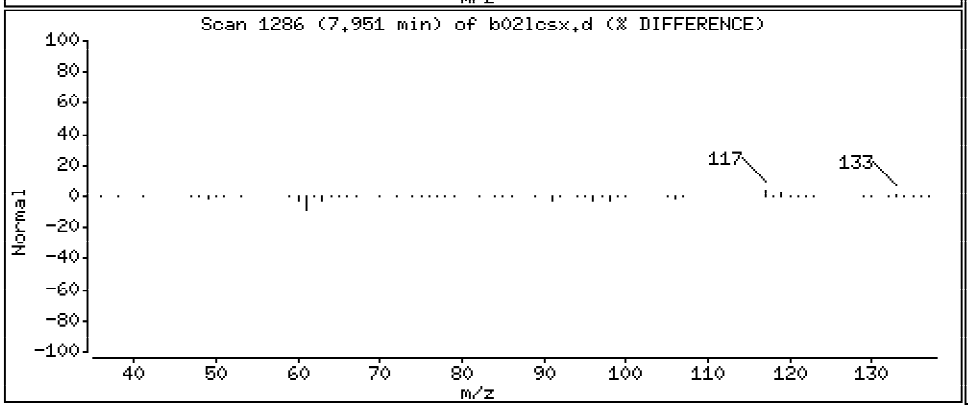












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d Page 68

Date : 15-JAN-2014 12:23

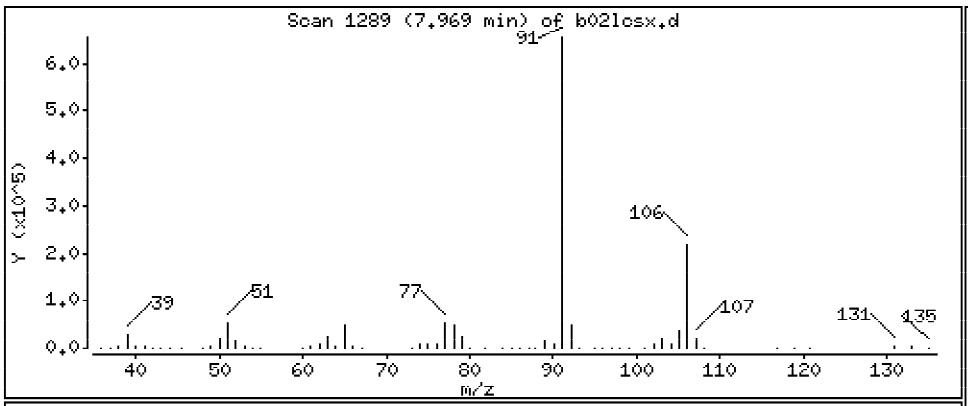
Client ID: 1039438 Instrument: 50mv4b.i

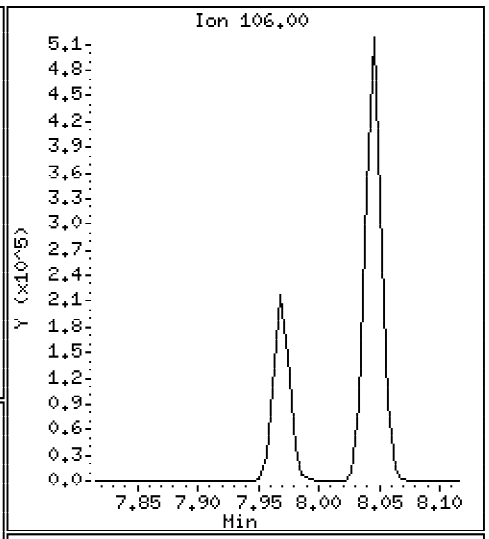
Sample Info: 1039438,59952:5

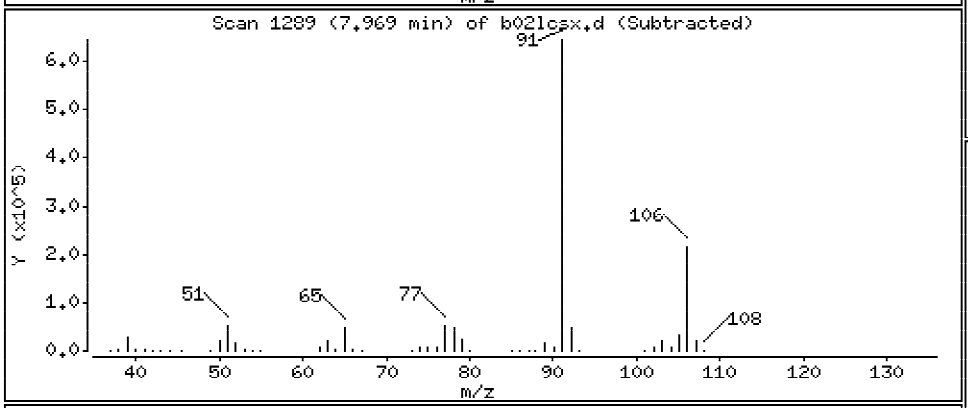
Purge Volume: 5.0 Operator: rsw

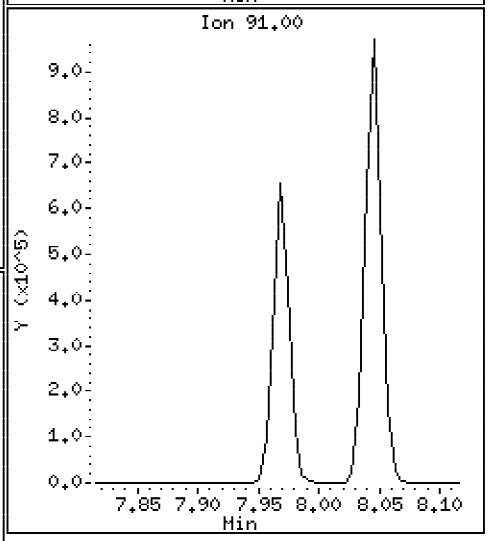
Column phase: DB-624 Column diameter: 0.18

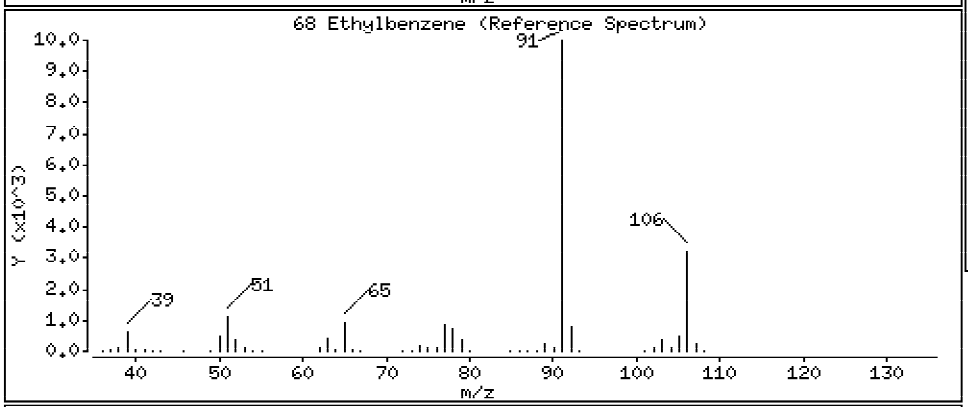
68 Ethylbenzene Concentration: 49.3 ppb

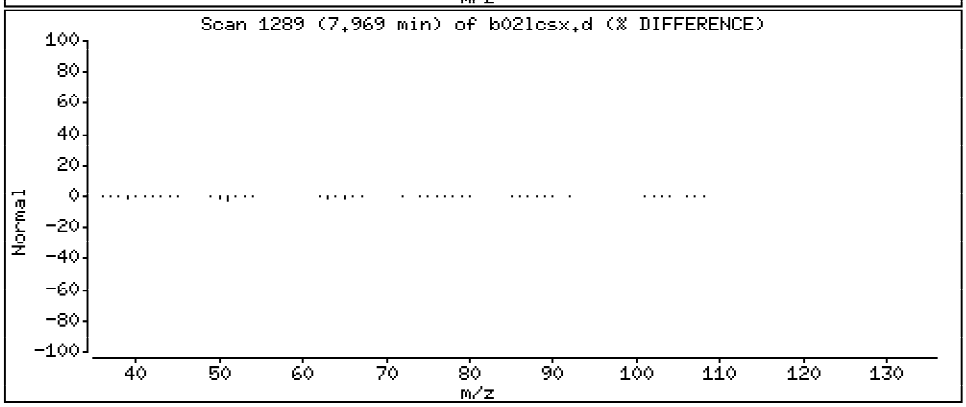












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d Page 69

Date : 15-JAN-2014 12:23

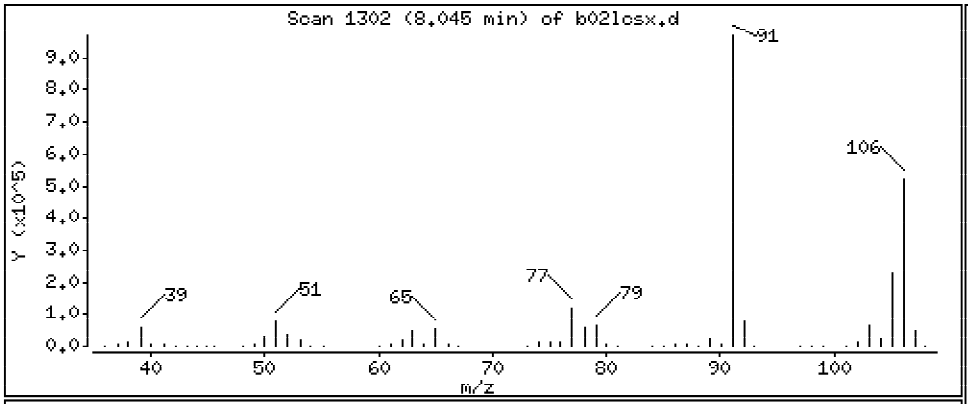
Client ID: 1039438 Instrument: 50mv4b.i

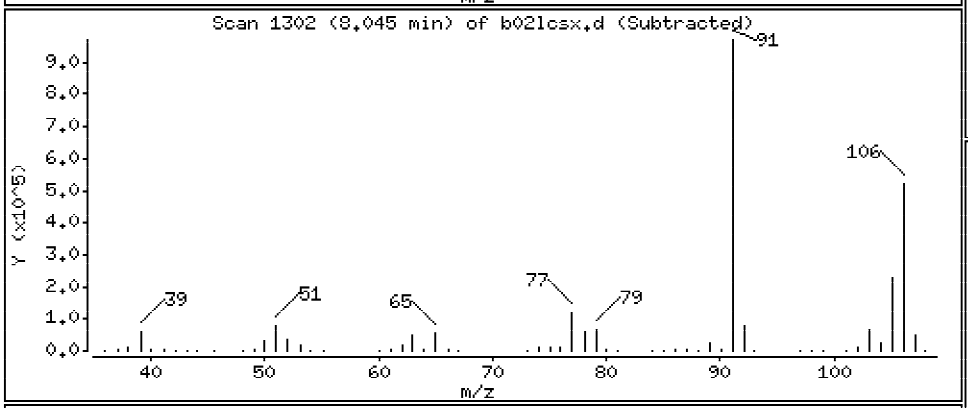
Sample Info: 1039438,59952:5

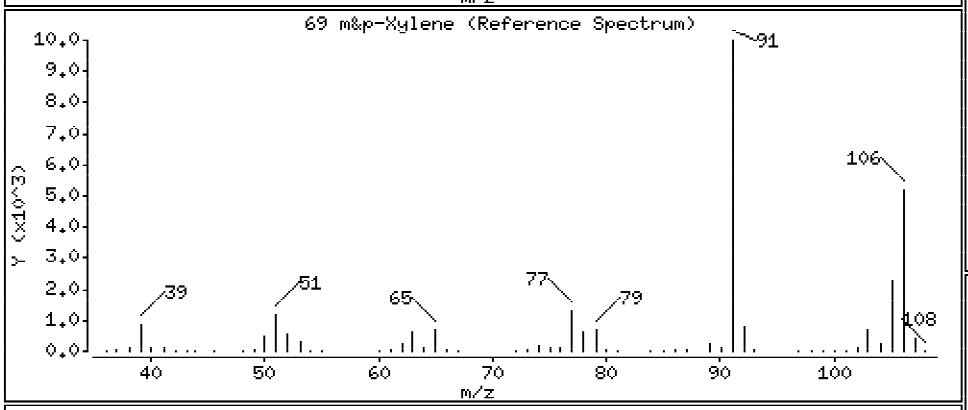
Purge Volume: 5.0 Operator: rsw

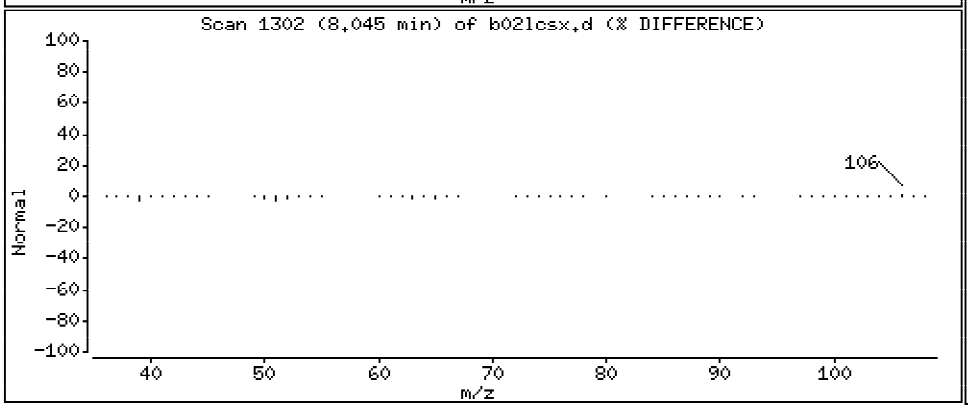
Column phase: DB-624 Column diameter: 0.18

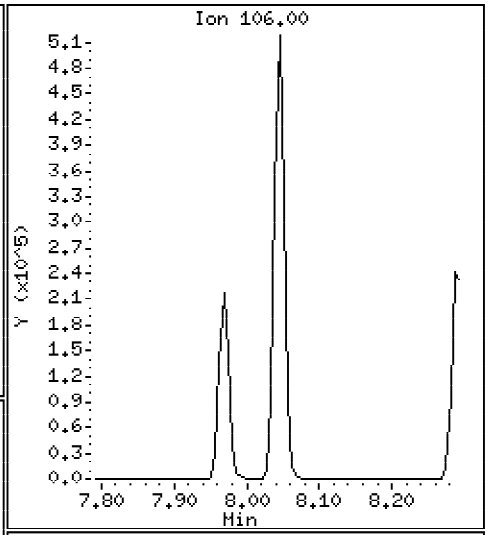
69 m&p-Xylene Concentration: 101 ppb

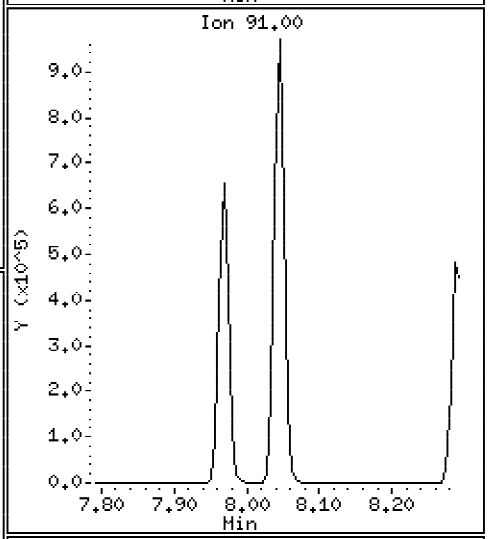


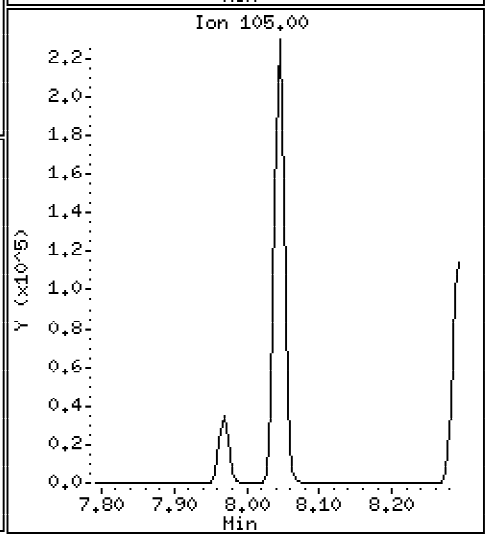












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d Page 70

Date : 15-JAN-2014 12:23

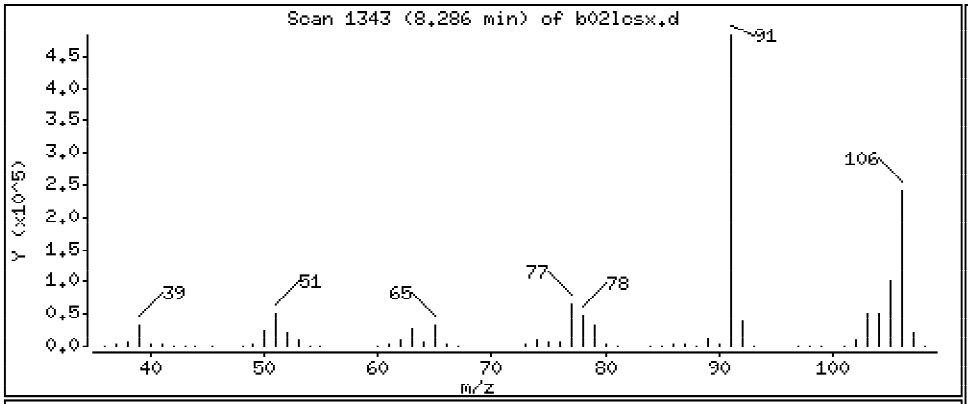
Client ID: 1039438 Instrument: 50mv4b.i

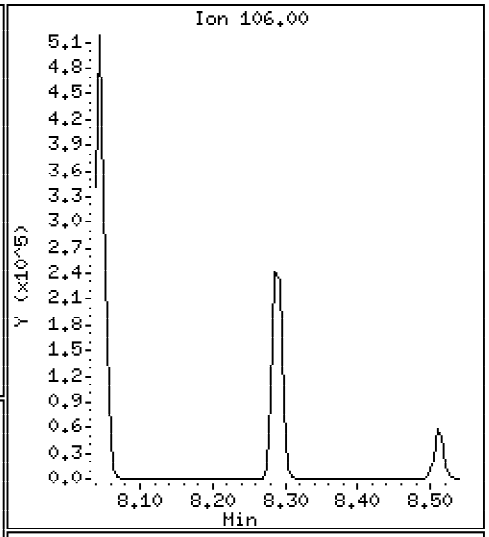
Sample Info: 1039438,59952:5

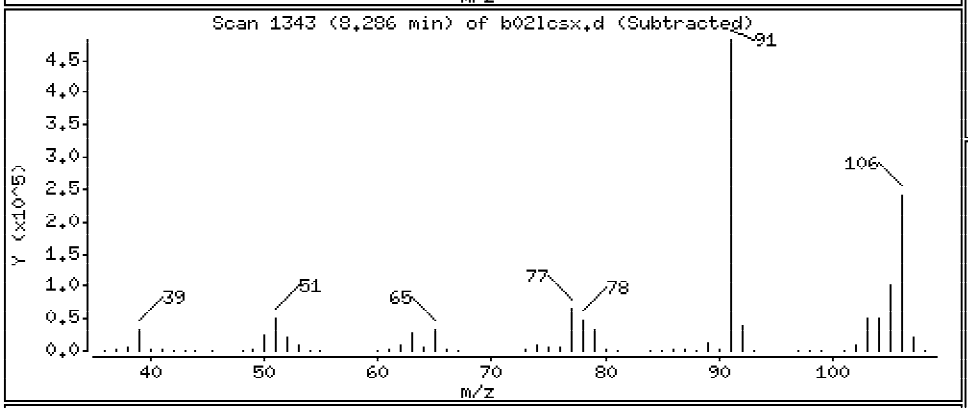
Purge Volume: 5.0 Operator: rsw

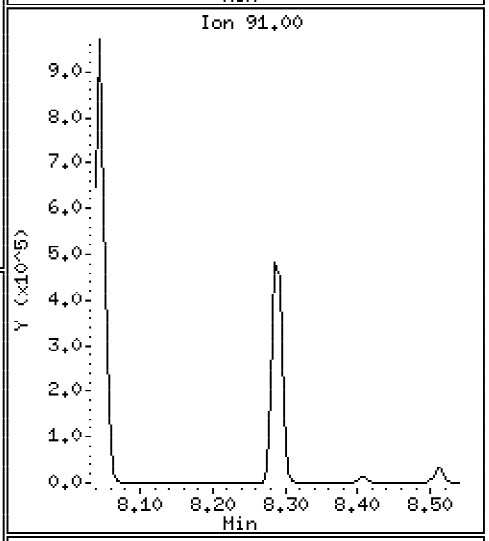
Column phase: DB-624 Column diameter: 0.18

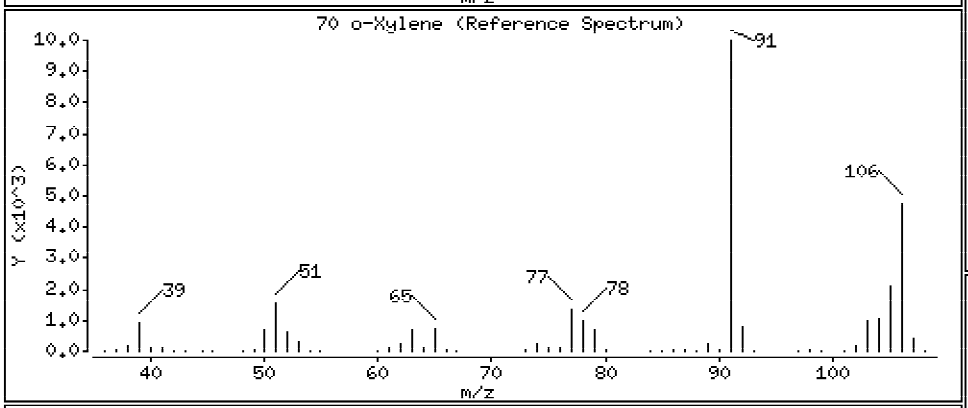
70 o-Xylene Concentration: 50.9 ppb

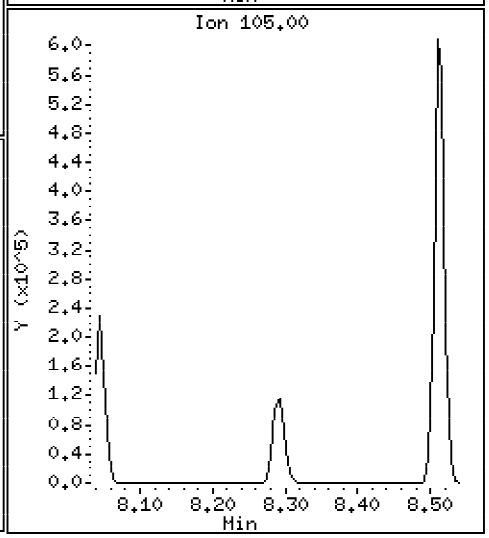


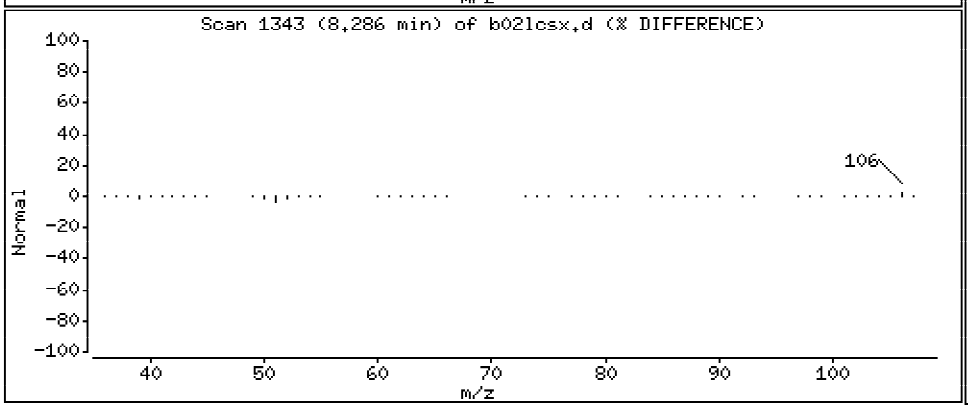












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d Page 71

Date : 15-JAN-2014 12:23

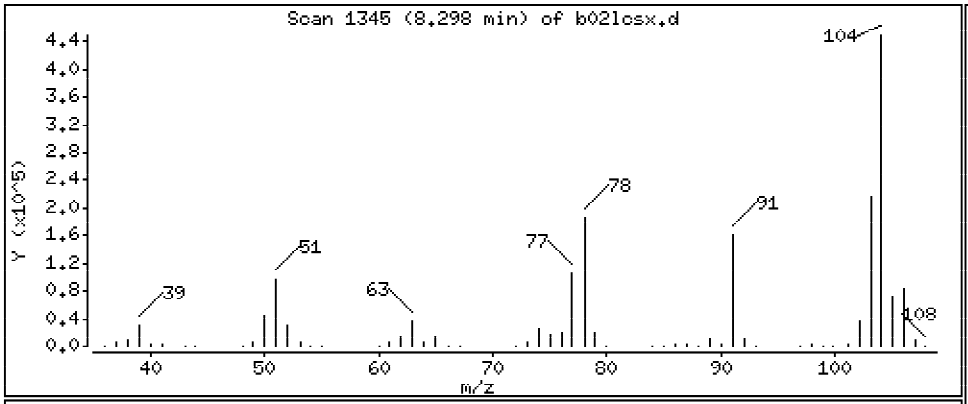
Client ID: 1039438 Instrument: 50mv4b.i

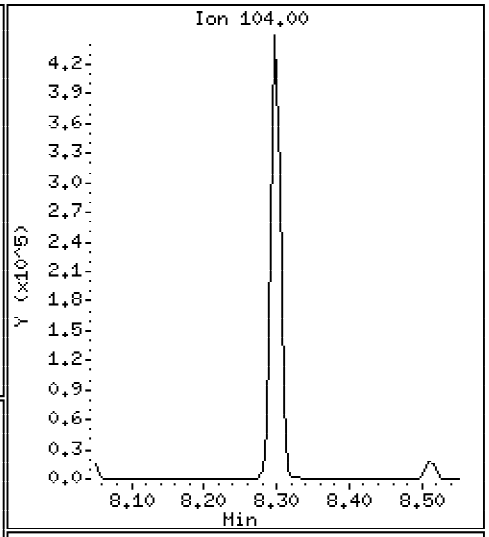
Sample Info: 1039438,59952:5

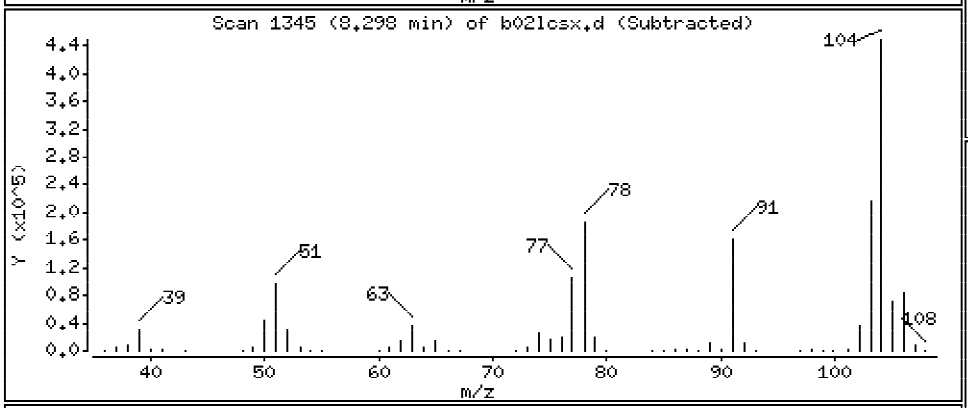
Purge Volume: 5.0 Operator: rsw

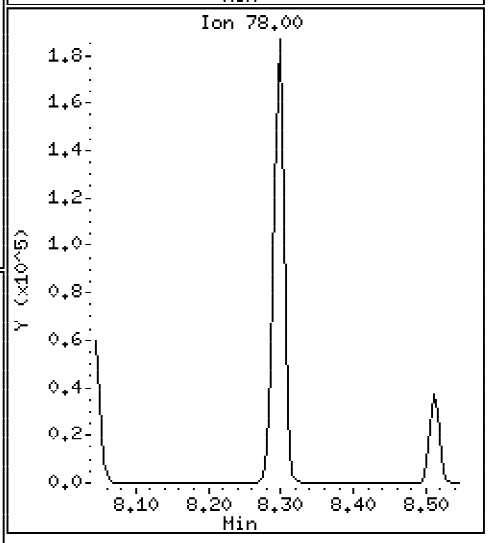
Column phase: DB-624 Column diameter: 0.18

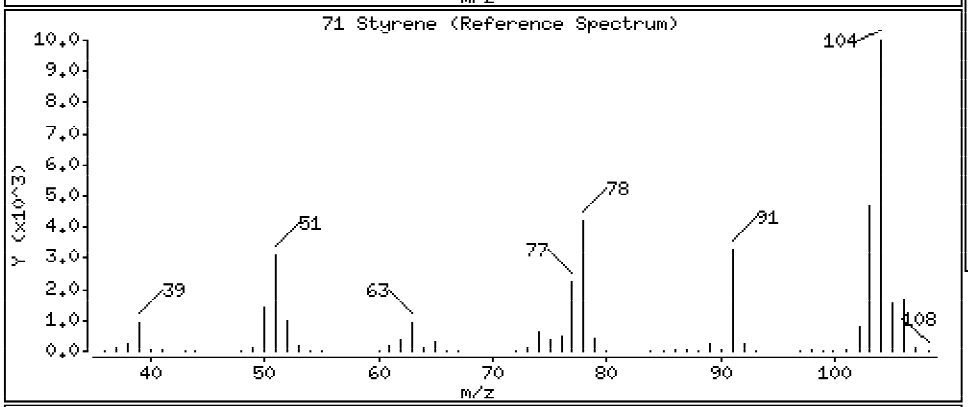
71 Styrene Concentration: 53.8 ppb

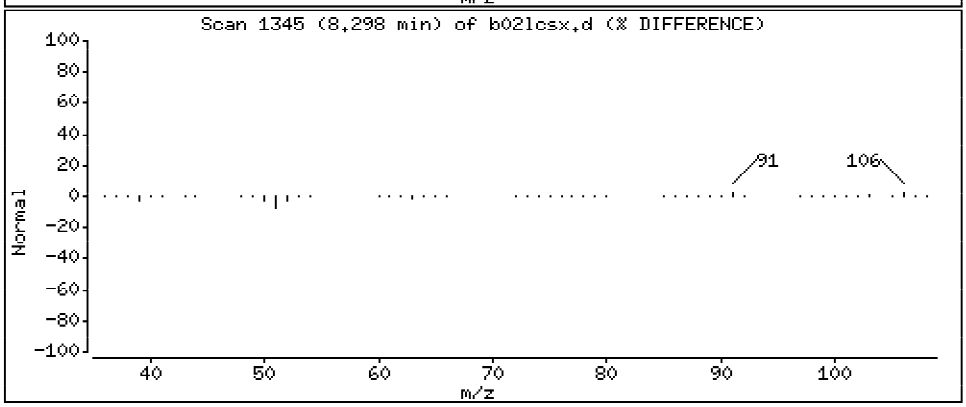












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d

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Date : 15-JAN-2014 12:23

Client ID: 1039438

Instrument: 50mv4b.i

Sample Info: 1039438,59952:5

Purge Volume: 5.0

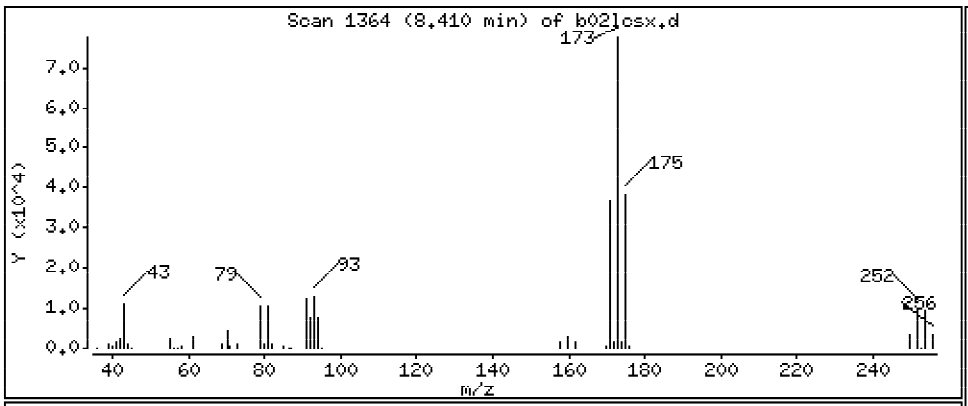
Operator: rsw

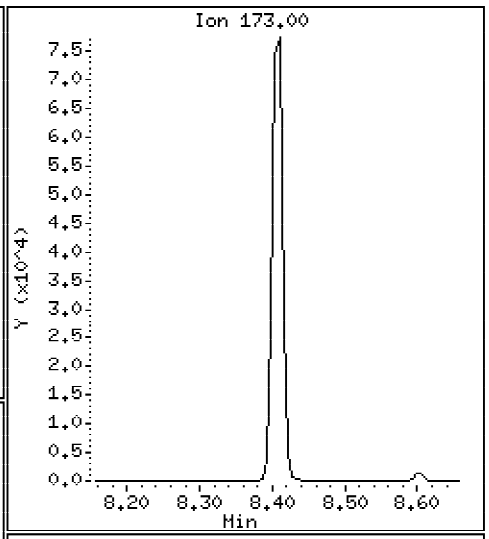
Column phase: DB-624

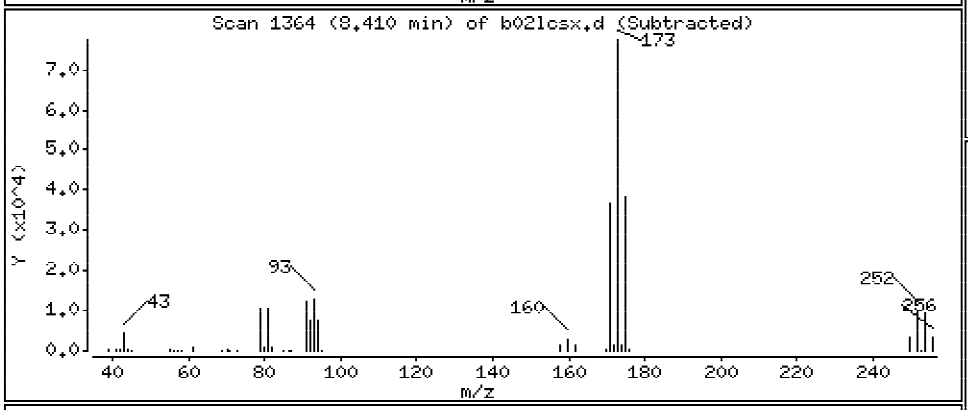
Column diameter: 0.18

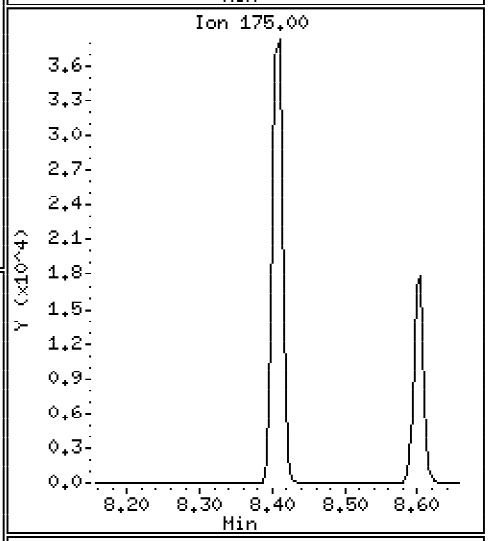
72 Bromoform

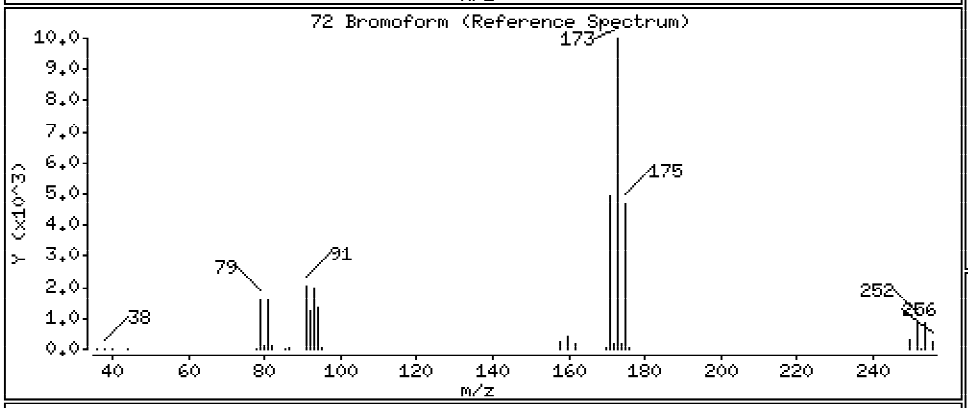
Concentration: 40.9 ppb

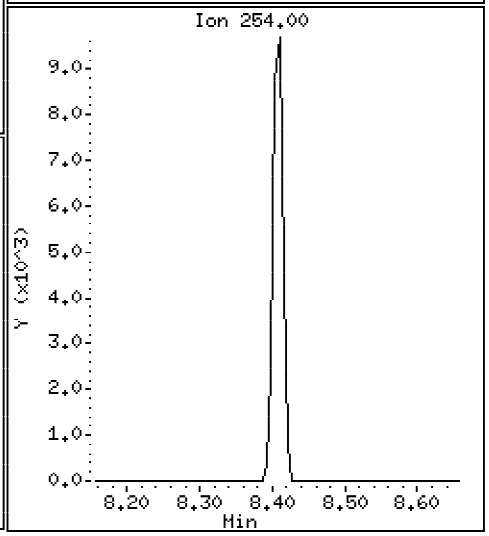


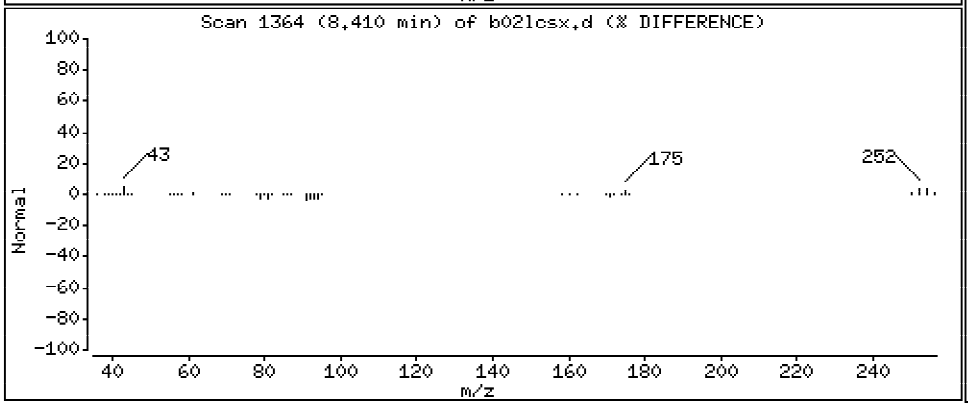












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d

Date : 15-JAN-2014 12:23

Client ID: 1039438

Instrument: 50mv4b.i

Sample Info: 1039438,59952:5

Purge Volume: 5.0

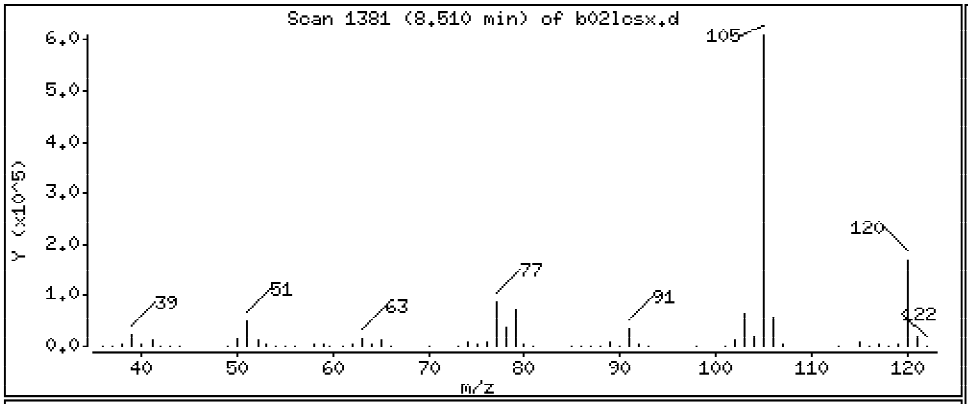
Operator: rsw

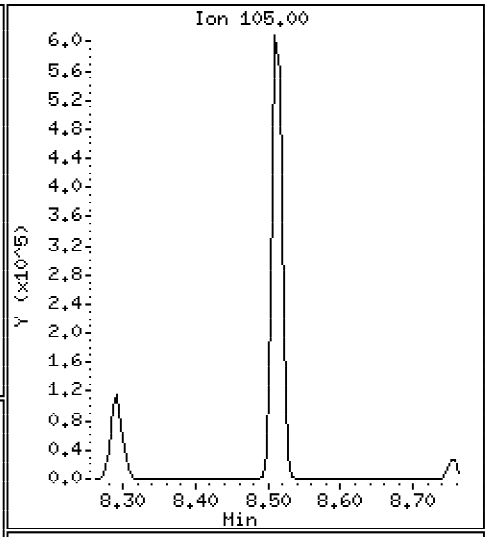
Column phase: DB-624

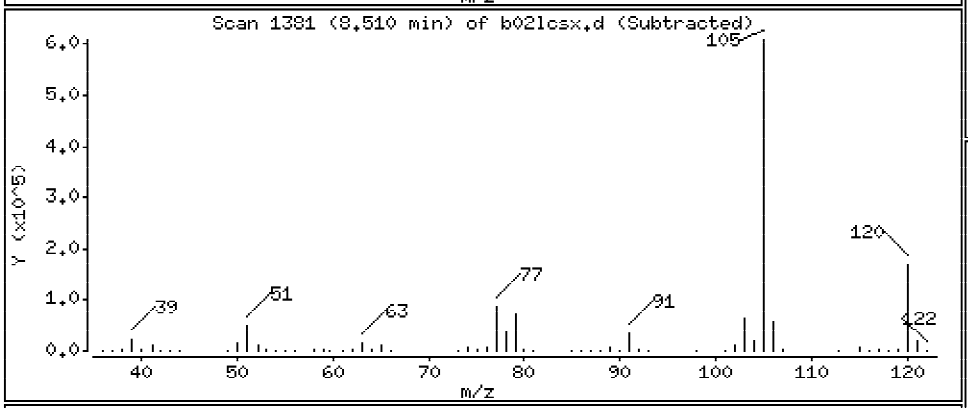
Column diameter: 0.18

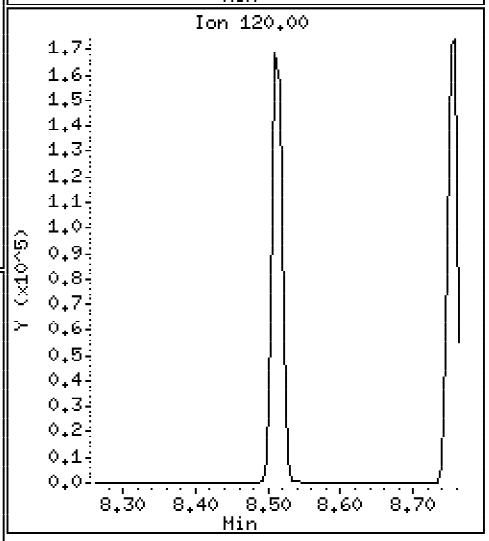
73 Isopropylbenzene

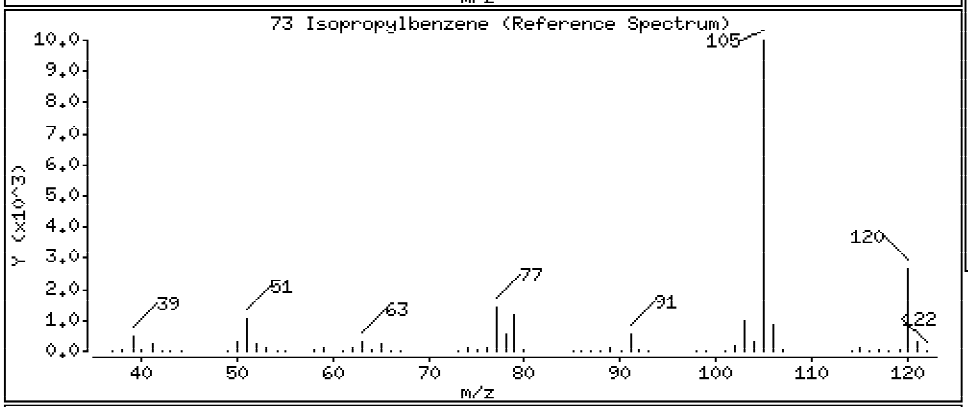
Concentration: 51.2 ppb

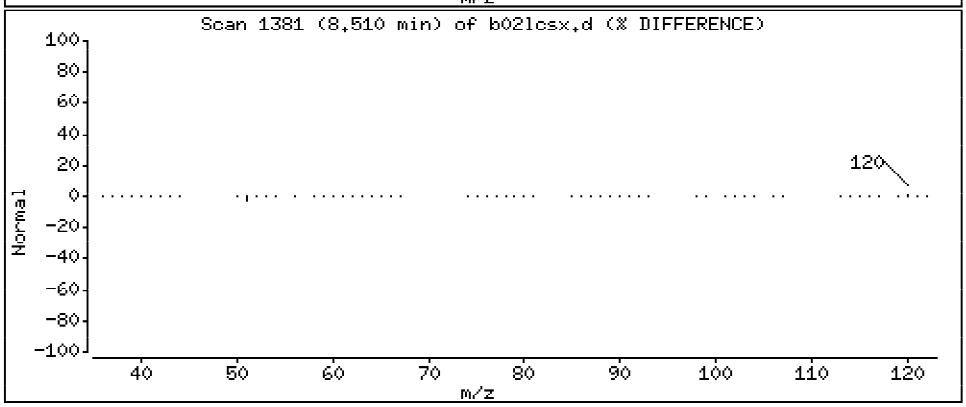












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d Page 74

Date : 15-JAN-2014 12:23

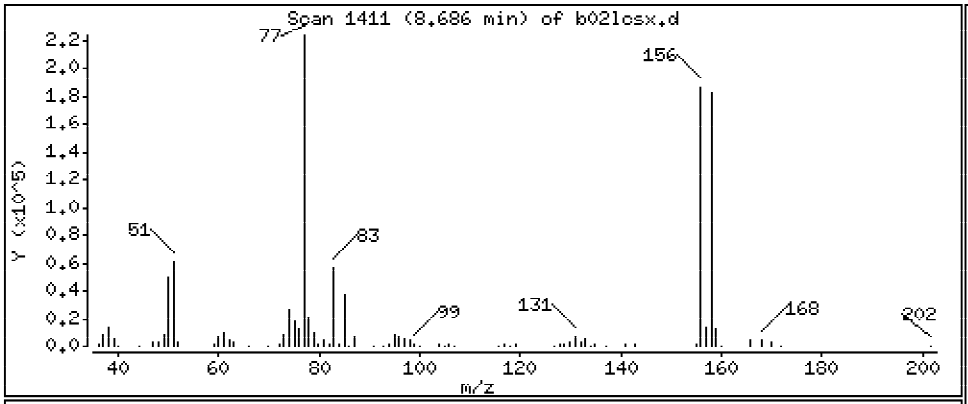
Client ID: 1039438 Instrument: 50mv4b.i

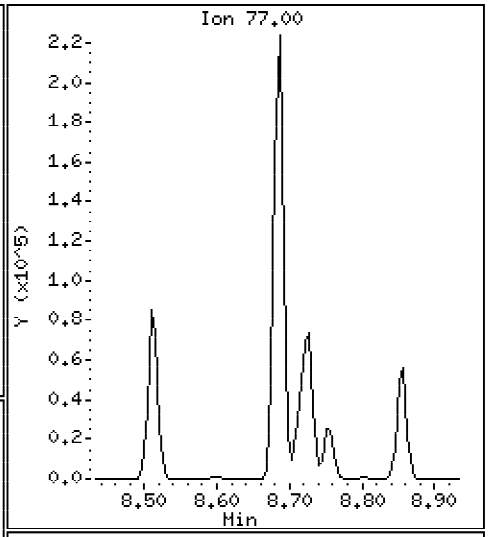
Sample Info: 1039438,59952:5

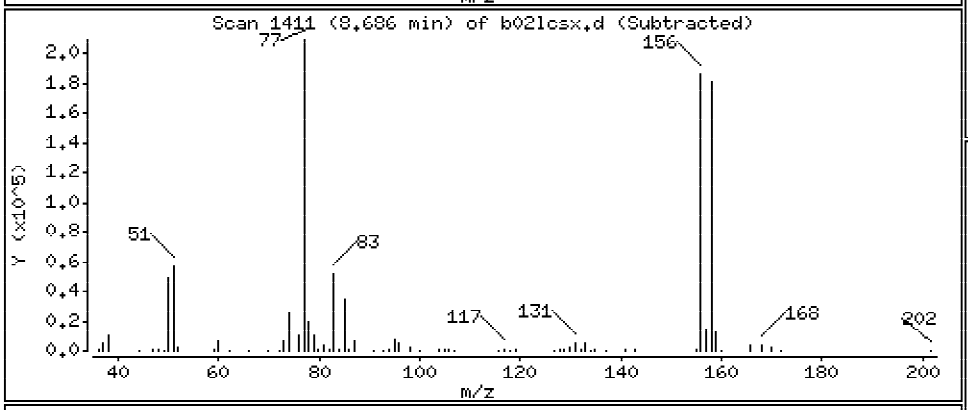
Purge Volume: 5.0 Operator: rsw

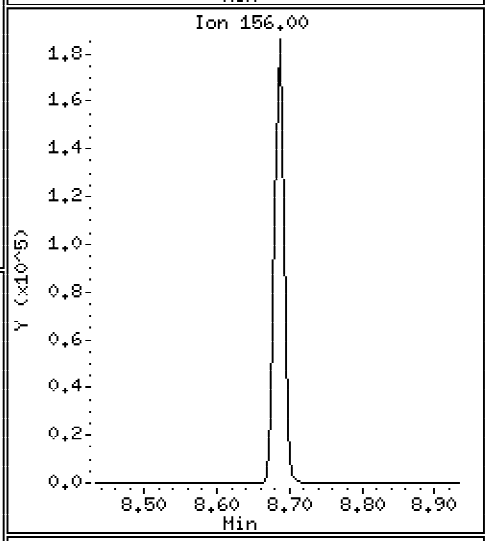
Column phase: DB-624 Column diameter: 0.18

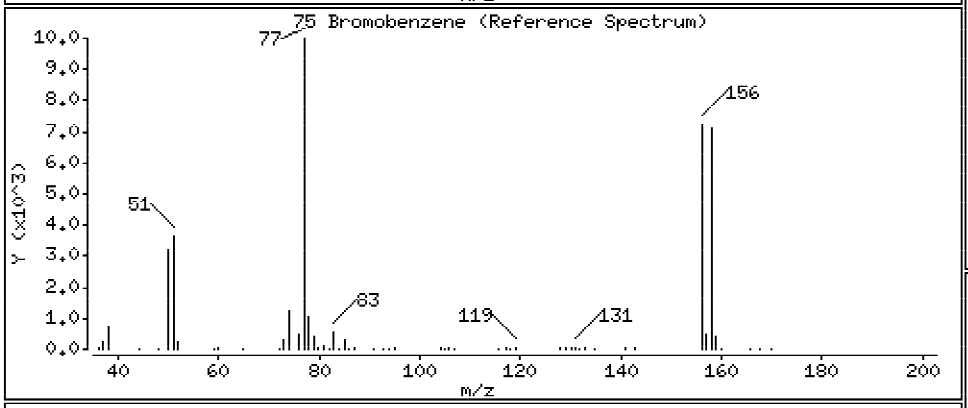
75 Bromobenzene Concentration: 46.1 ppb

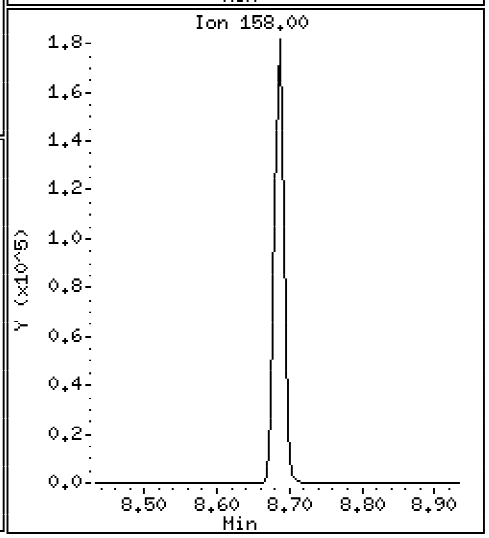


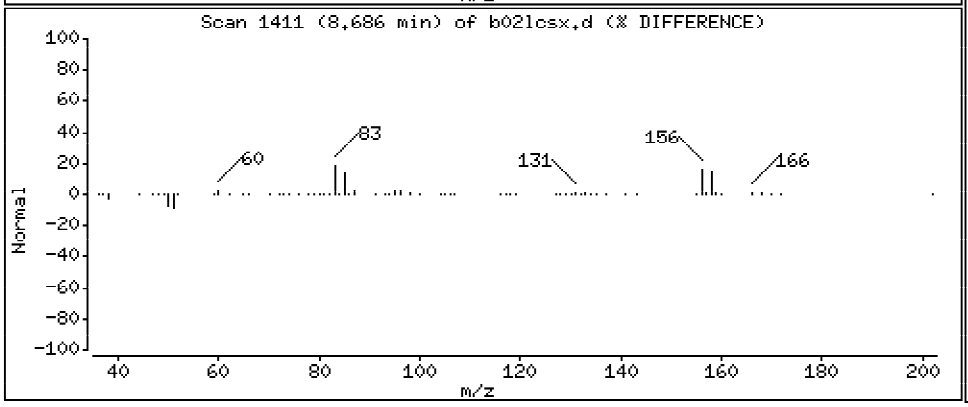












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d Page 75

Date : 15-JAN-2014 12:23

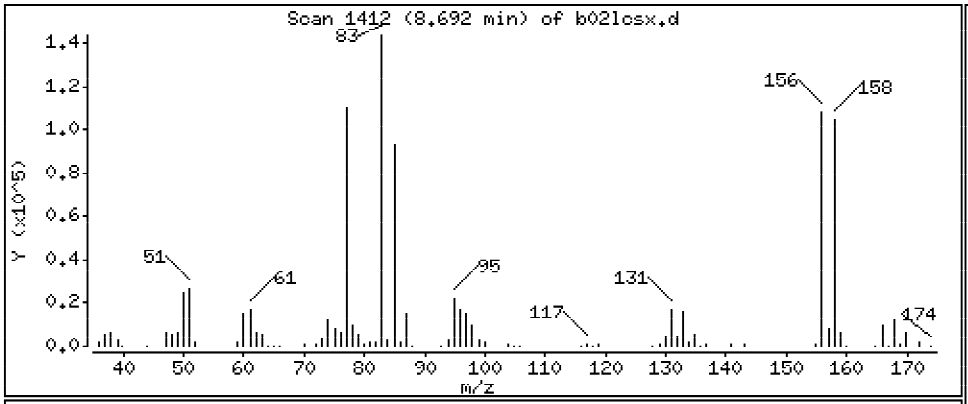
Client ID: 1039438 Instrument: 50mv4b.i

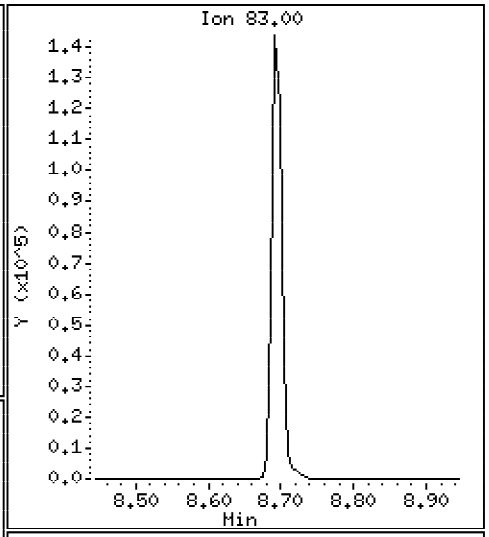
Sample Info: 1039438,59952:5

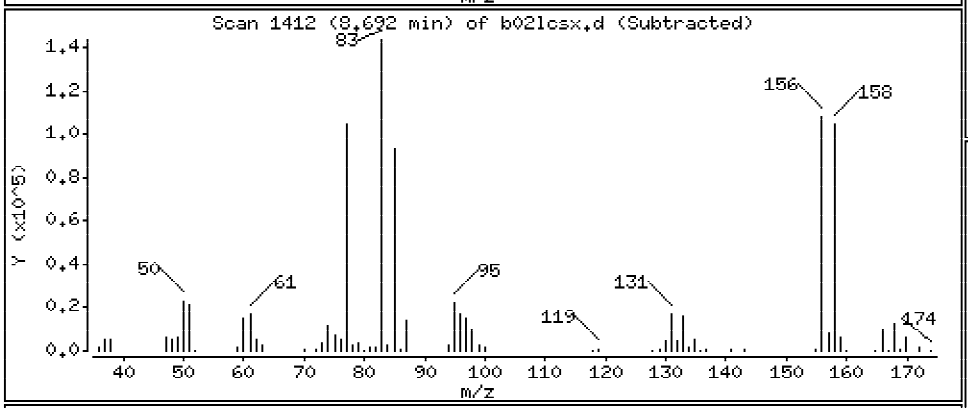
Purge Volume: 5.0 Operator: rsw

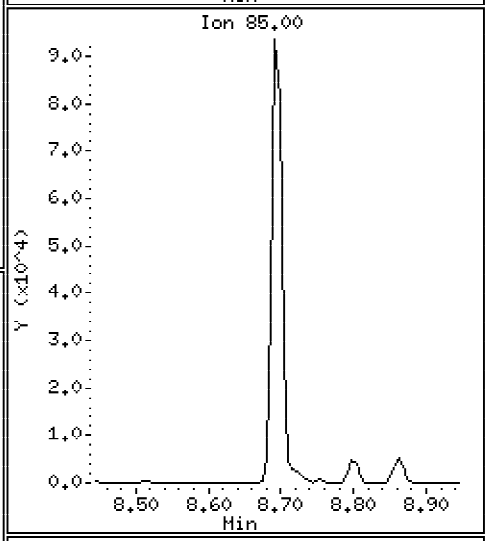
Column phase: DB-624 Column diameter: 0.18

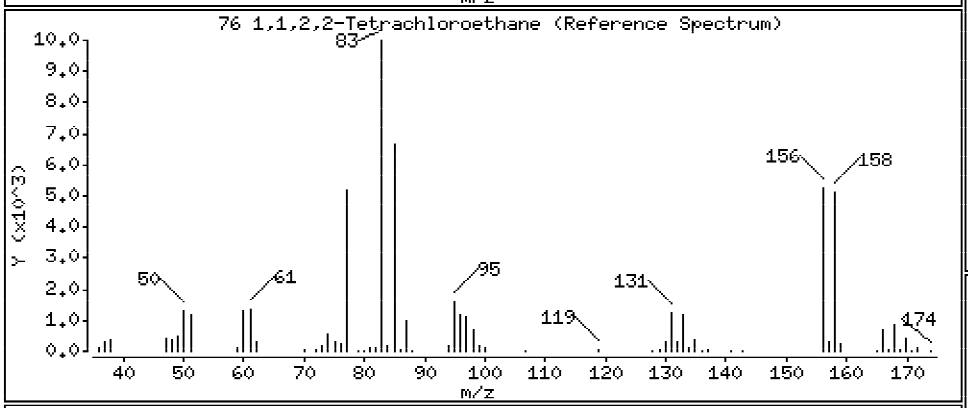
76 1,1,2,2-Tetrachloroethane Concentration: 46.7 ppb

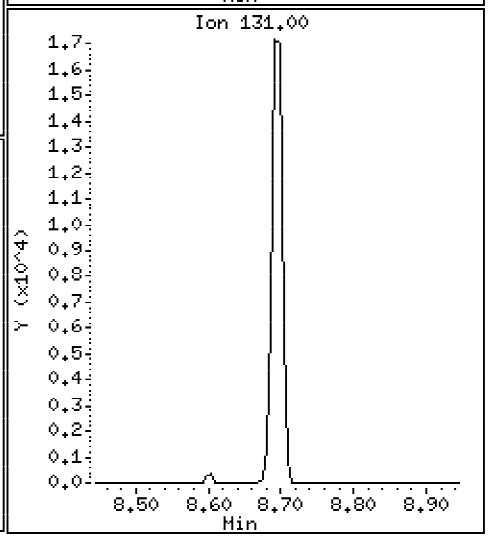


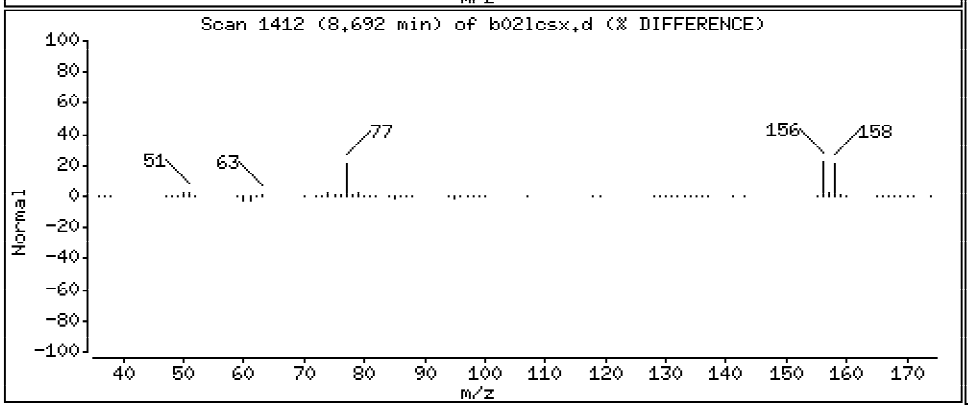












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d Page 76

Date : 15-JAN-2014 12:23

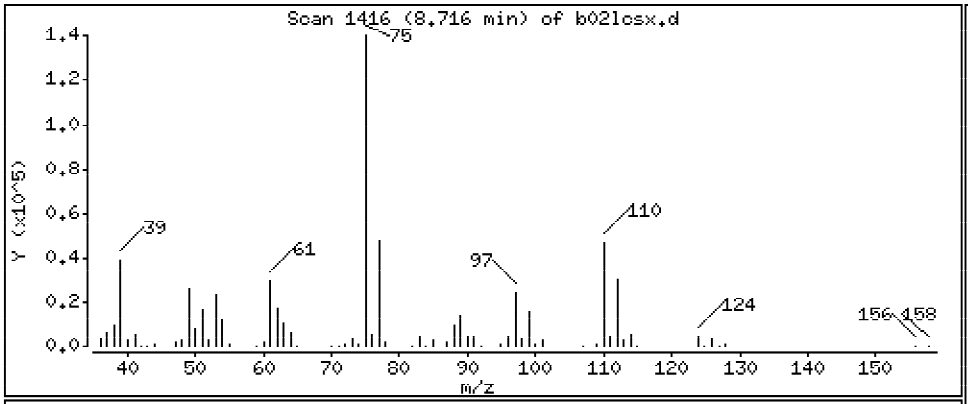
Client ID: 1039438 Instrument: 50mv4b.i

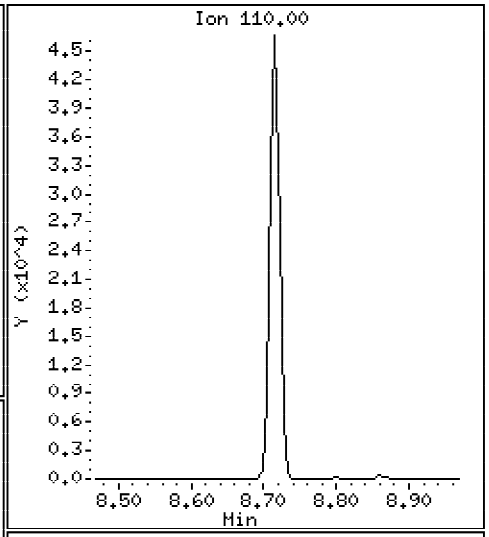
Sample Info: 1039438,59952:5

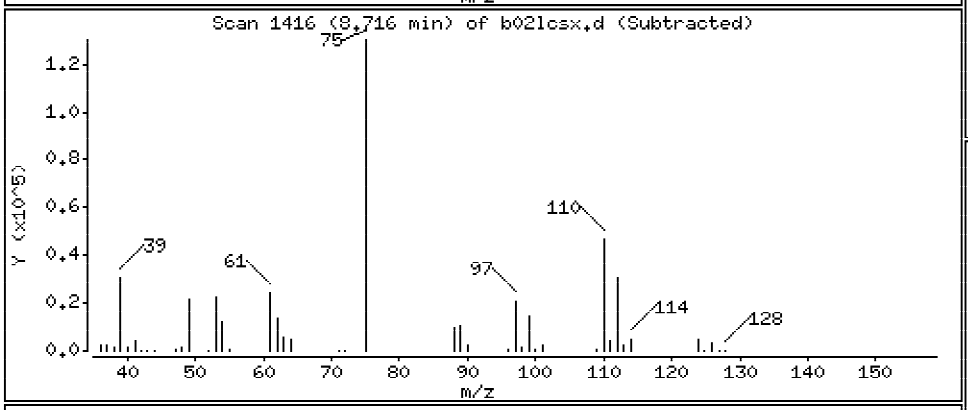
Purge Volume: 5.0 Operator: rsw

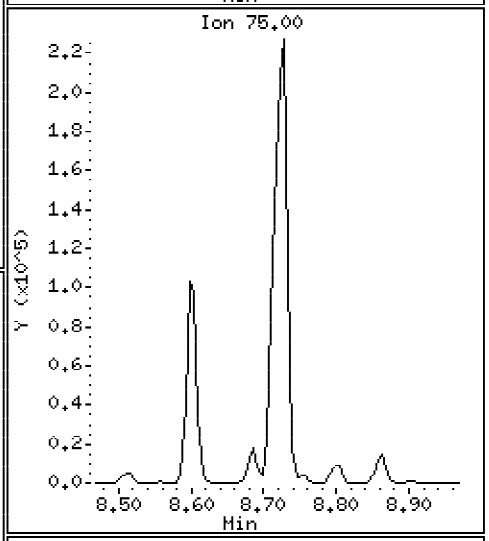
Column phase: DB-624 Column diameter: 0.18

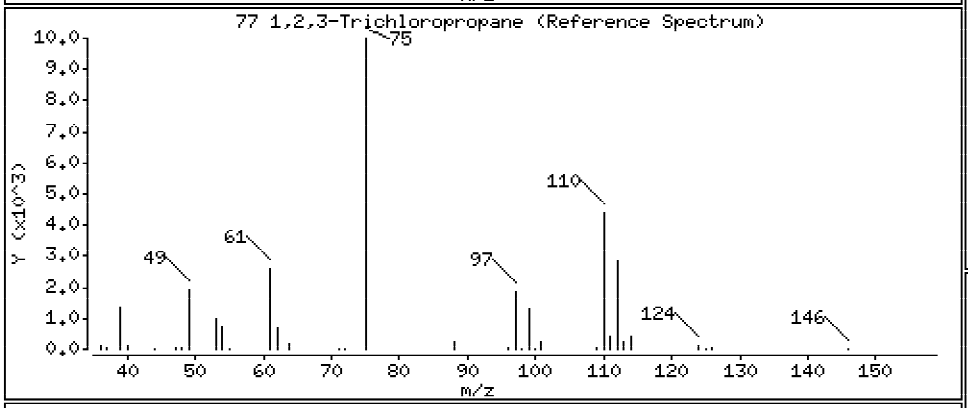
77 1,2,3-Trichloropropane Concentration: 46.3 ppb

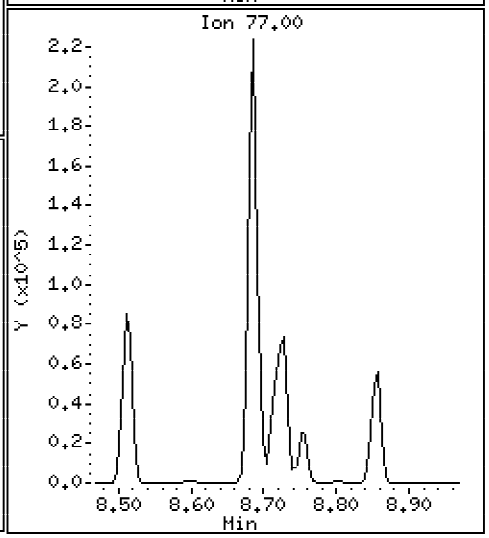


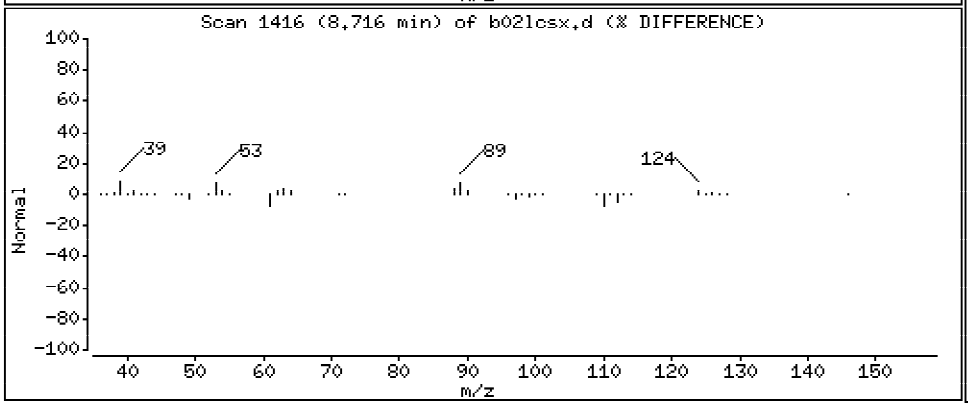












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d Page 77

Date : 15-JAN-2014 12:23

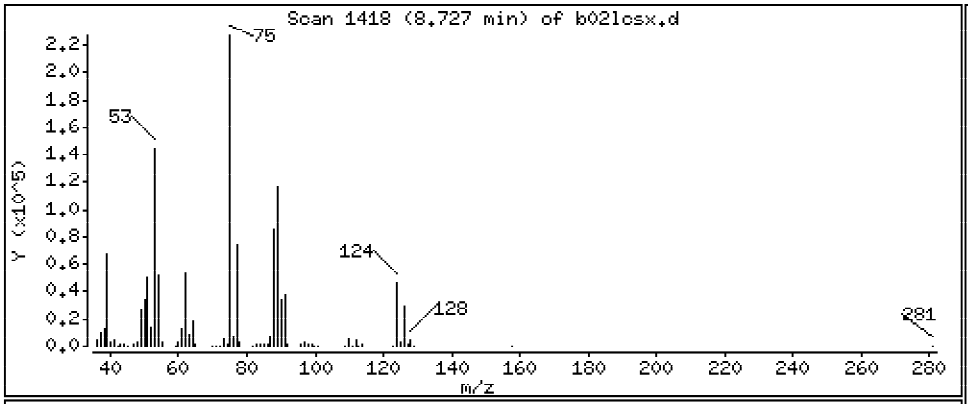
Client ID: 1039438 Instrument: 50mv4b.i

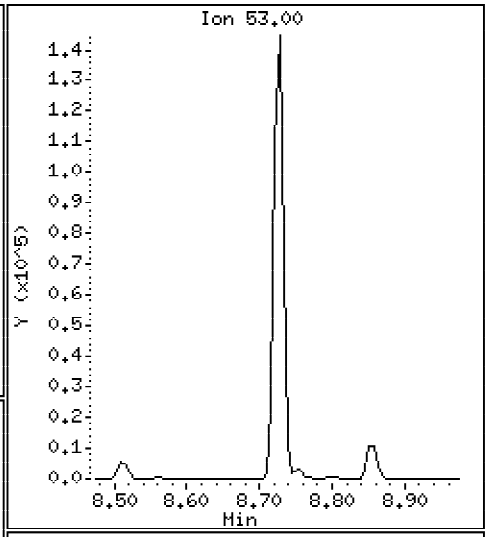
Sample Info: 1039438,59952:5

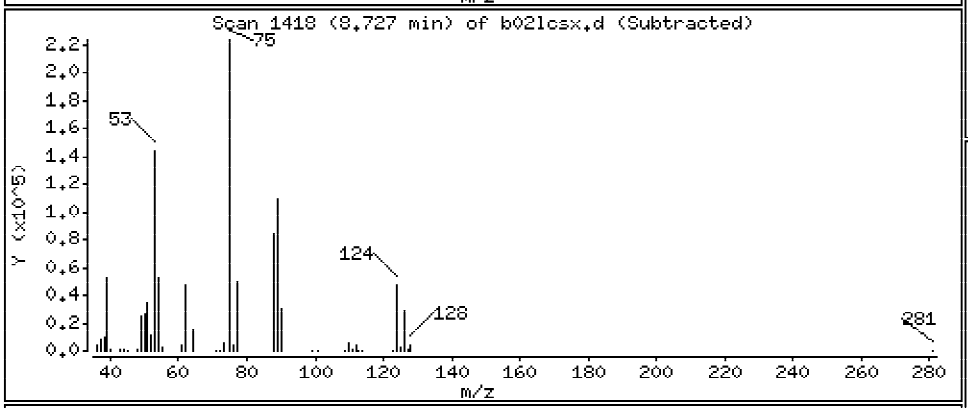
Purge Volume: 5.0 Operator: rsw

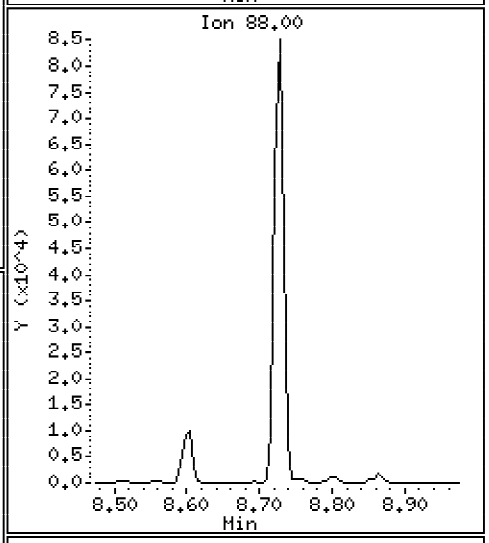
Column phase: DB-624 Column diameter: 0.18

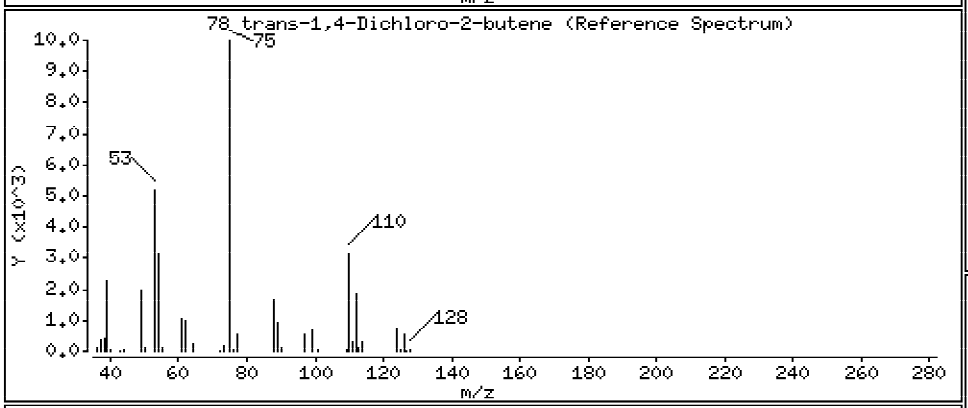
78 trans-1,4-Dichloro-2-butene Concentration: 242 ppb

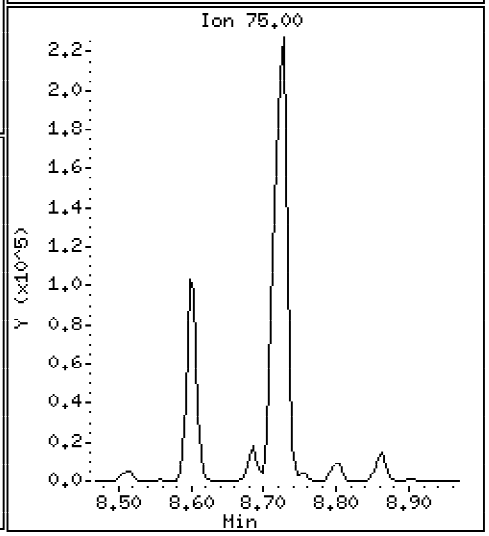


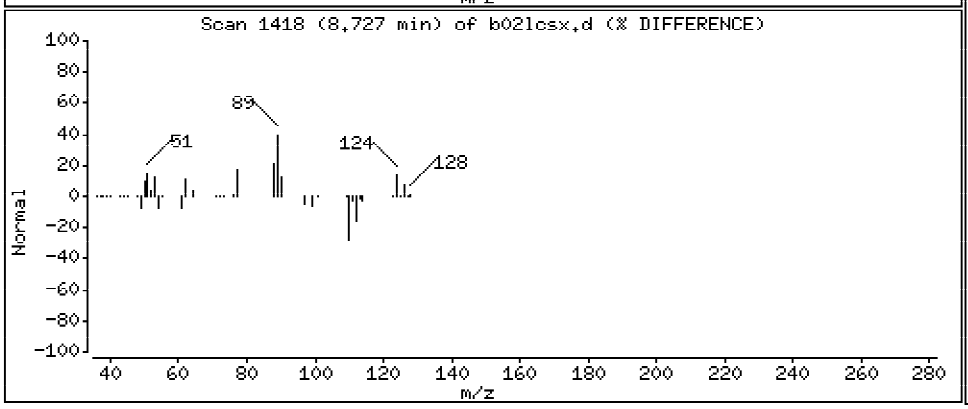












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d Page 78

Date : 15-JAN-2014 12:23

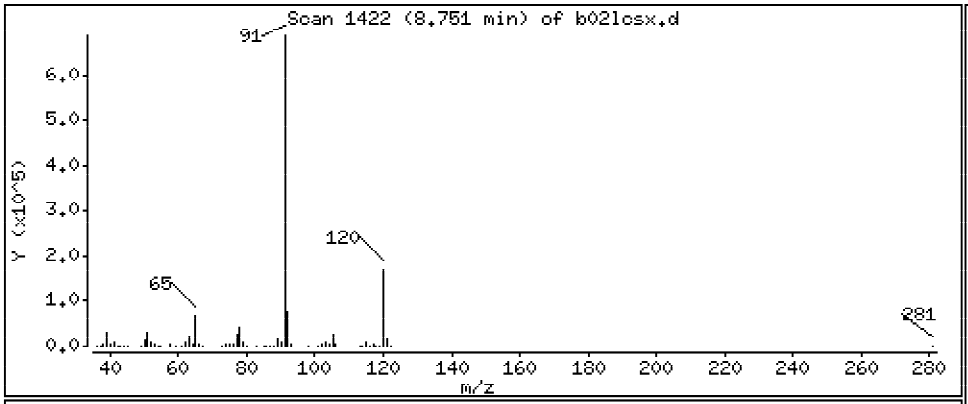
Client ID: 1039438 Instrument: 50mv4b.i

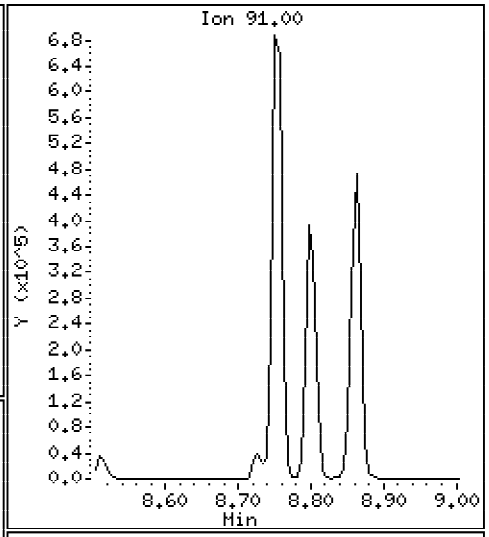
Sample Info: 1039438,59952:5

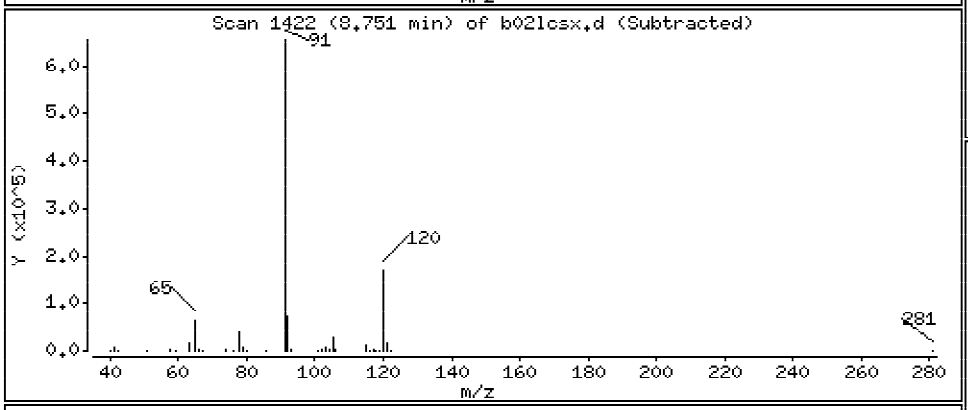
Purge Volume: 5.0 Operator: rsw

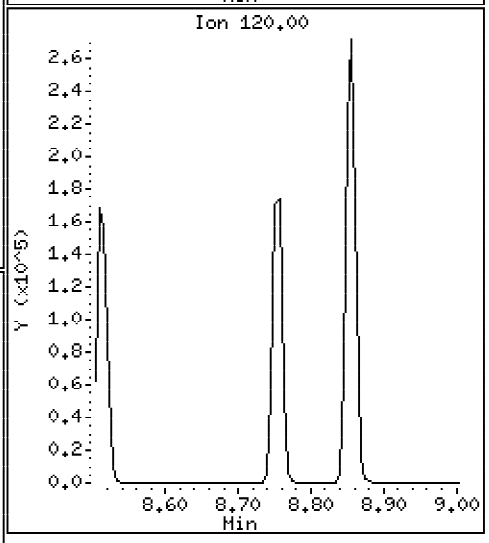
Column phase: DB-624 Column diameter: 0.18

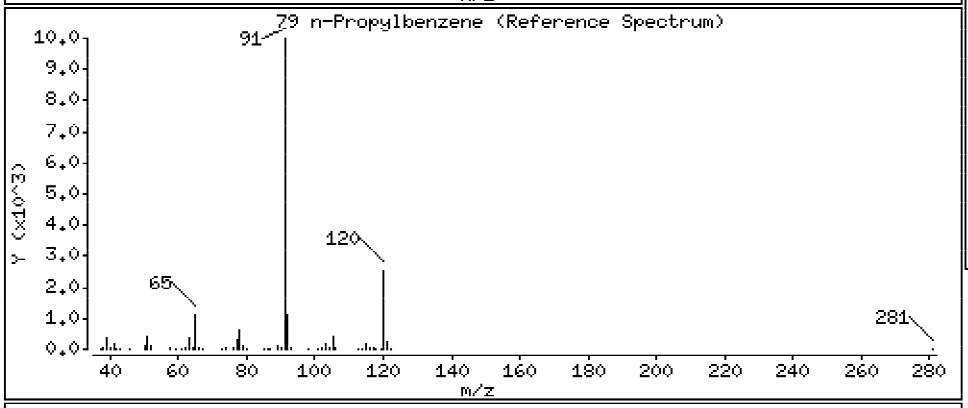
79 n-Propylbenzene Concentration: 50.8 ppb

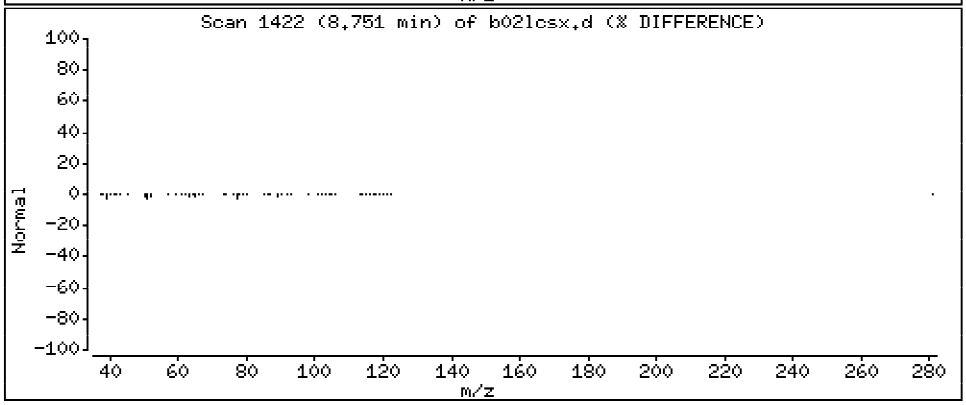












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d Page 79

Date : 15-JAN-2014 12:23

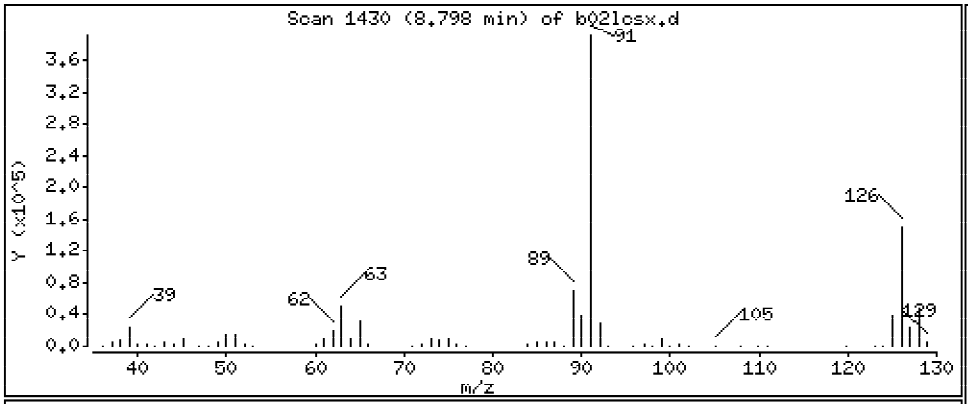
Client ID: 1039438 Instrument: 50mv4b.i

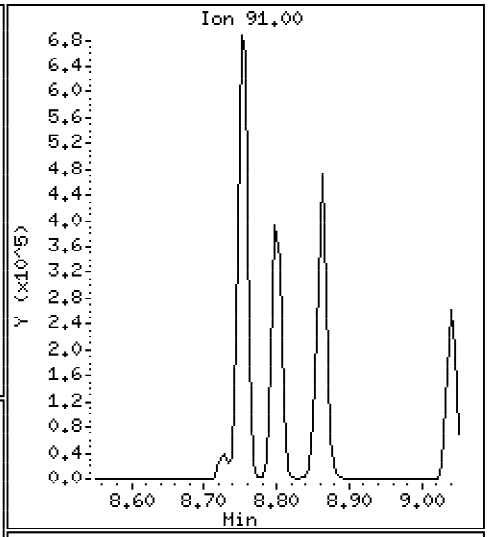
Sample Info: 1039438,59952:5

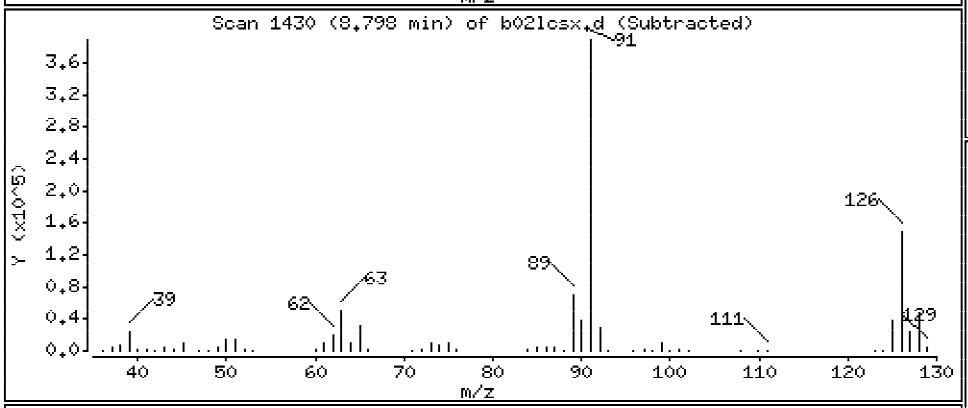
Purge Volume: 5.0 Operator: rsw

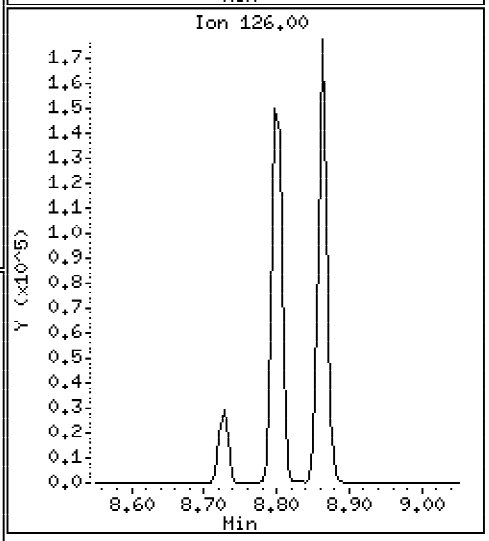
Column phase: DB-624 Column diameter: 0.18

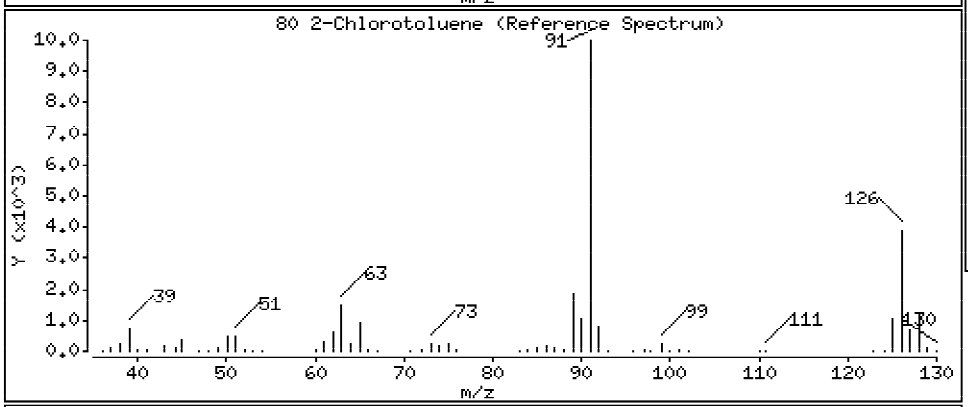
80 2-Chlorotoluene Concentration: 47.9 ppb

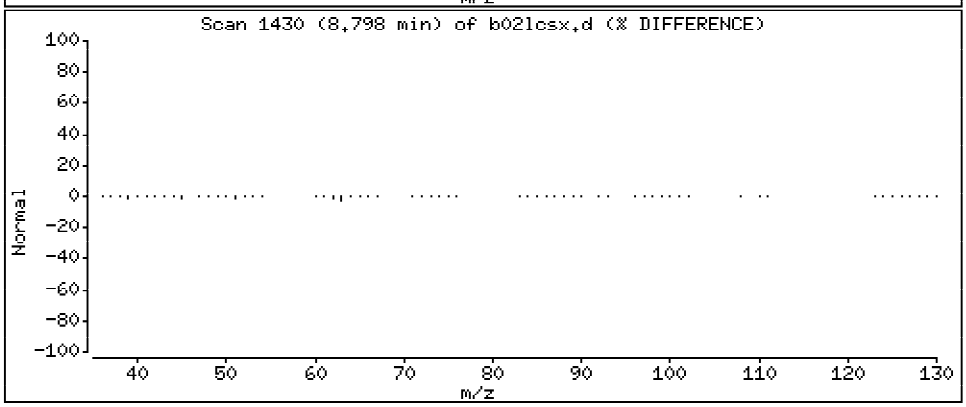












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d Page 80

Date : 15-JAN-2014 12:23

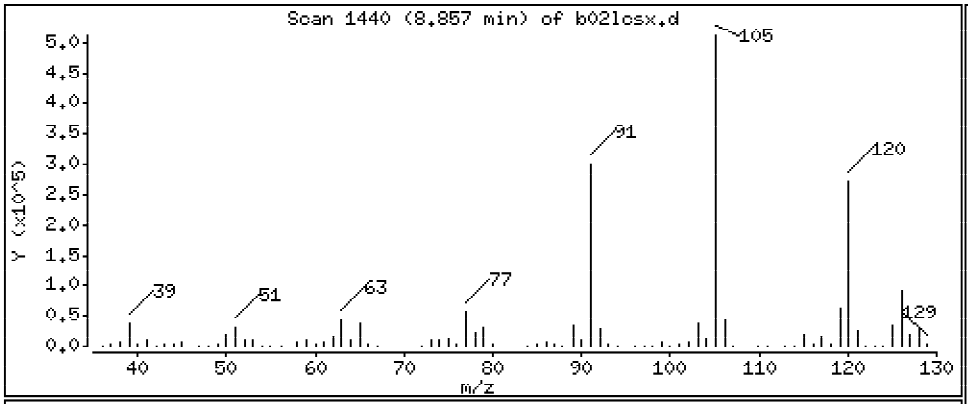
Client ID: 1039438 Instrument: 50mv4b.i

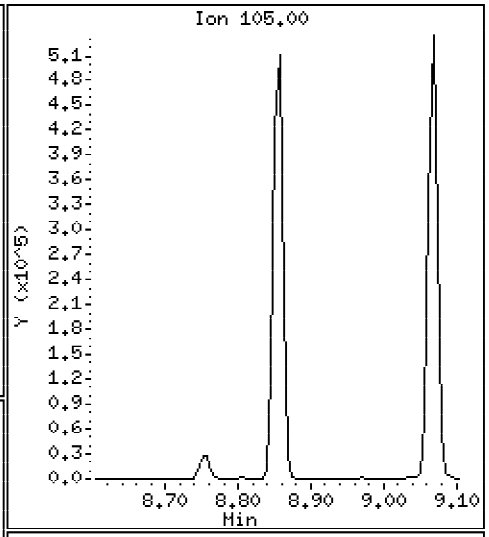
Sample Info: 1039438,59952:5

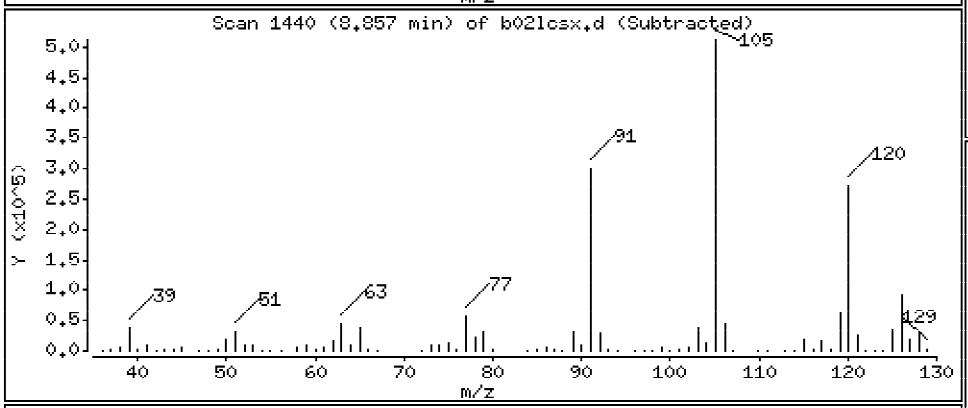
Purge Volume: 5.0 Operator: rsw

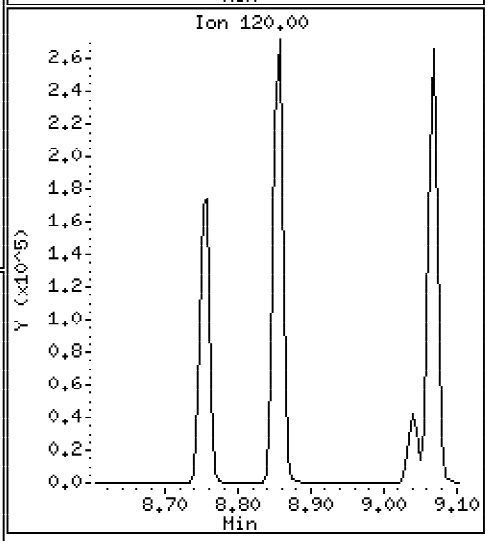
Column phase: DB-624 Column diameter: 0.18

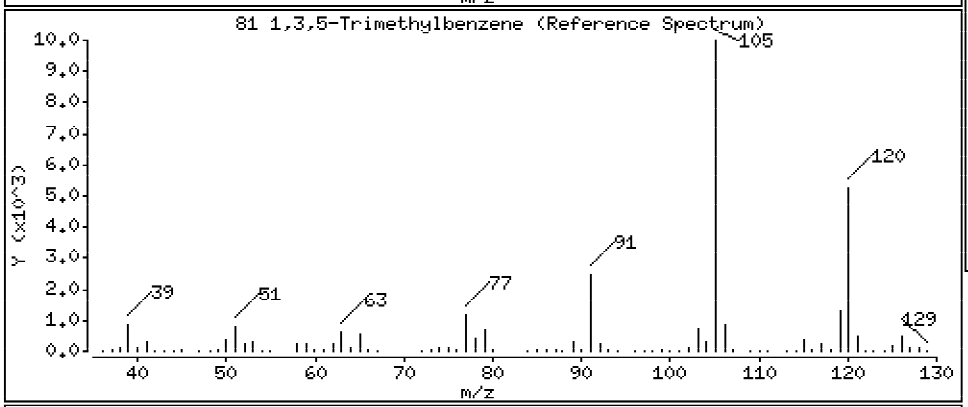
81 1,3,5-Trimethylbenzene Concentration: 50.5 ppb

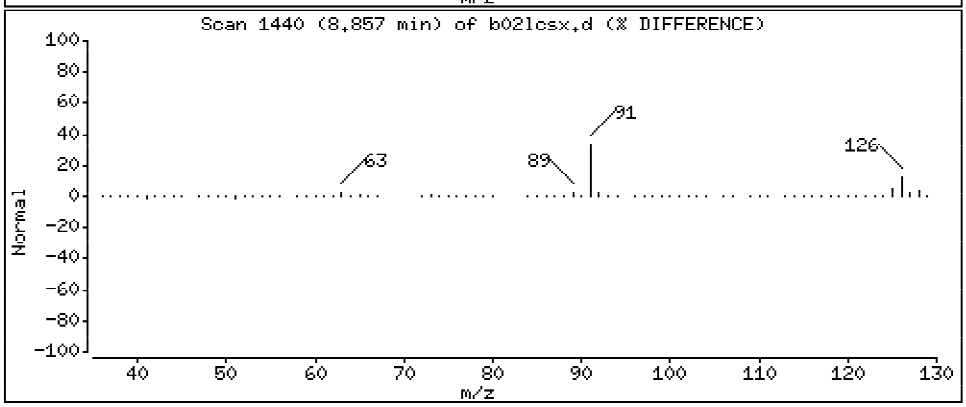












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d Page 81

Date : 15-JAN-2014 12:23

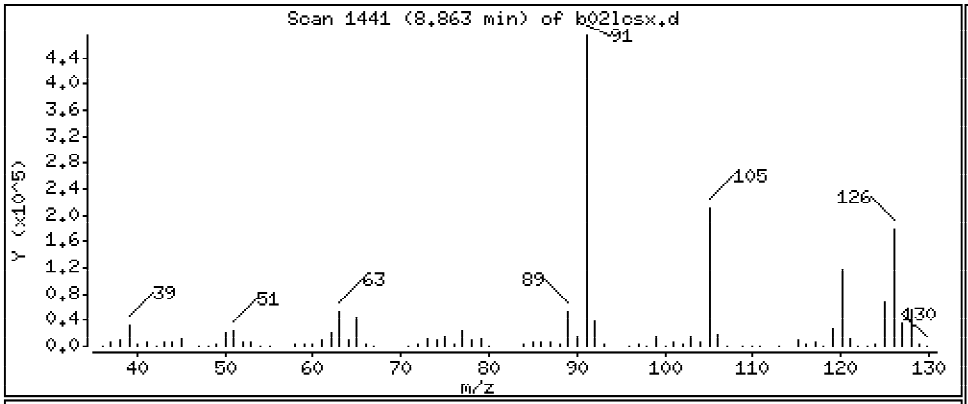
Client ID: 1039438 Instrument: 50mv4b.i

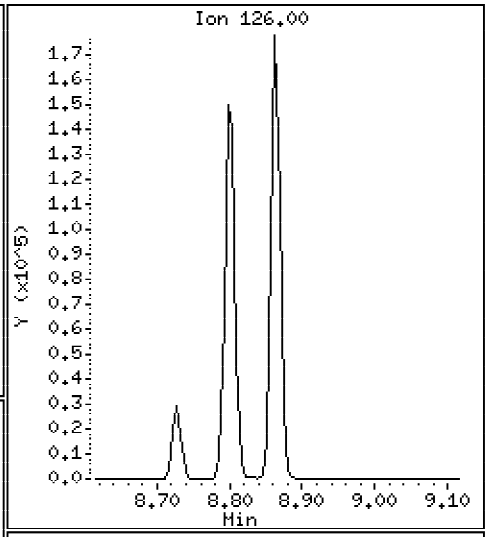
Sample Info: 1039438,59952:5

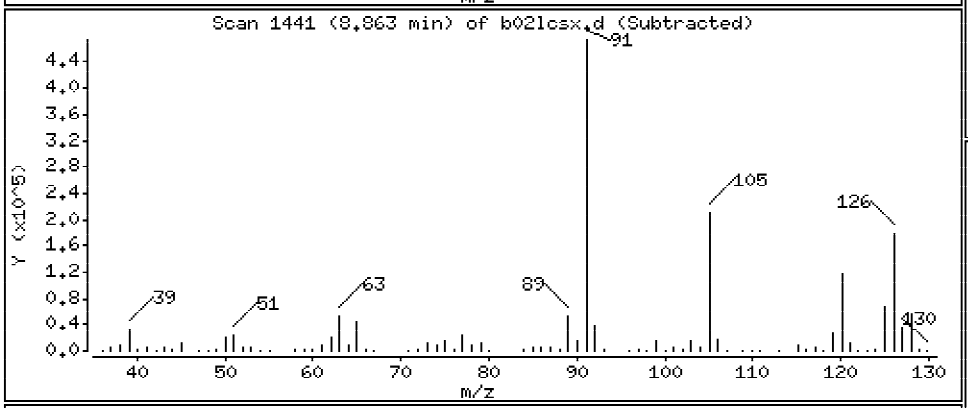
Purge Volume: 5.0 Operator: rsw

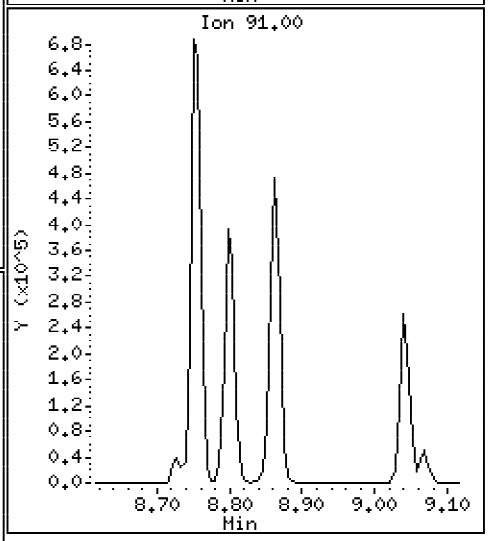
Column phase: DB-624 Column diameter: 0.18

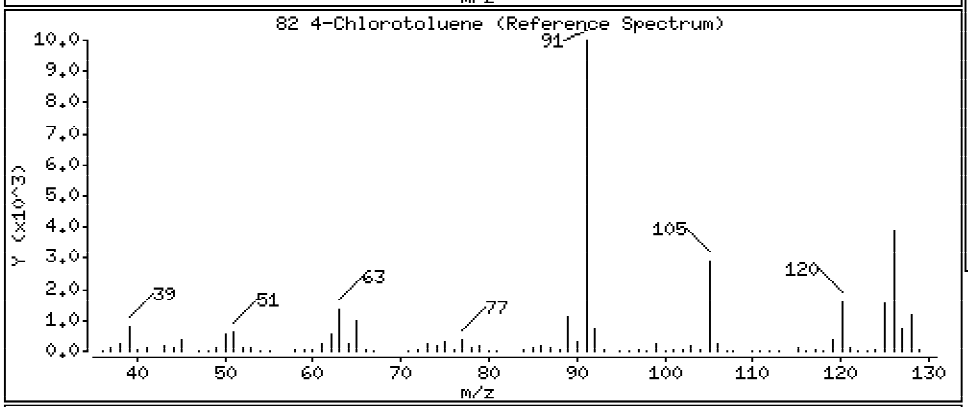
82 4-Chlorotoluene Concentration: 52.1 ppb

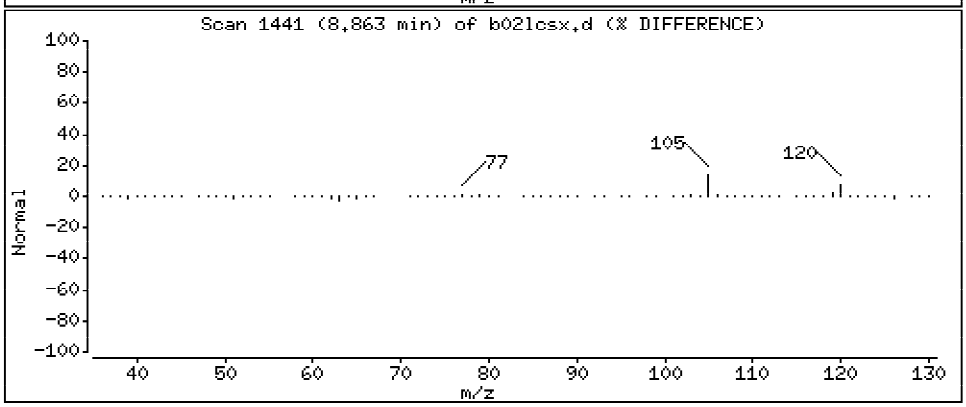












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b021csx.d Page 82

Date : 15-JAN-2014 12:23

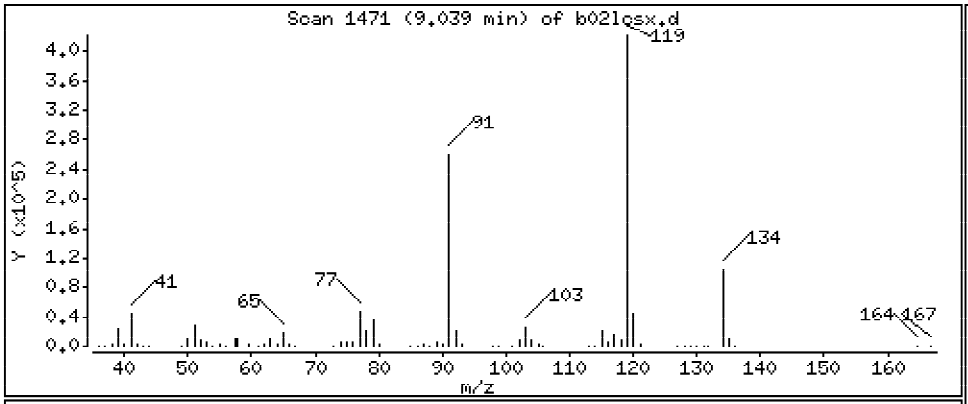
Client ID: 1039438 Instrument: 50mv4b.i

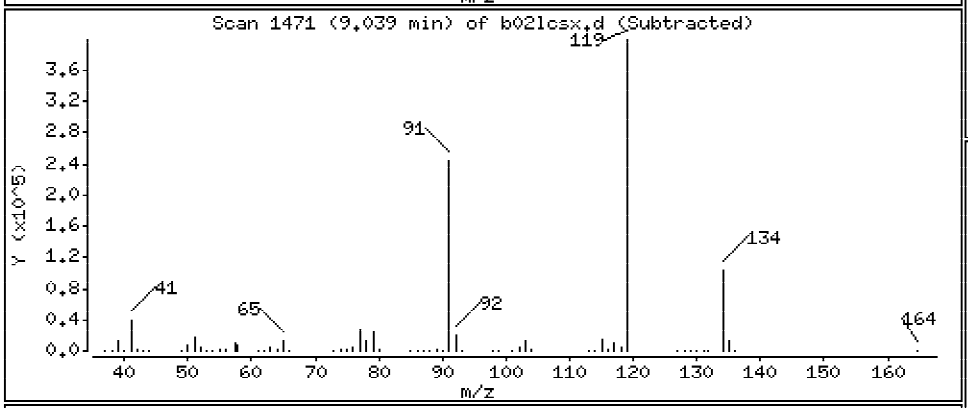
Sample Info: 1039438,59952:5

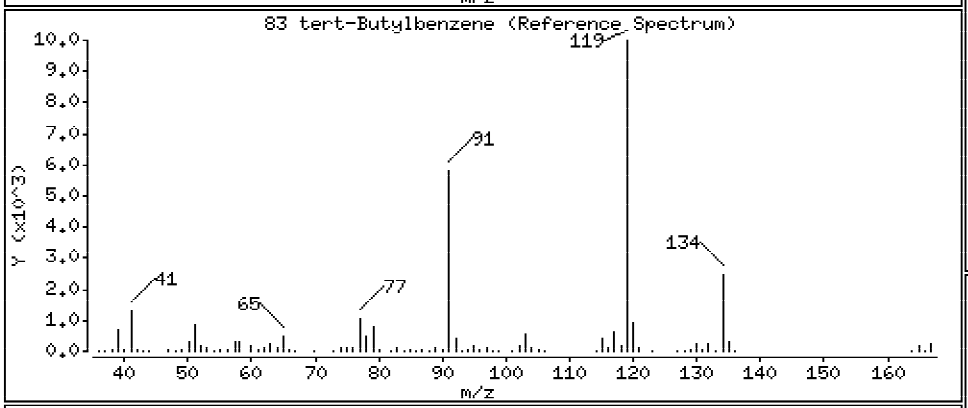
Purge Volume: 5.0 Operator: rsw

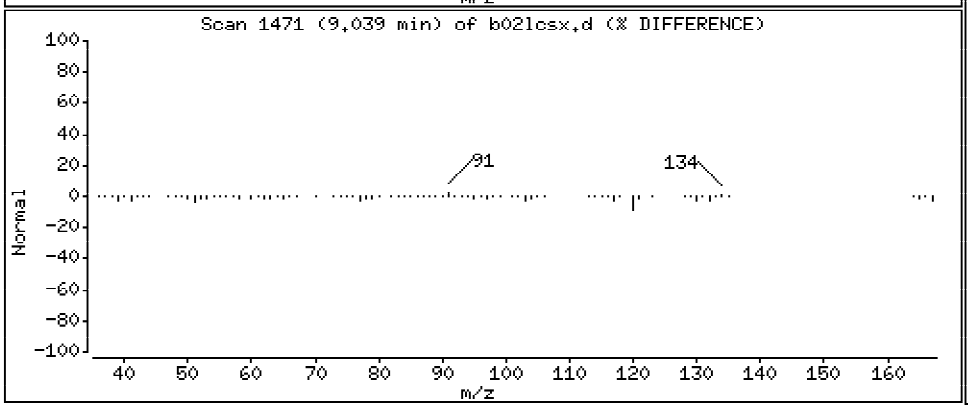
Column phase: DB-624 Column diameter: 0.18

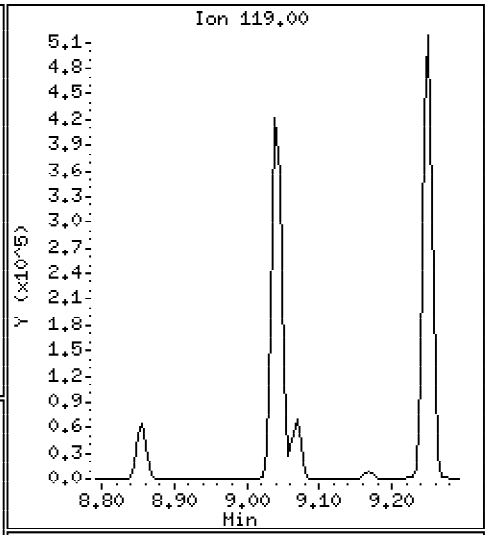
83 tert-Butylbenzene Concentration: 41.1 ppb

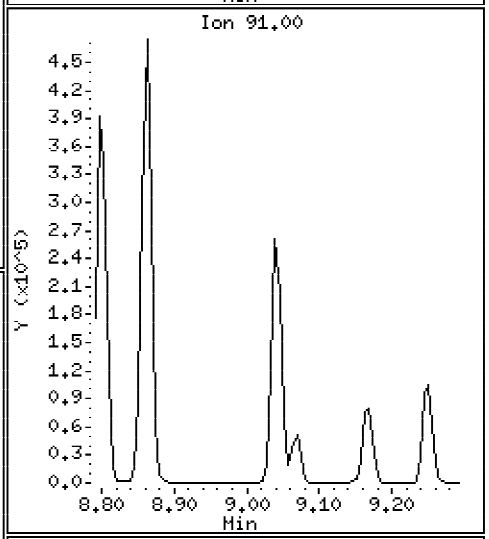


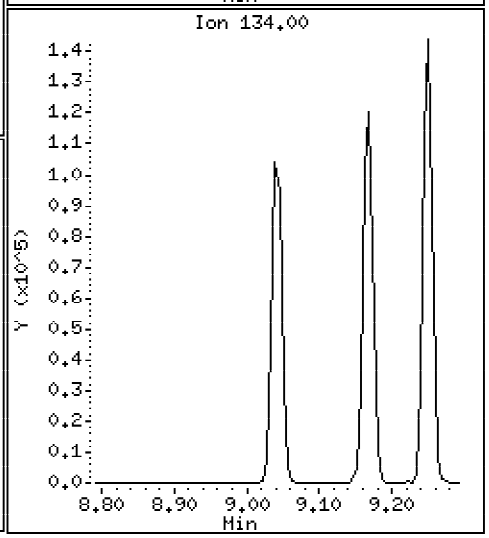












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d Page 83

Date : 15-JAN-2014 12:23

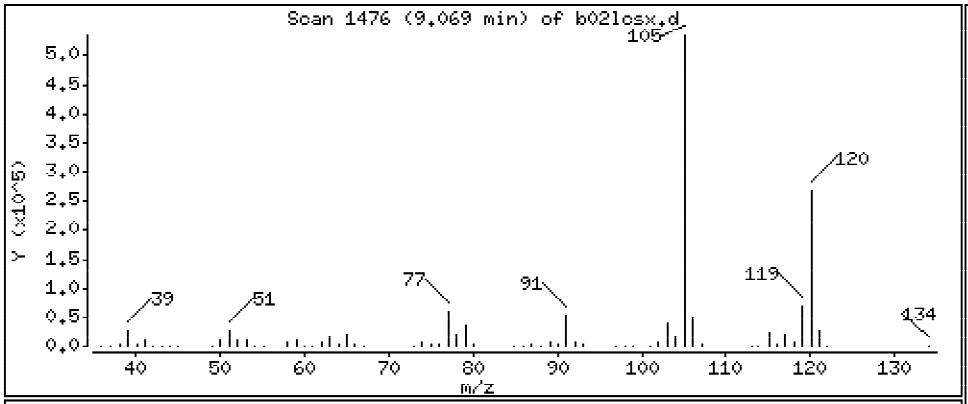
Client ID: 1039438 Instrument: 50mv4b.i

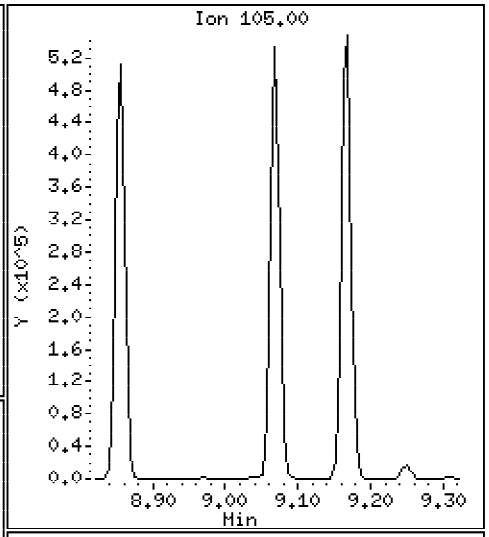
Sample Info: 1039438,59952:5

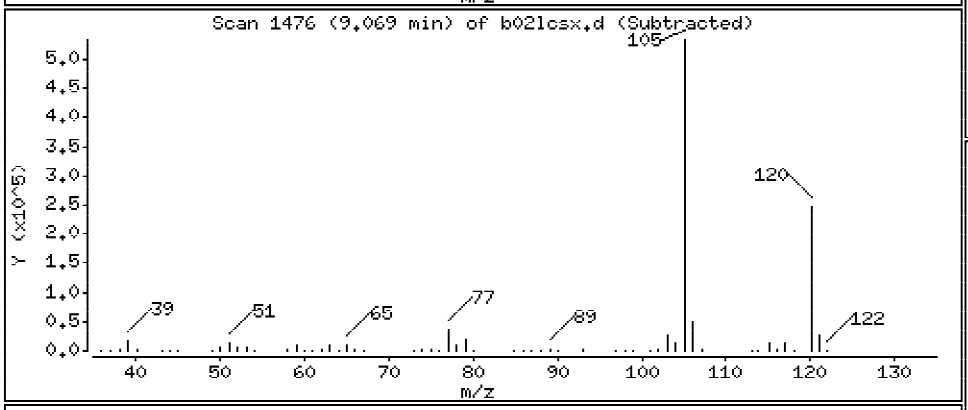
Purge Volume: 5.0 Operator: rsw

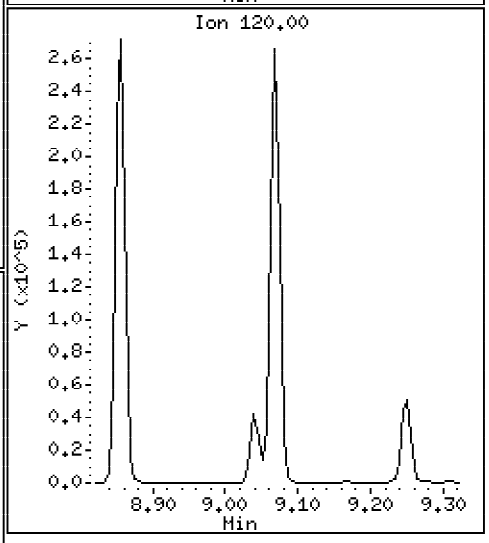
Column phase: DB-624 Column diameter: 0.18

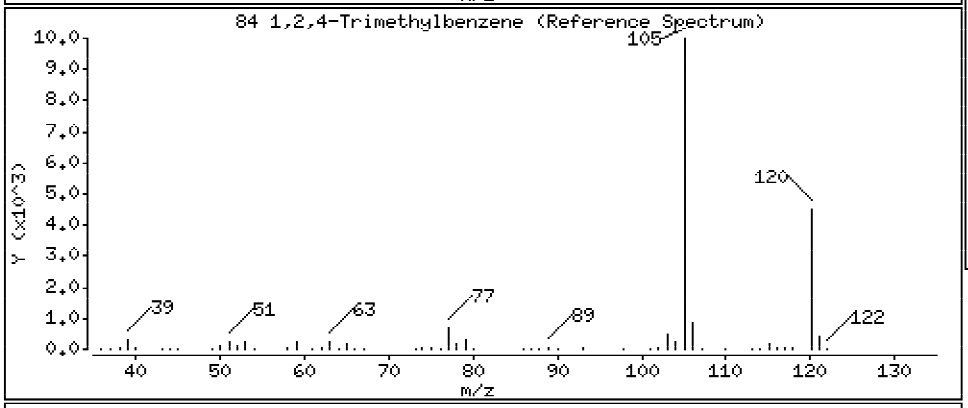
84 1,2,4-Trimethylbenzene Concentration: 49.2 ppb

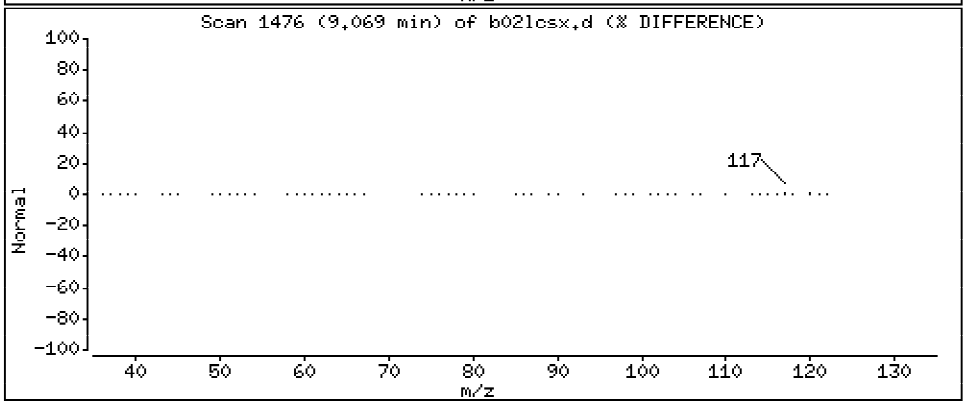












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d Page 84

Date : 15-JAN-2014 12:23

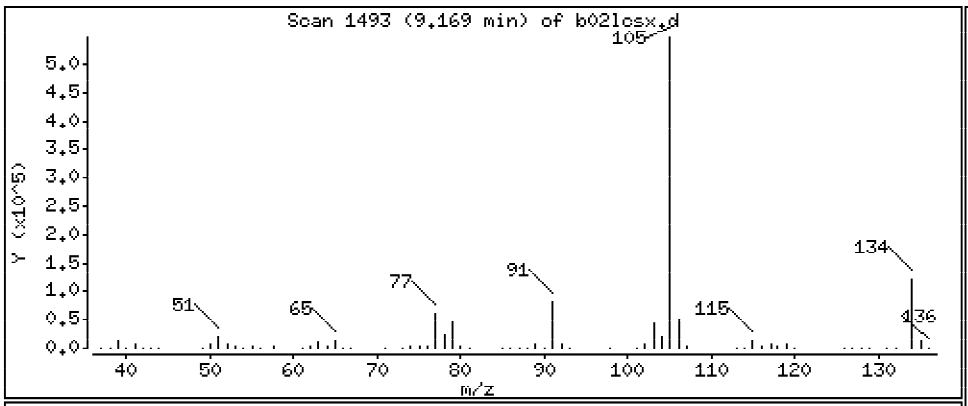
Client ID: 1039438 Instrument: 50mv4b.i

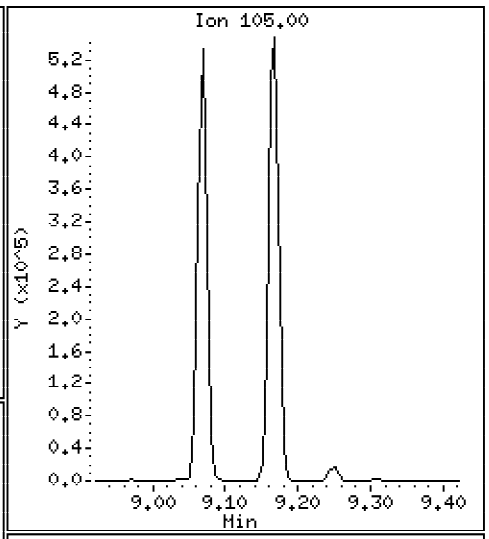
Sample Info: 1039438,59952:5

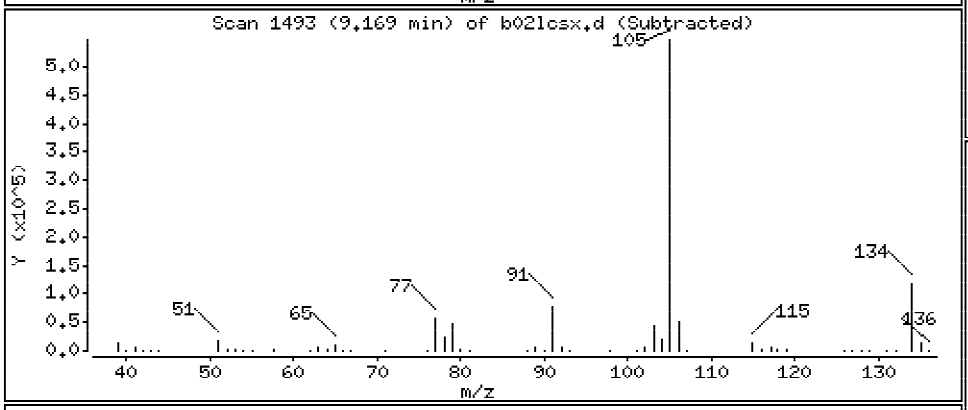
Purge Volume: 5.0 Operator: rsw

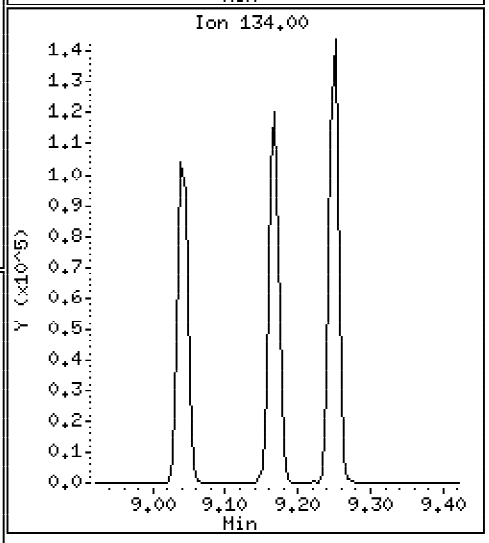
Column phase: DB-624 Column diameter: 0.18

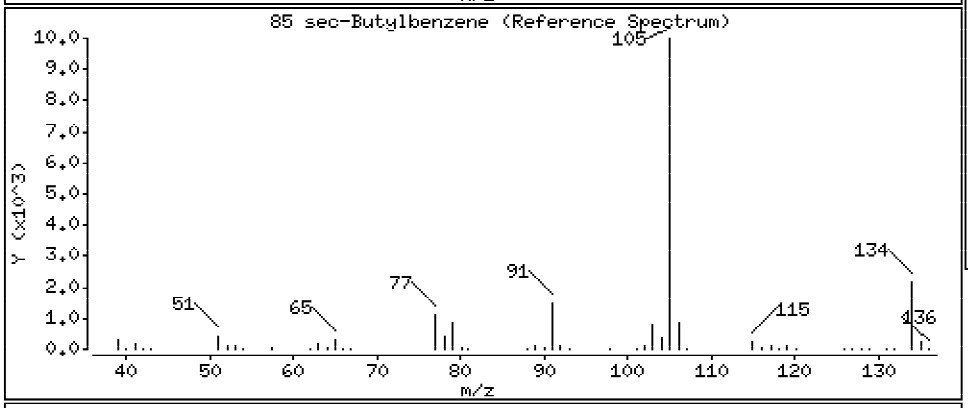
85 sec-Butylbenzene Concentration: 50.3 ppb

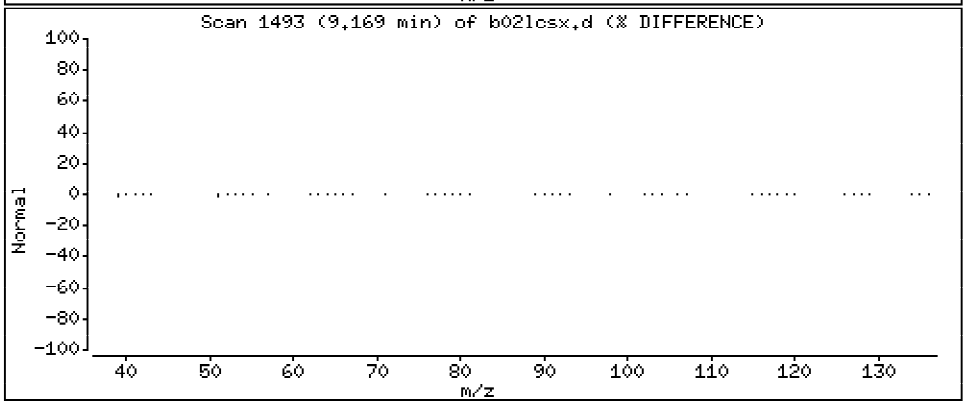












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d Page 85

Date : 15-JAN-2014 12:23

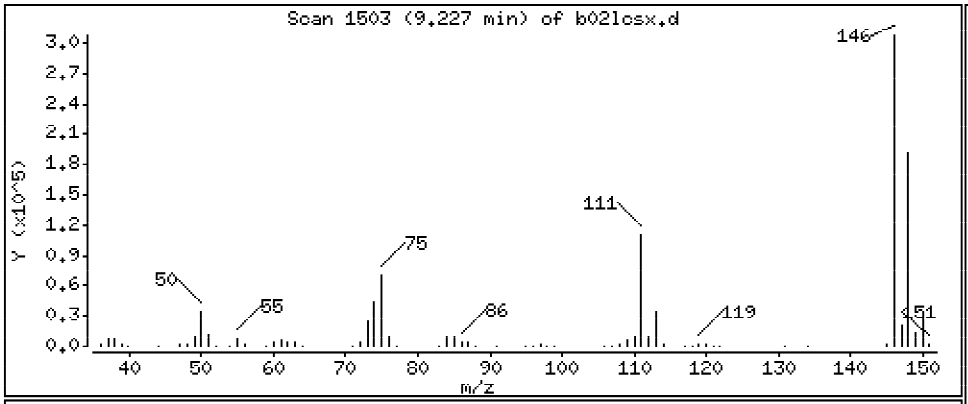
Client ID: 1039438 Instrument: 50mv4b.i

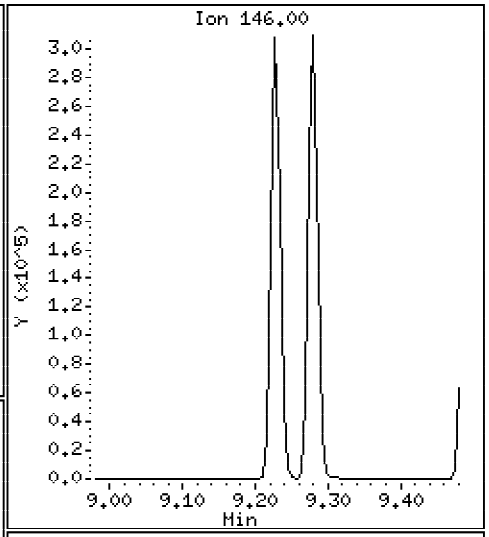
Sample Info: 1039438,59952:5

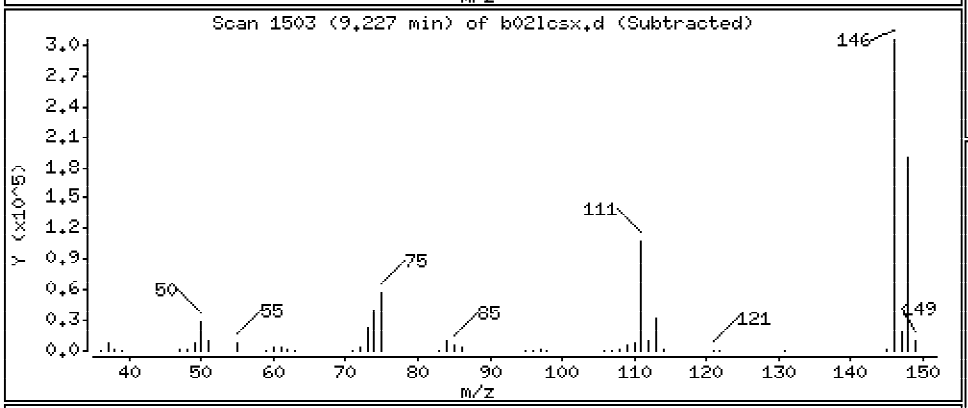
Purge Volume: 5.0 Operator: rsw

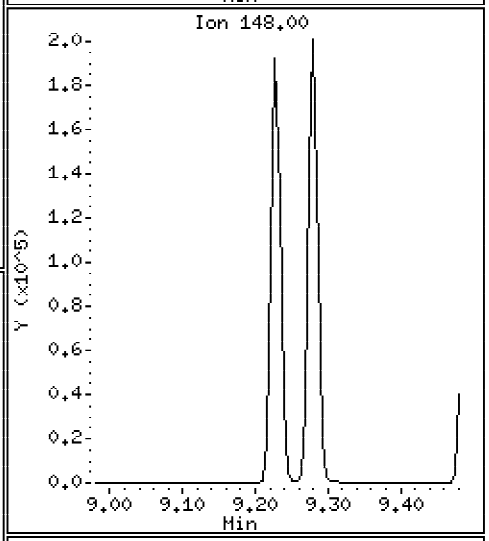
Column phase: DB-624 Column diameter: 0.18

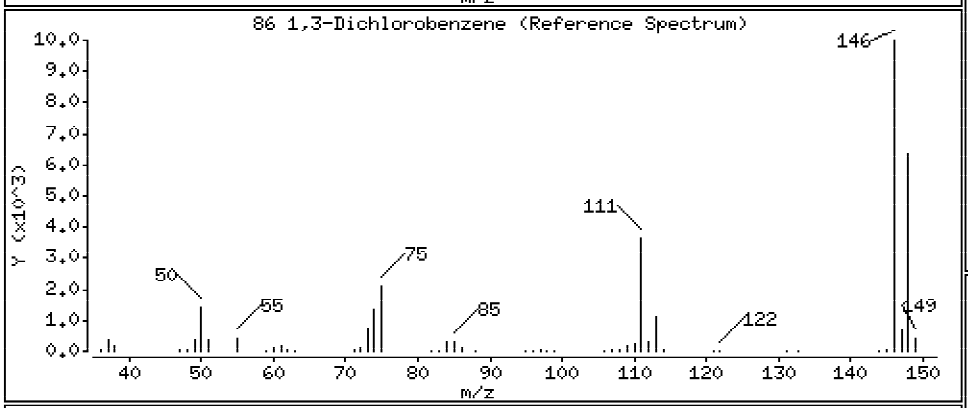
86 1,3-Dichlorobenzene Concentration: 49.5 ppb

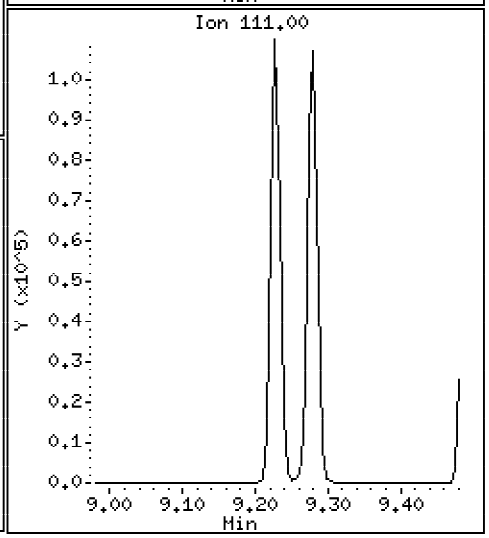


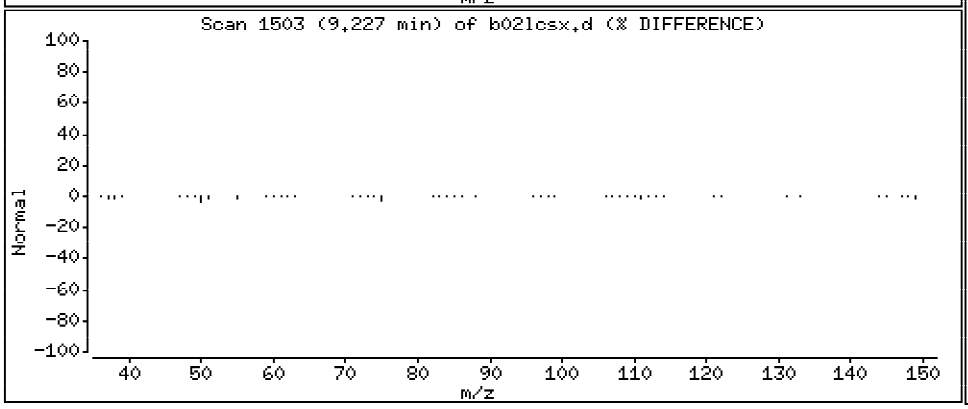












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d Page 86

Date : 15-JAN-2014 12:23

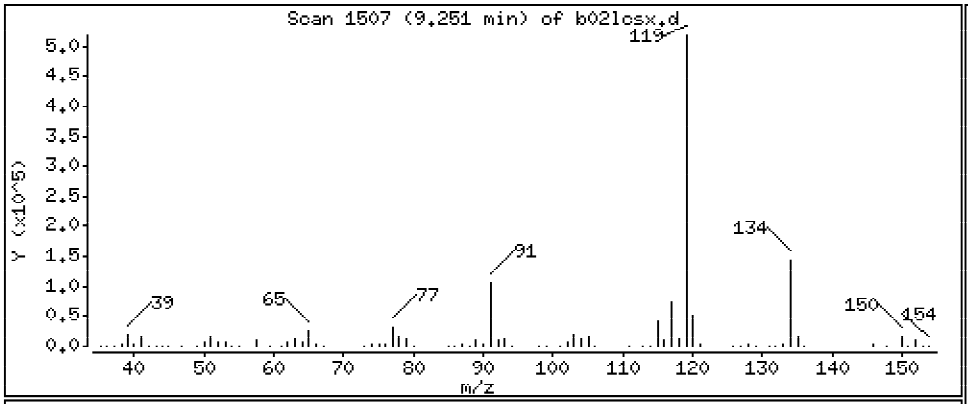
Client ID: 1039438 Instrument: 50mv4b.i

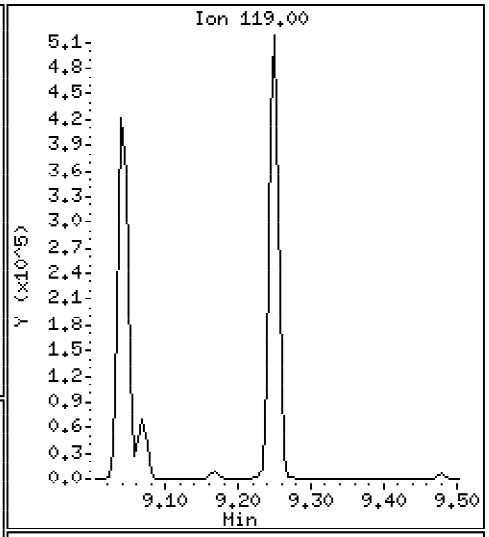
Sample Info: 1039438,59952:5

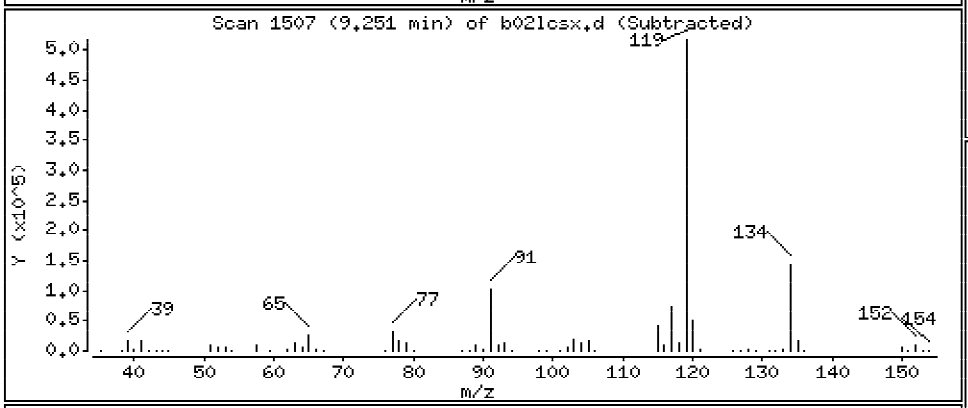
Purge Volume: 5.0 Operator: rsw

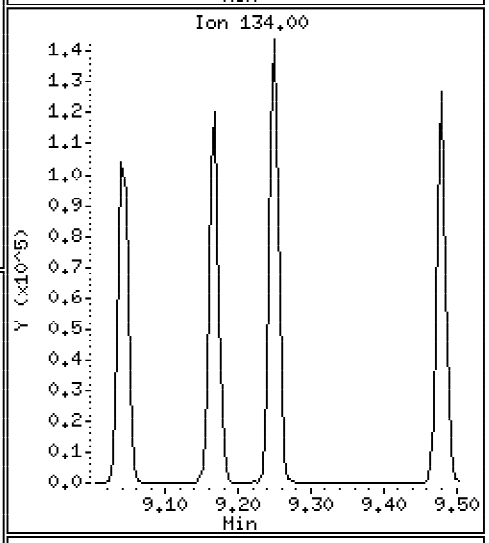
Column phase: DB-624 Column diameter: 0.18

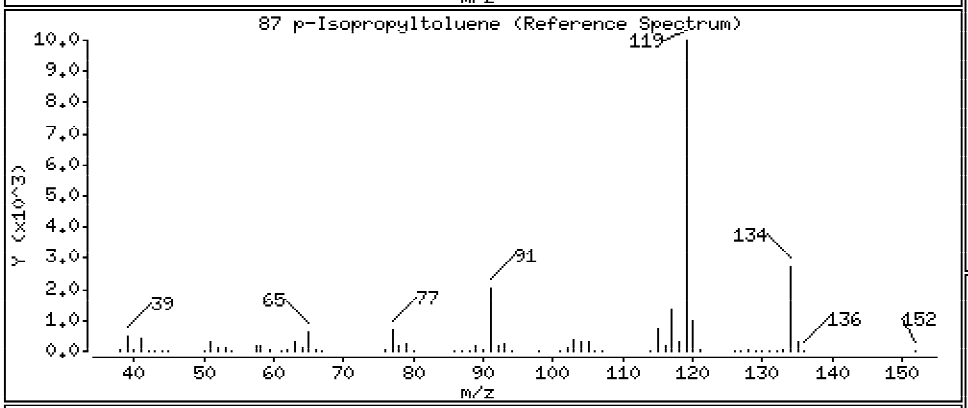
87 p-Isopropyltoluene Concentration: 52.0 ppb

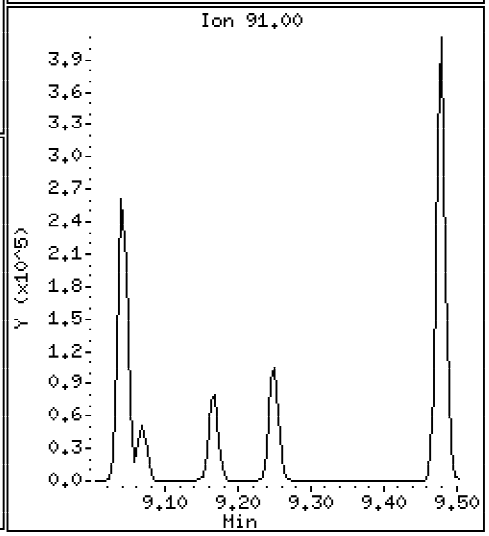


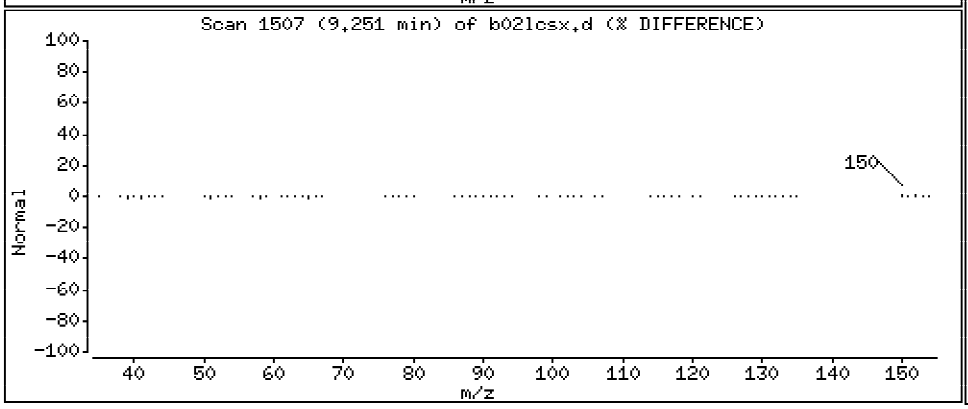












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d Page 87

Date : 15-JAN-2014 12:23

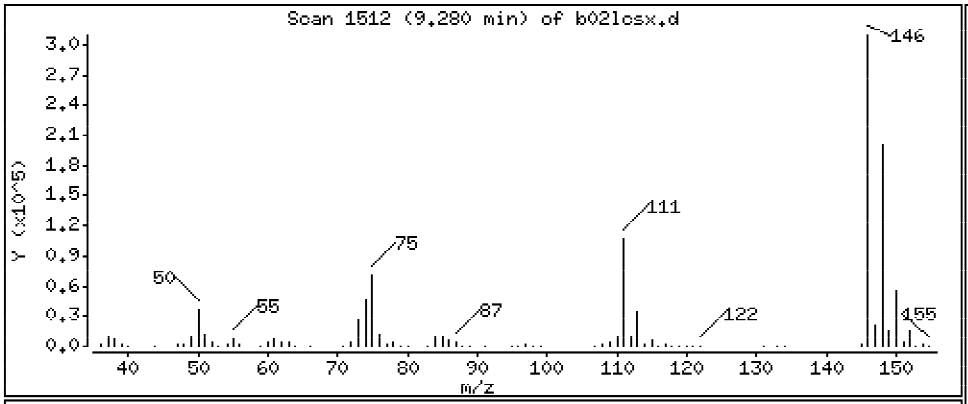
Client ID: 1039438 Instrument: 50mv4b.i

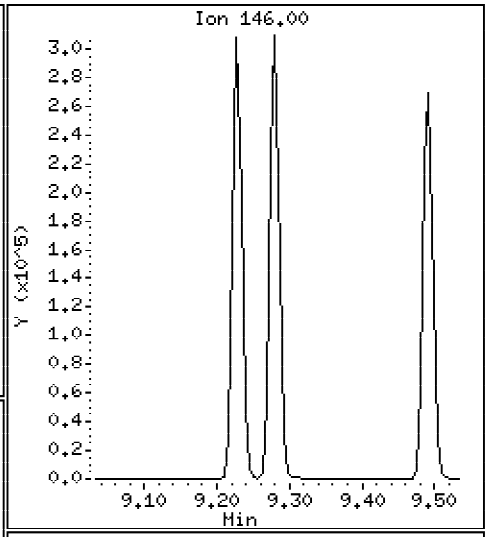
Sample Info: 1039438,59952:5

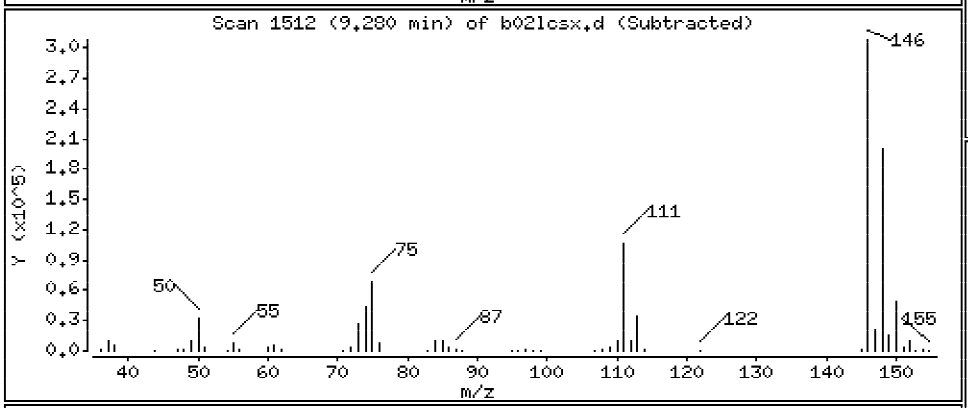
Purge Volume: 5.0 Operator: rsw

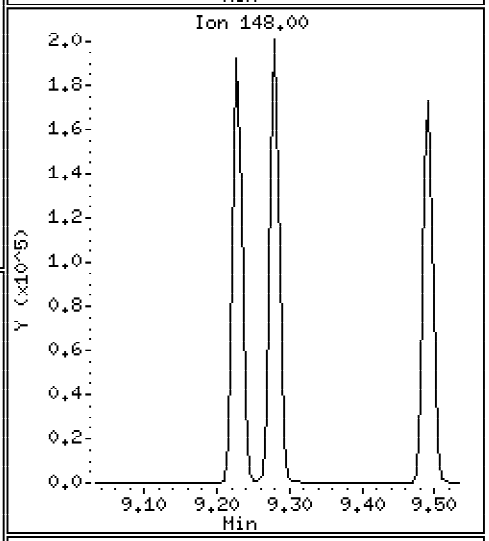
Column phase: DB-624 Column diameter: 0.18

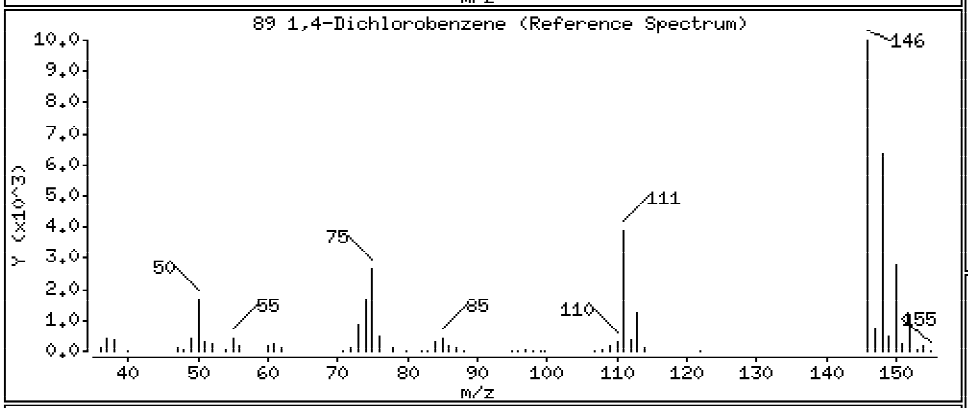
89 1,4-Dichlorobenzene Concentration: 48.8 ppb

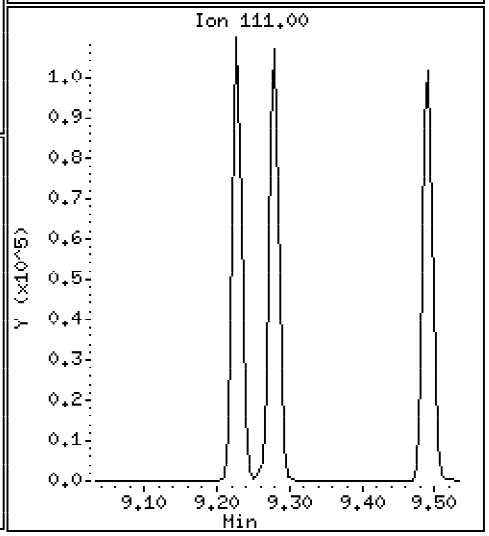


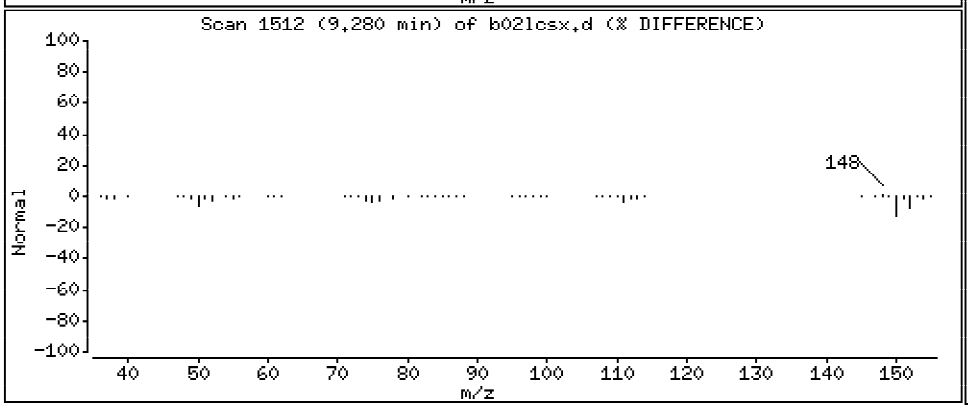












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d Page 88

Date : 15-JAN-2014 12:23

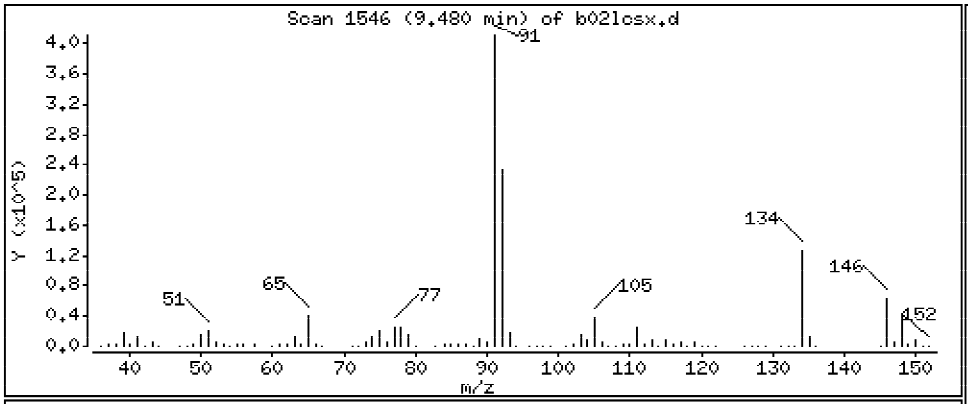
Client ID: 1039438 Instrument: 50mv4b.i

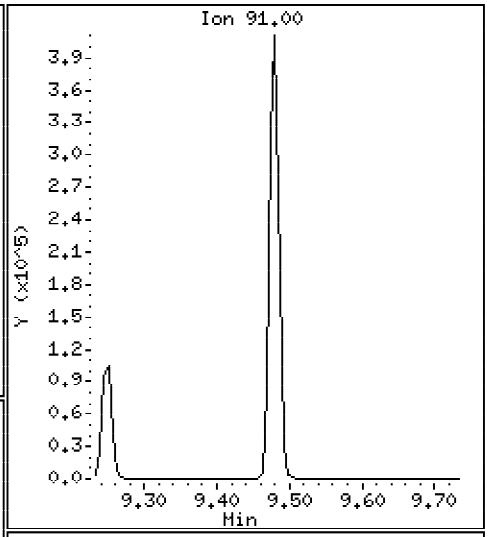
Sample Info: 1039438,59952:5

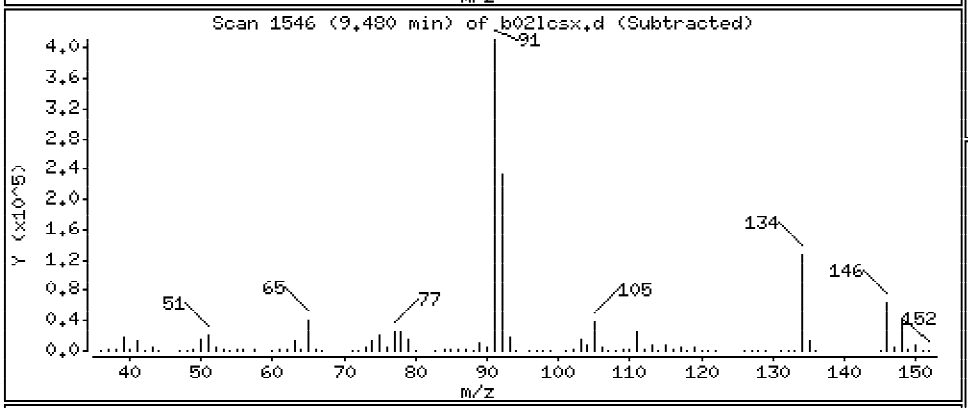
Purge Volume: 5.0 Operator: rsw

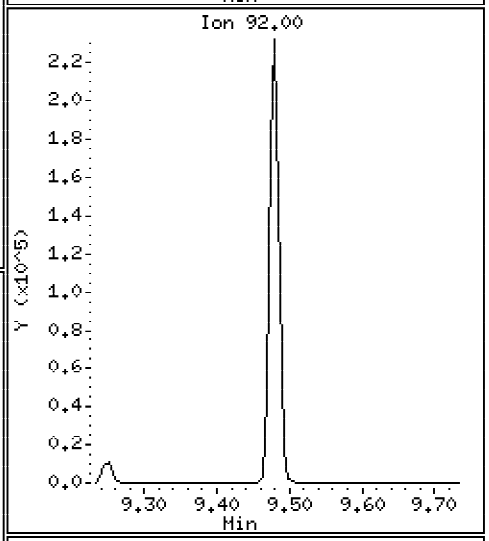
Column phase: DB-624 Column diameter: 0.18

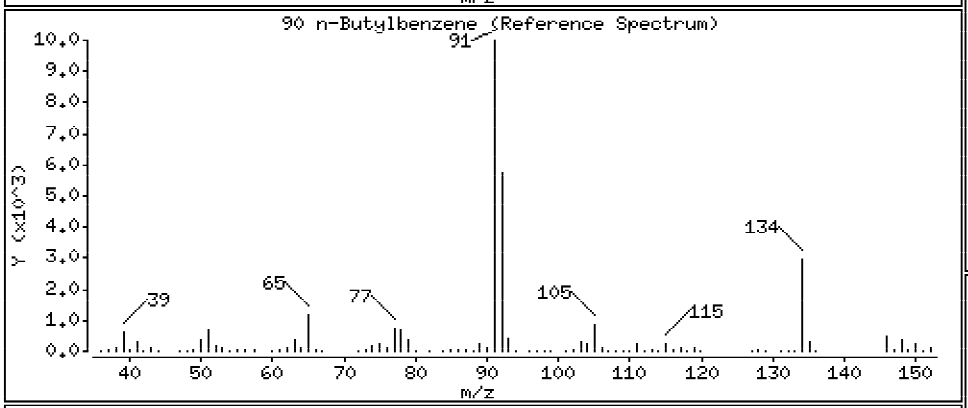
90 n-Butylbenzene Concentration: 53.1 ppb

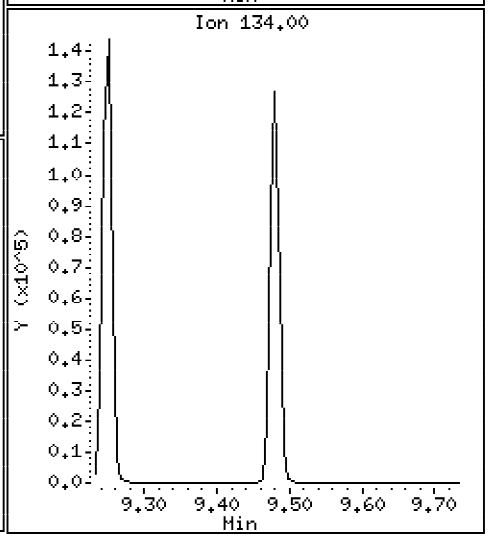


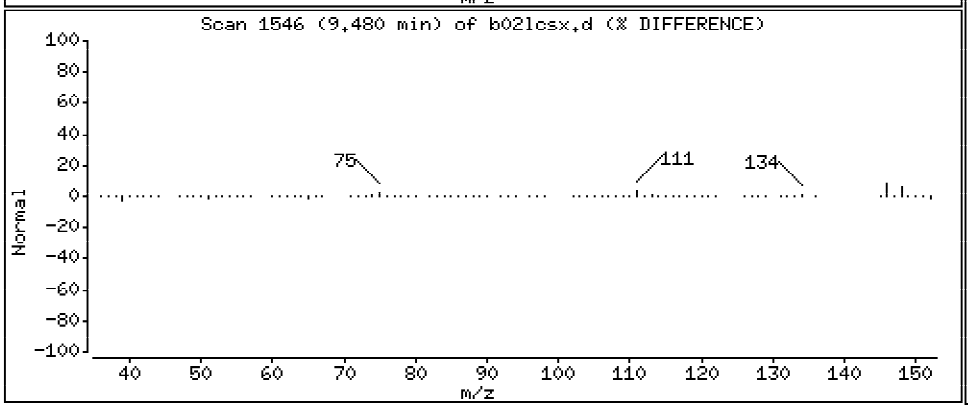












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d Page 89

Date : 15-JAN-2014 12:23

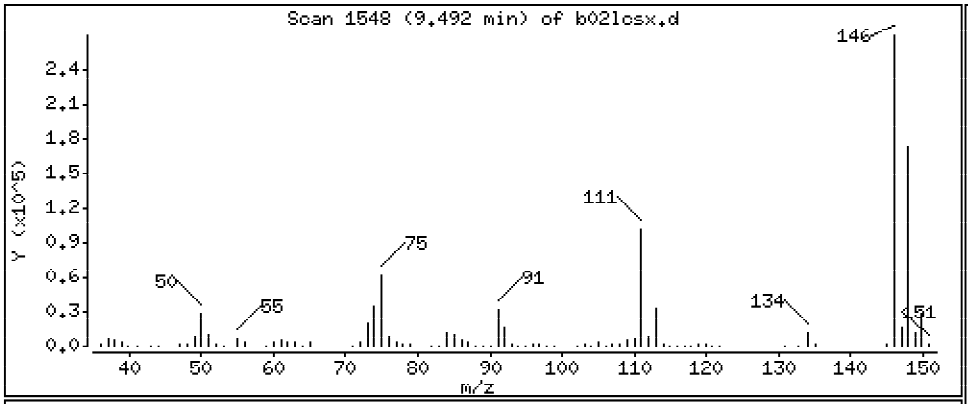
Client ID: 1039438 Instrument: 50mv4b.i

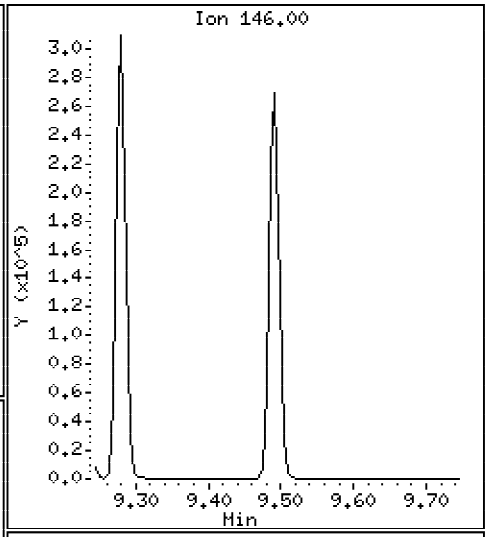
Sample Info: 1039438,59952:5

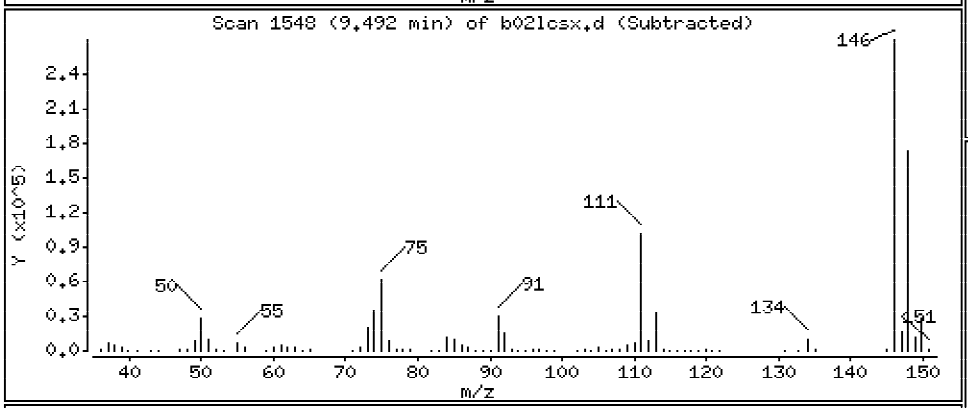
Purge Volume: 5.0 Operator: rsw

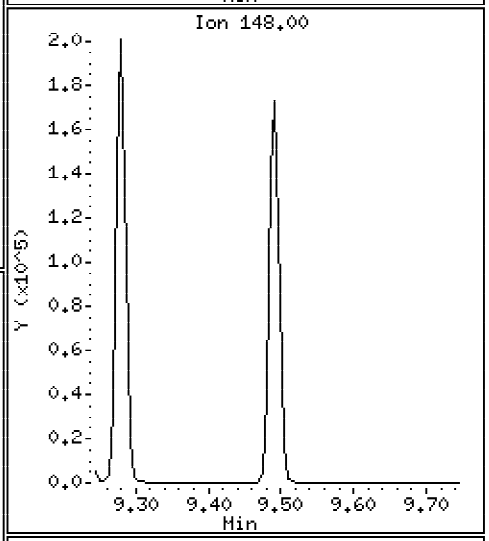
Column phase: DB-624 Column diameter: 0.18

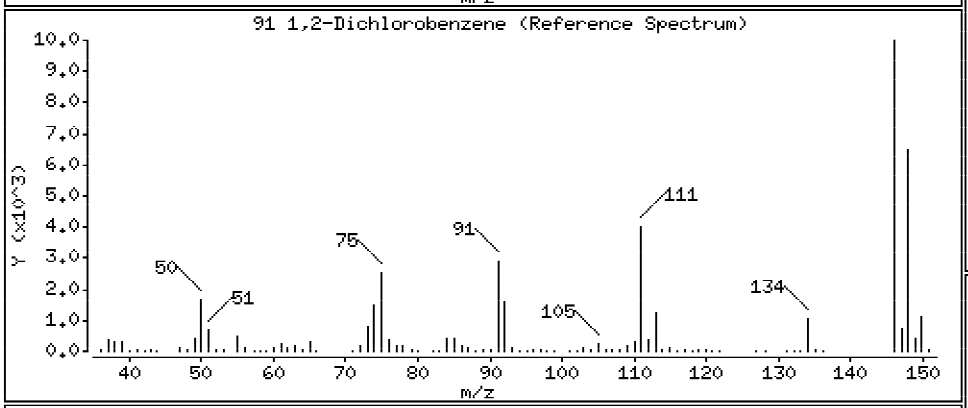
91 1,2-Dichlorobenzene Concentration: 49.6 ppb

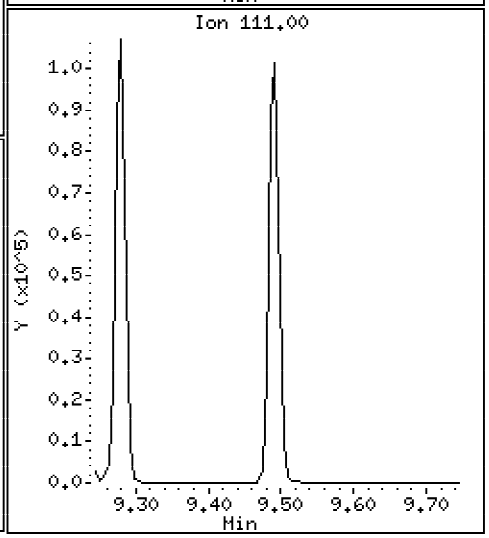


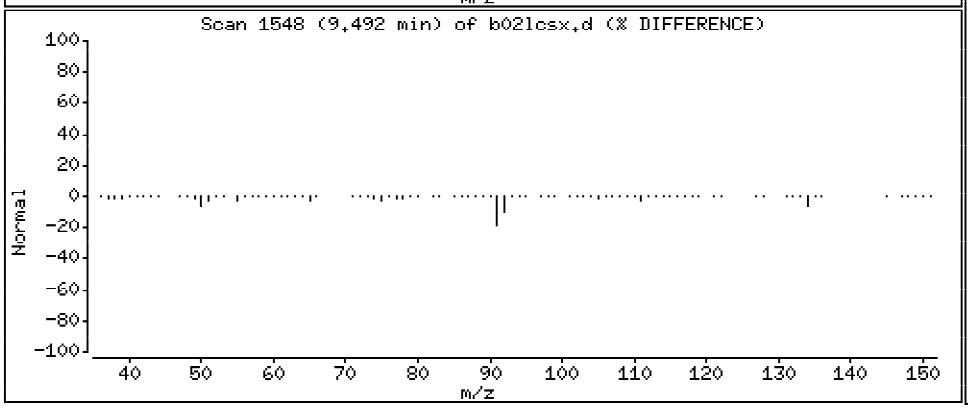












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d Page 90

Date : 15-JAN-2014 12:23

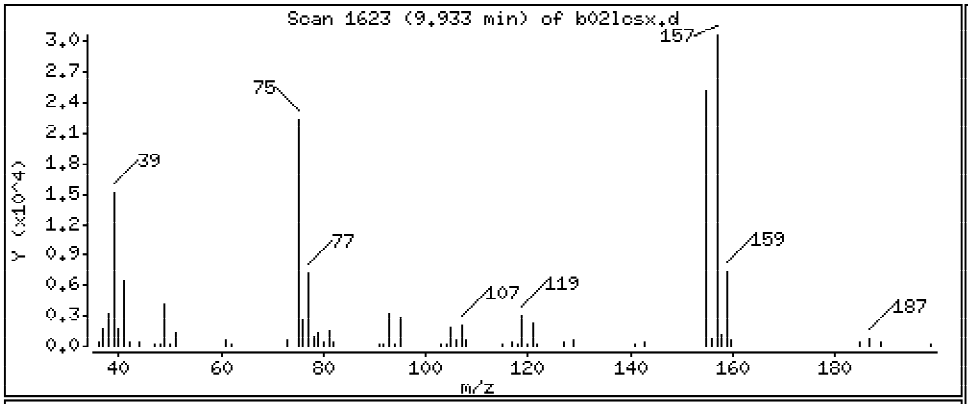
Client ID: 1039438 Instrument: 50mv4b.i

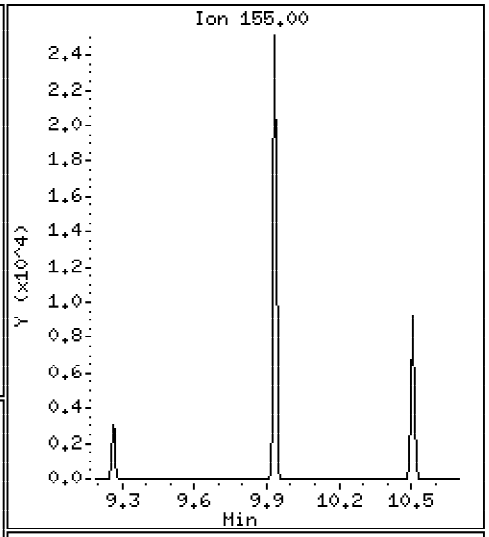
Sample Info: 1039438,59952:5

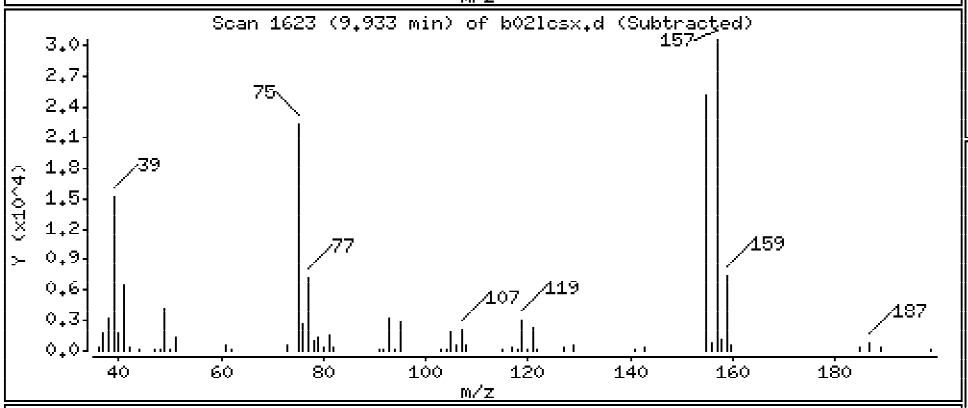
Purge Volume: 5.0 Operator: rsw

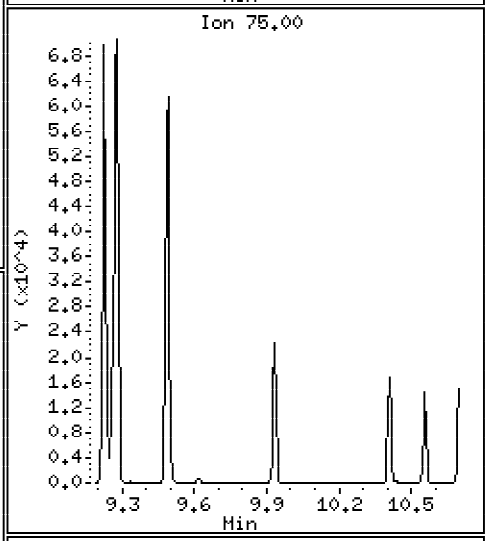
Column phase: DB-624 Column diameter: 0.18

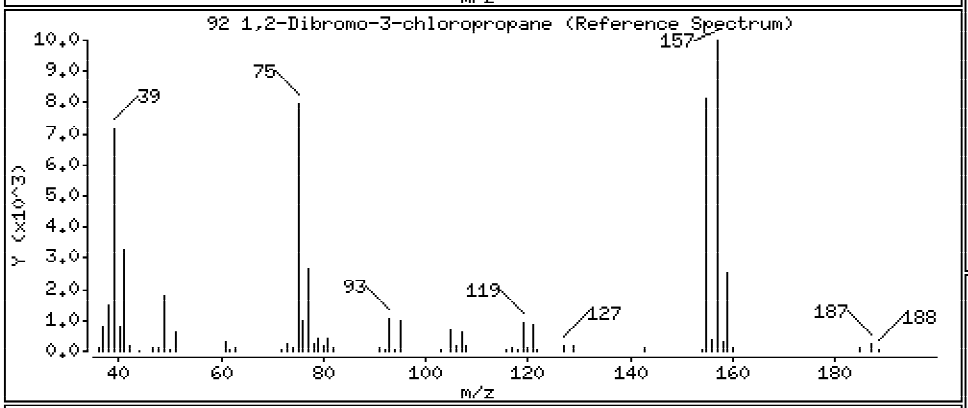
92 1,2-Dibromo-3-chloropropane Concentration: 41.8 ppb

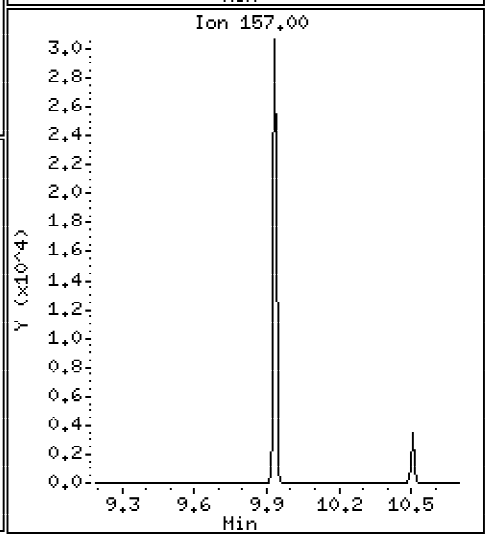


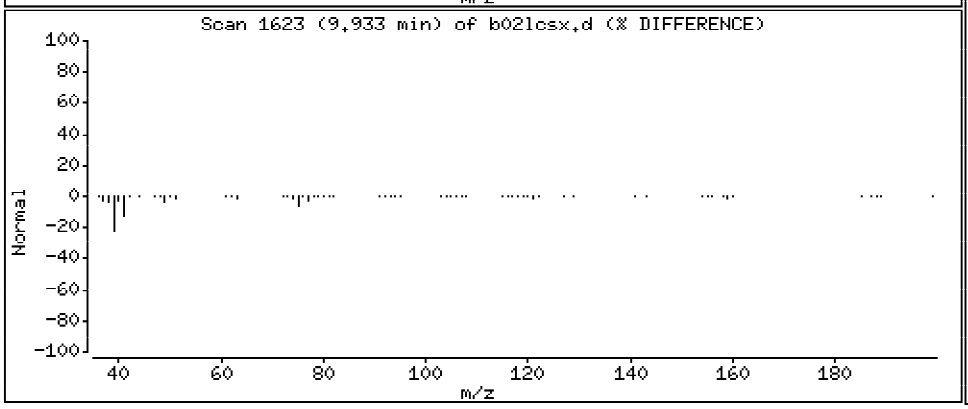












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d Page 91

Date : 15-JAN-2014 12:23

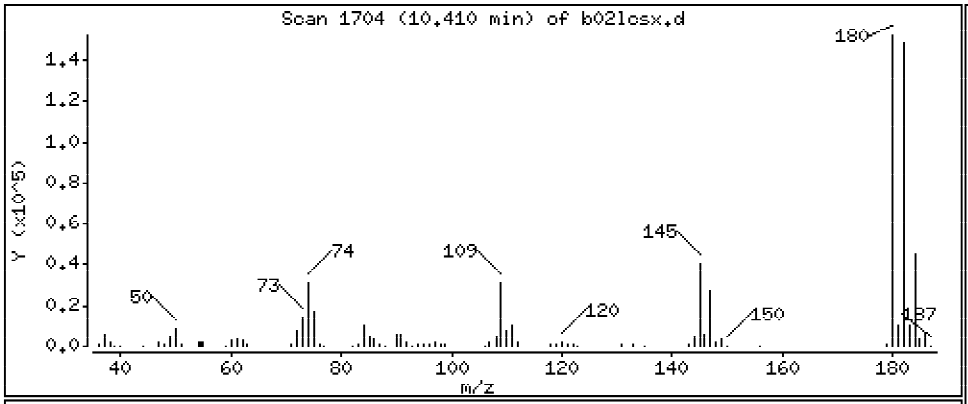
Client ID: 1039438 Instrument: 50mv4b.i

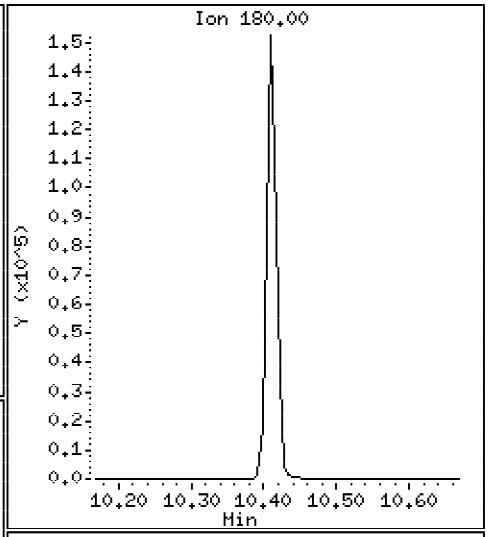
Sample Info: 1039438,59952:5

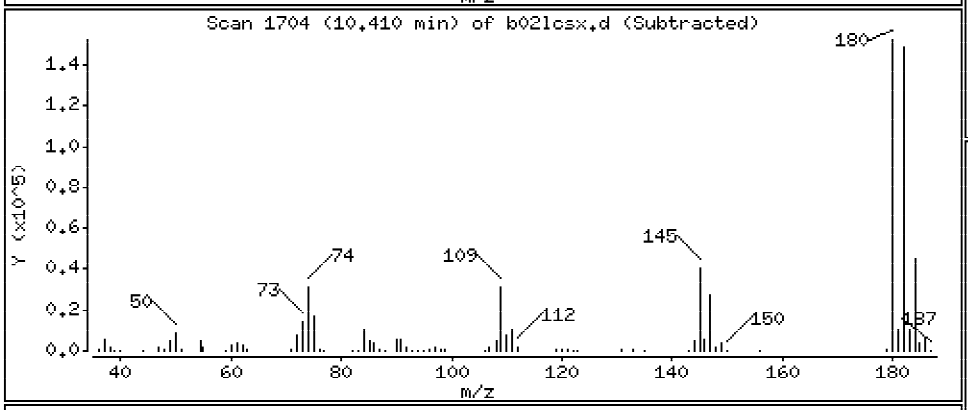
Purge Volume: 5.0 Operator: rsw

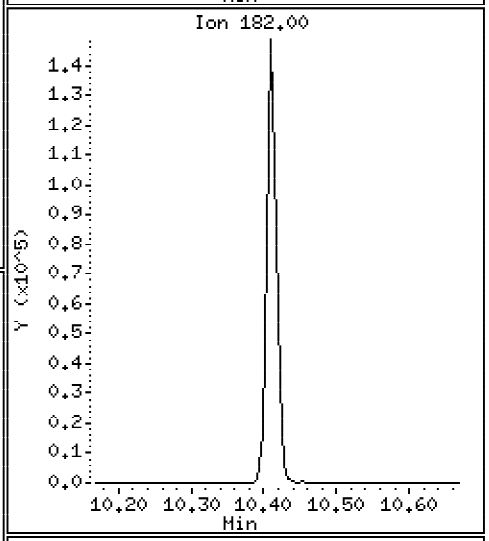
Column phase: DB-624 Column diameter: 0.18

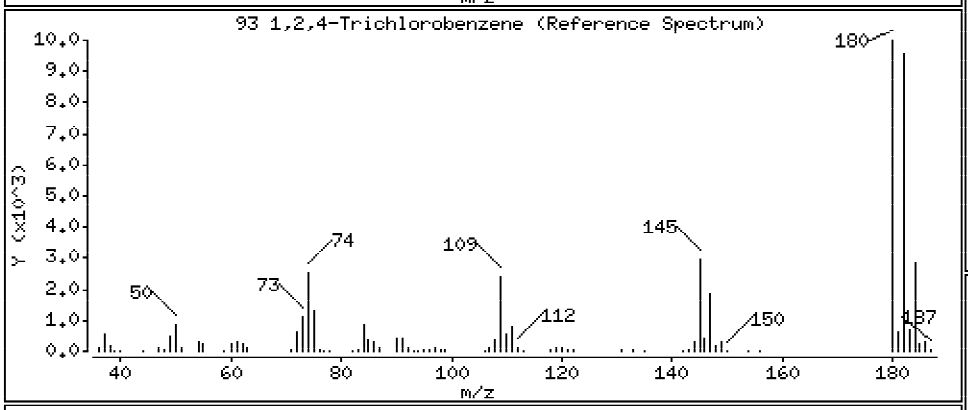
93 1,2,4-Trichlorobenzene Concentration: 44.4 ppb

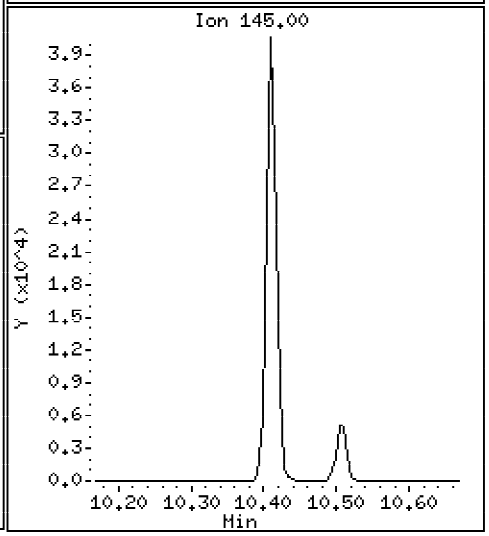


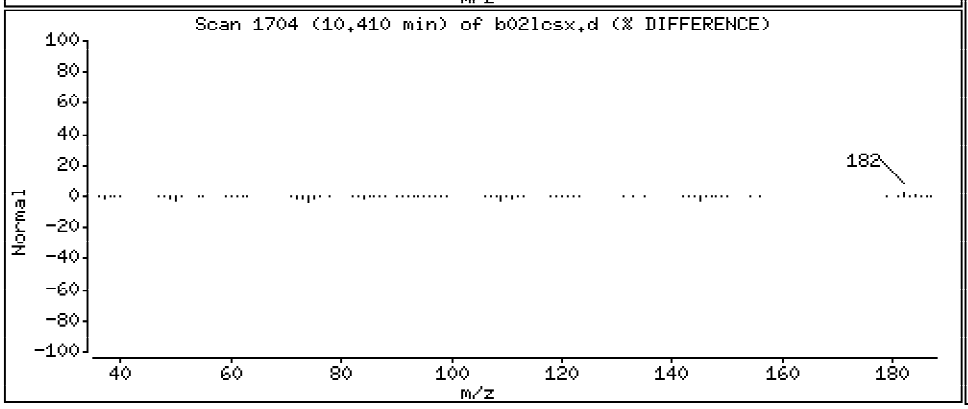












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d Page 92

Date : 15-JAN-2014 12:23

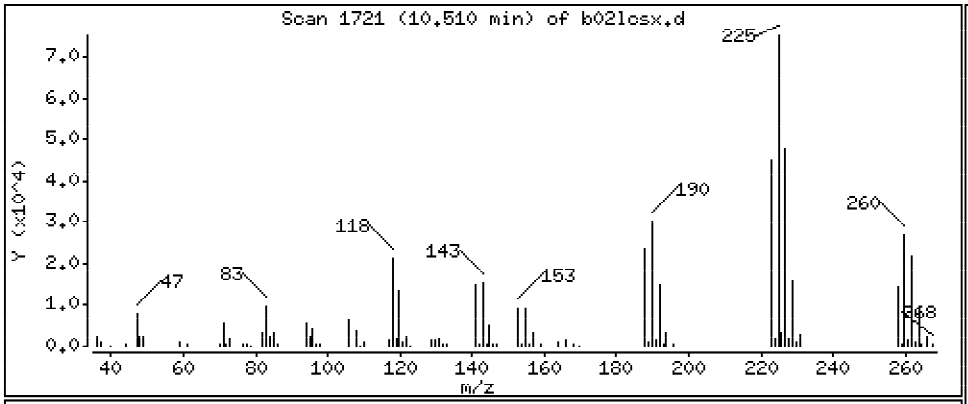
Client ID: 1039438 Instrument: 50mv4b.i

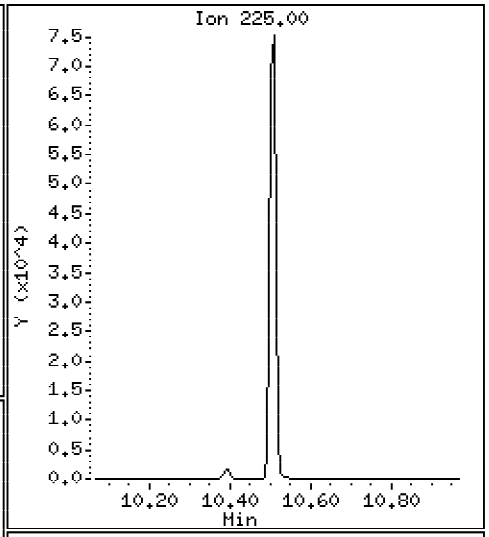
Sample Info: 1039438,59952:5

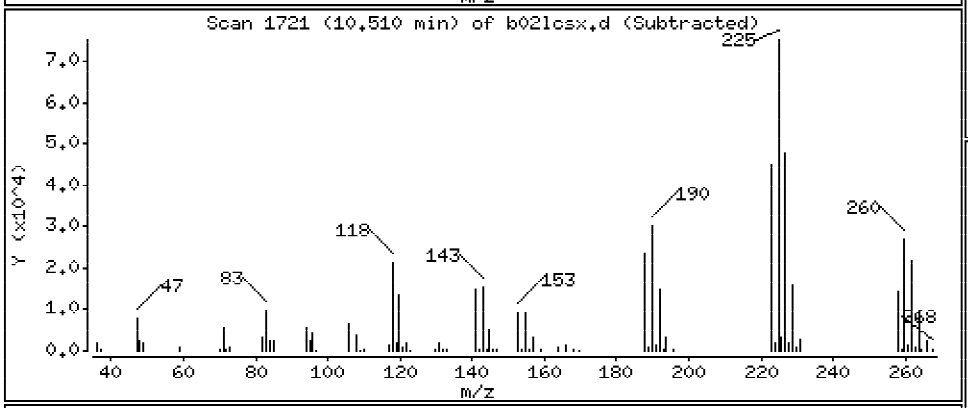
Purge Volume: 5.0 Operator: rsw

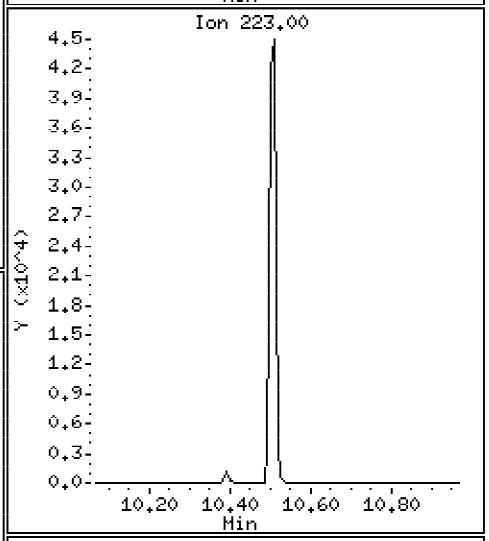
Column phase: DB-624 Column diameter: 0.18

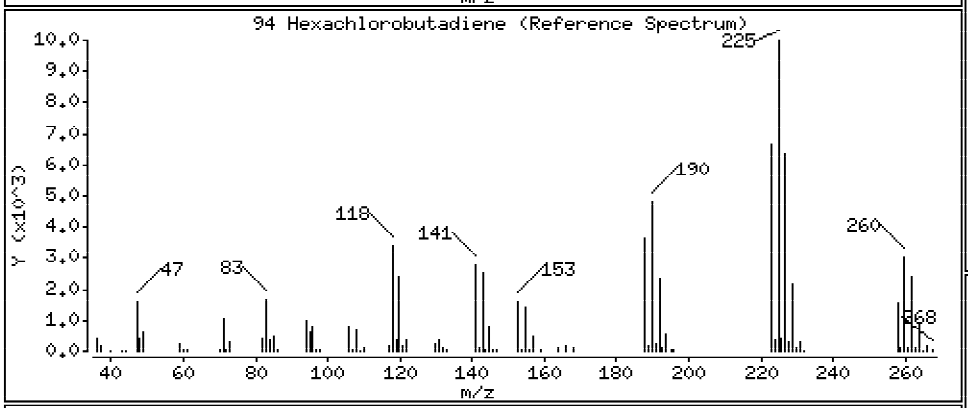
94 Hexachlorobutadiene Concentration: 52.9 ppb

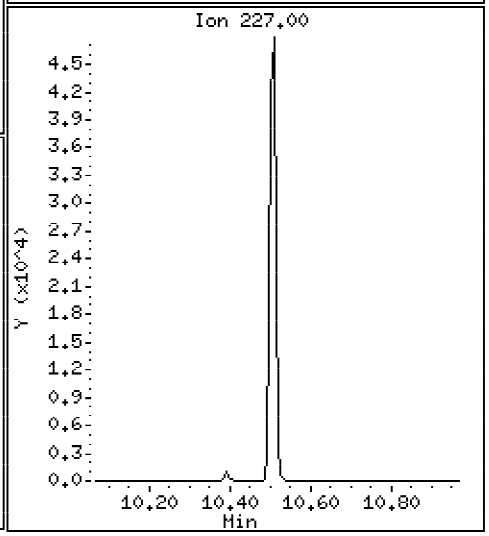


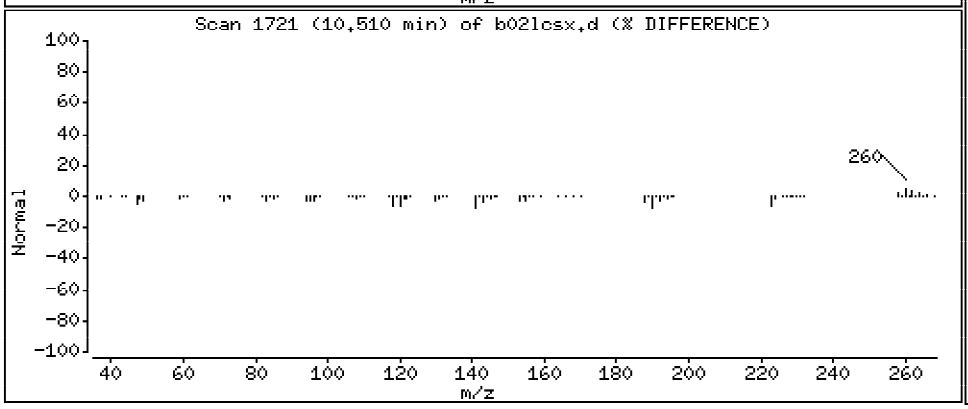












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d Page 93

Date : 15-JAN-2014 12:23

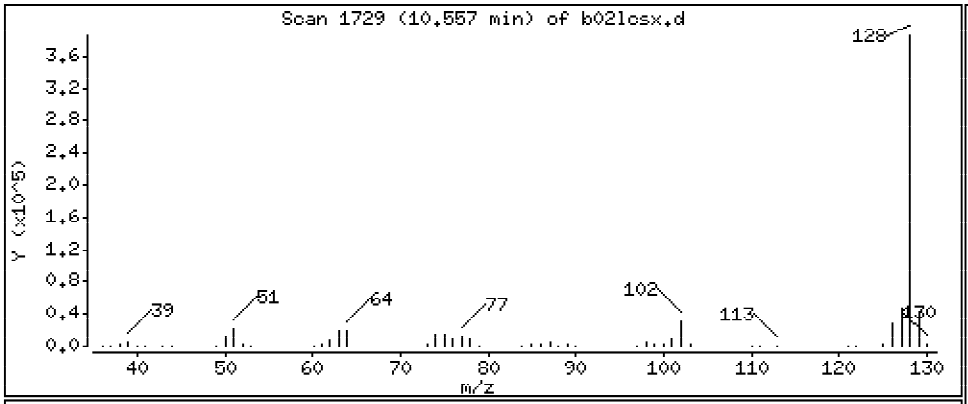
Client ID: 1039438 Instrument: 50mv4b.i

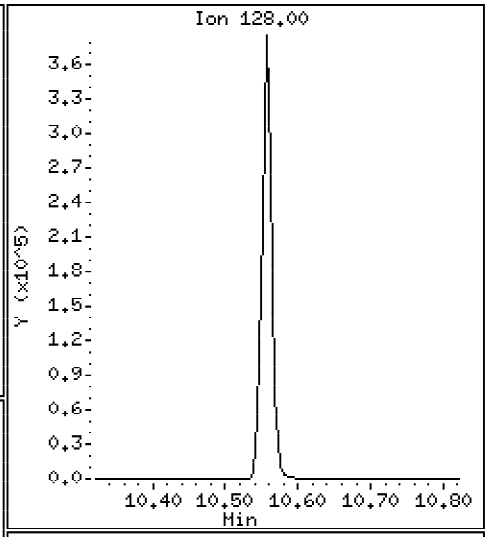
Sample Info: 1039438,59952:5

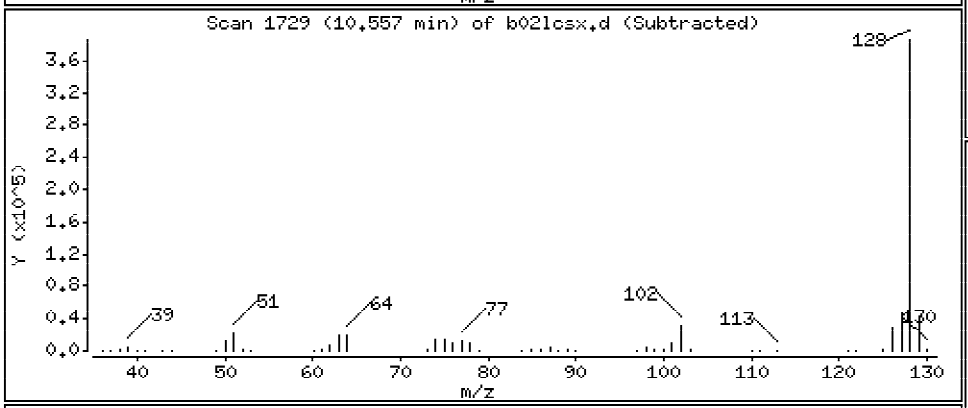
Purge Volume: 5.0 Operator: rsw

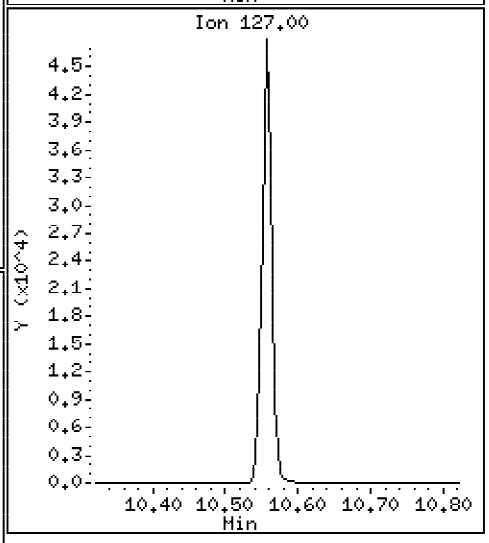
Column phase: DB-624 Column diameter: 0.18

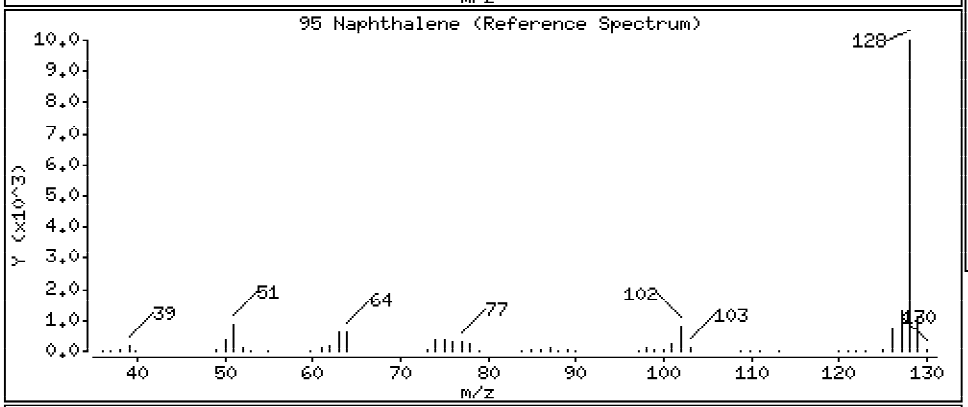
95 Naphthalene Concentration: 46.0 ppb

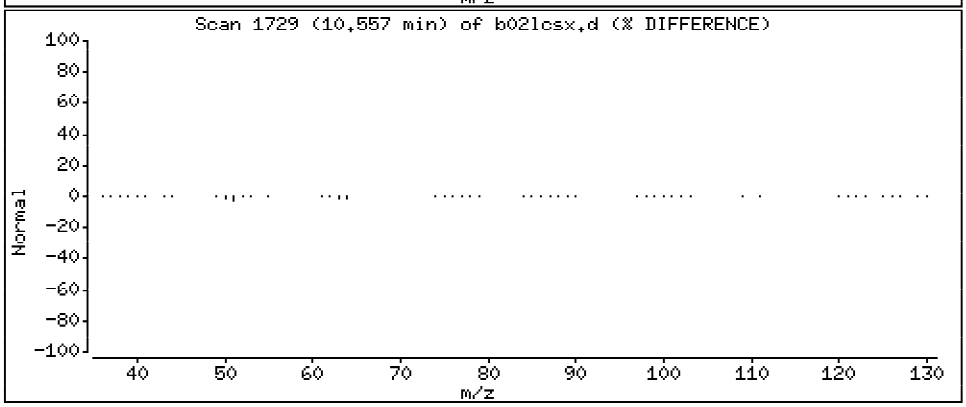












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d Page 94

Date : 15-JAN-2014 12:23

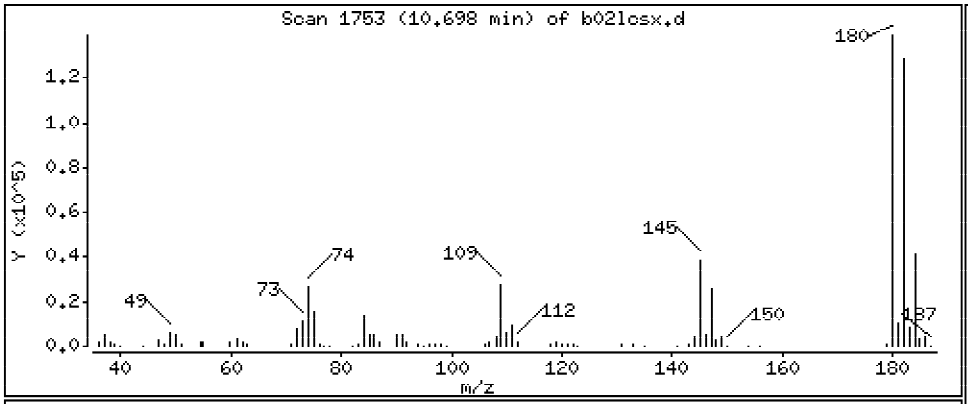
Client ID: 1039438 Instrument: 50mv4b.i

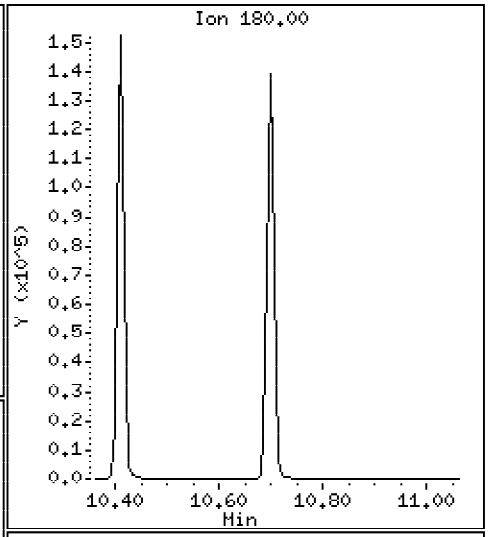
Sample Info: 1039438,59952:5

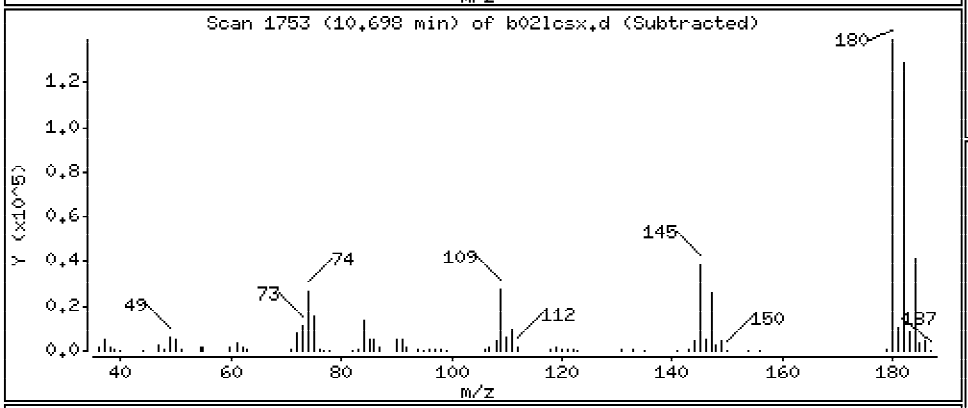
Purge Volume: 5.0 Operator: rsw

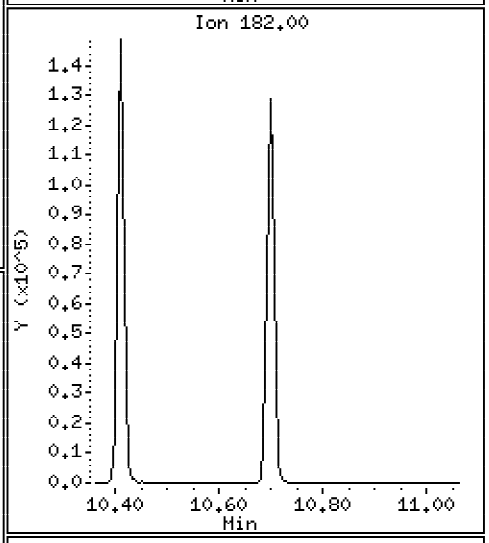
Column phase: DB-624 Column diameter: 0.18

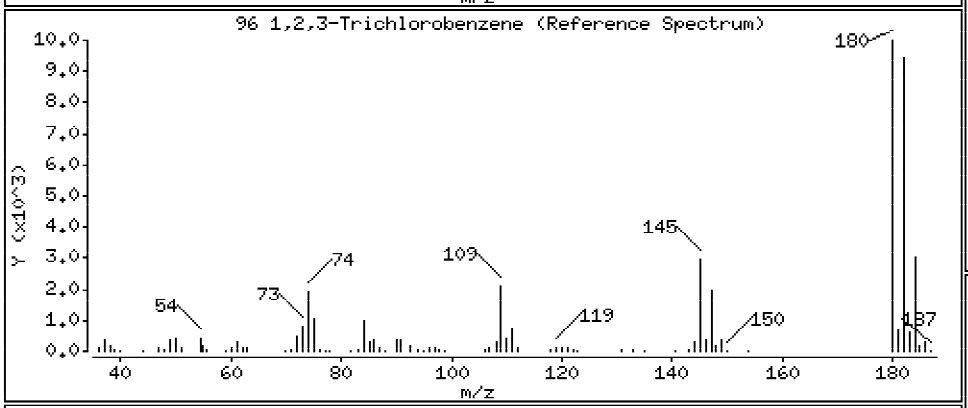
96 1,2,3-Trichlorobenzene Concentration: 45.3 ppb

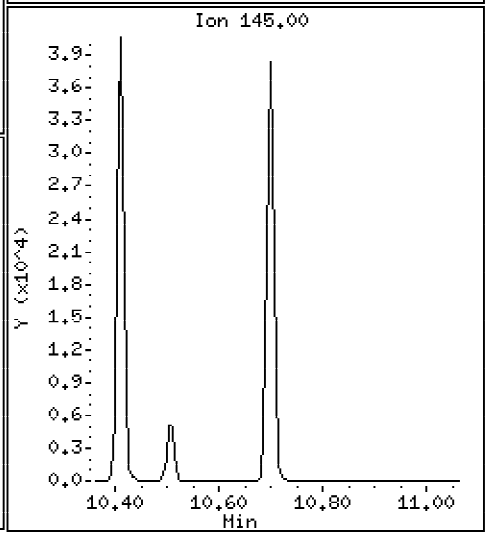


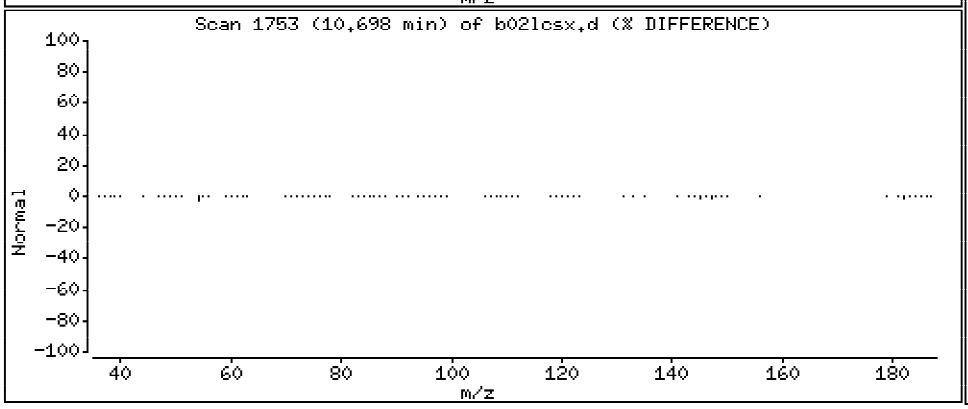












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d Page 95

Date : 15-JAN-2014 12:23

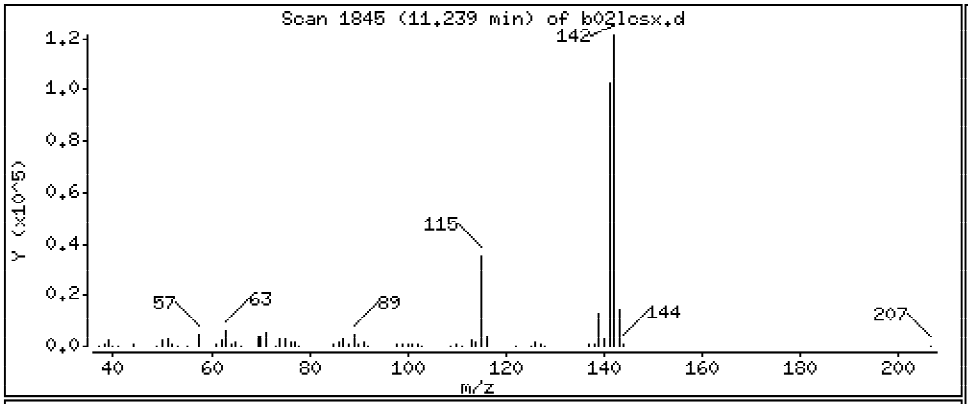
Client ID: 1039438 Instrument: 50mv4b.i

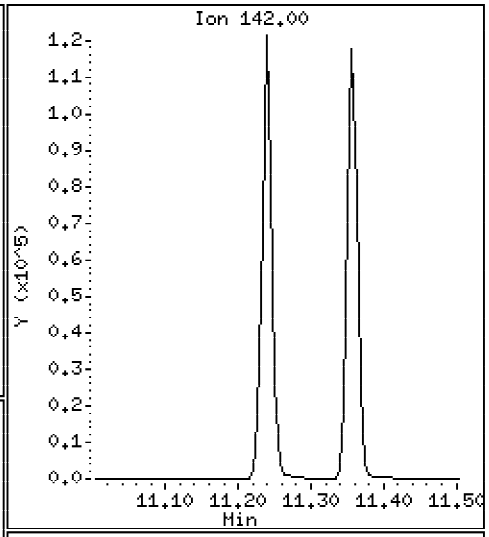
Sample Info: 1039438,59952:5

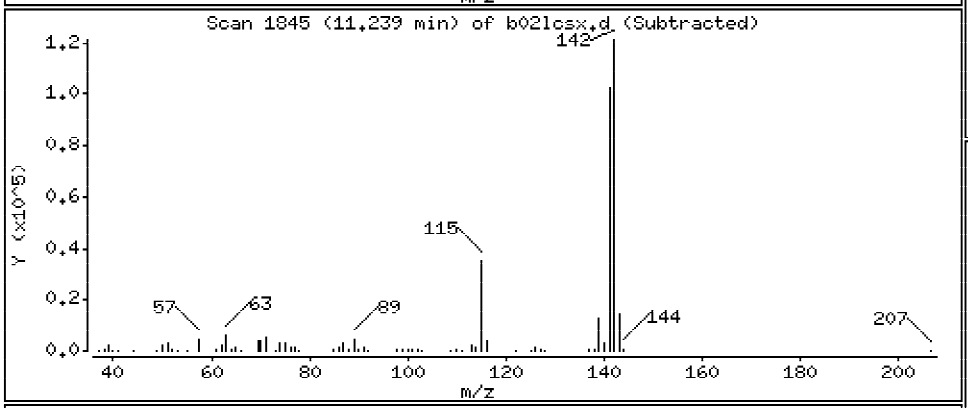
Purge Volume: 5.0 Operator: rsw

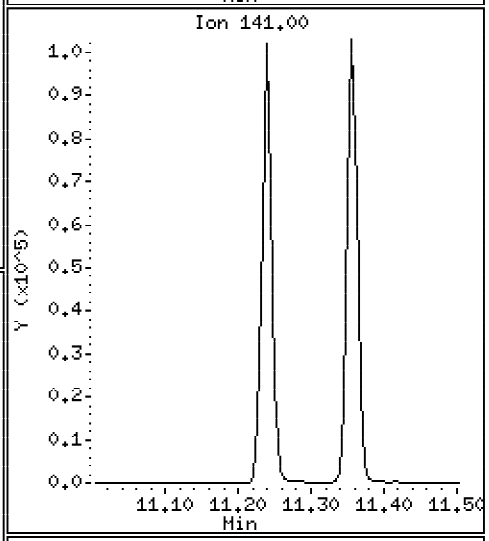
Column phase: DB-624 Column diameter: 0.18

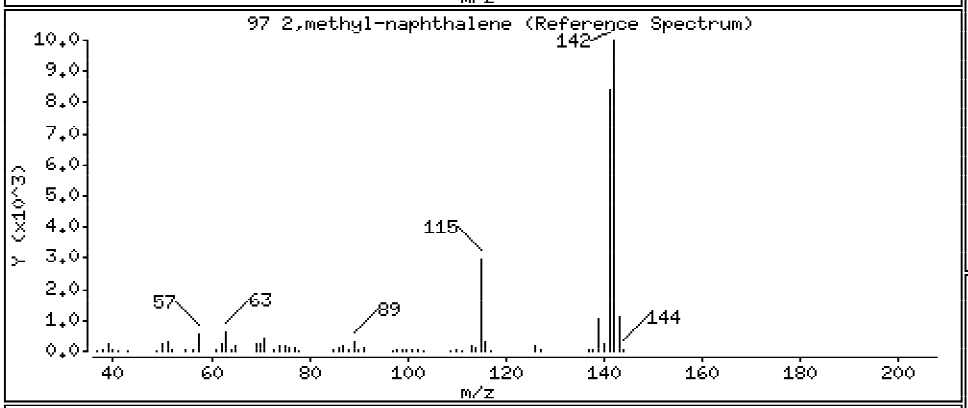
97 2,methyl-naphthalene Concentration: 44.2 ppb

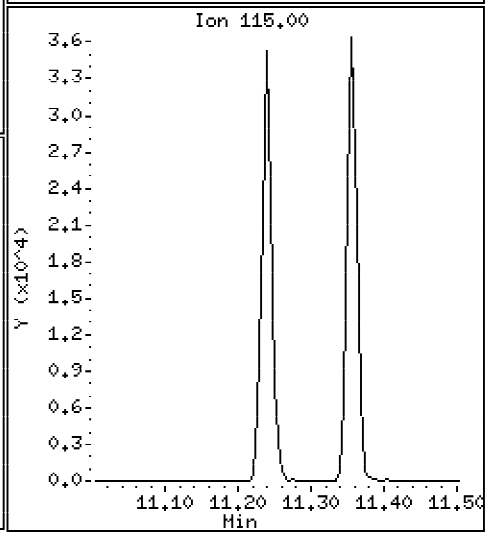


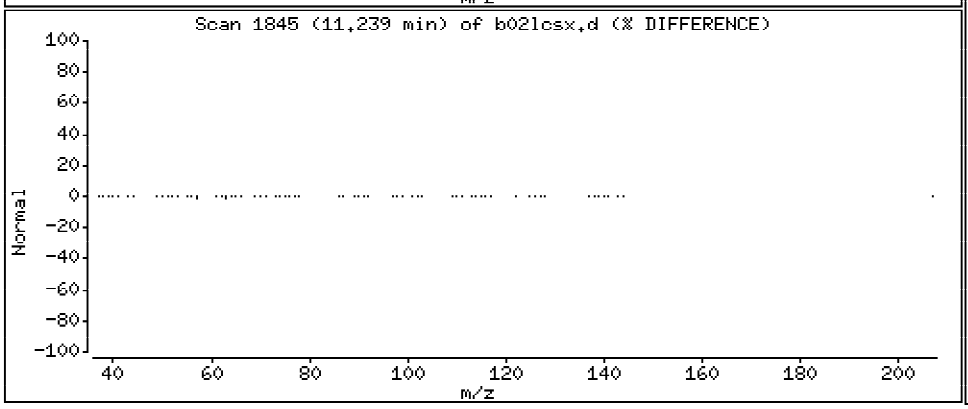












Data File: \\192.168.50.6\chem\50mv4b.i\b011514.b\b02lcsx.d Page 96

Date : 15-JAN-2014 12:23

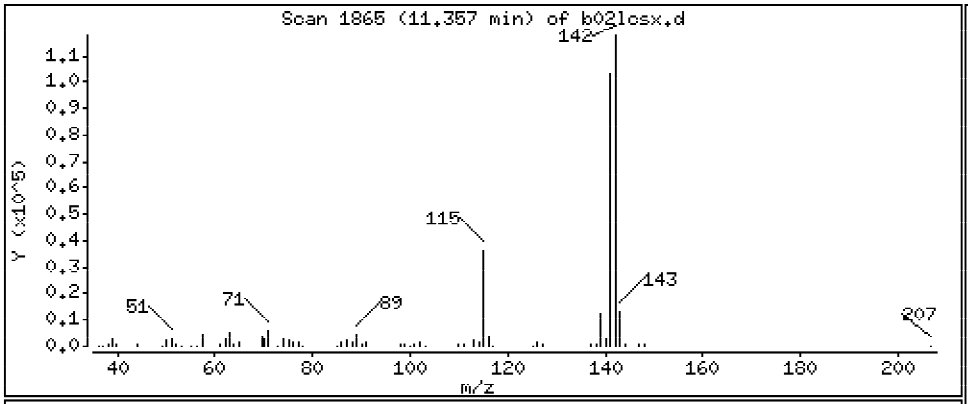
Client ID: 1039438 Instrument: 50mv4b.i

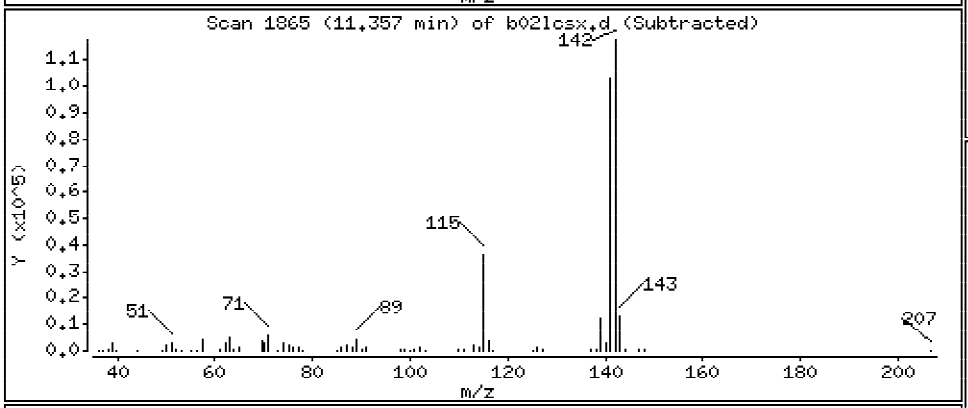
Sample Info: 1039438,59952:5

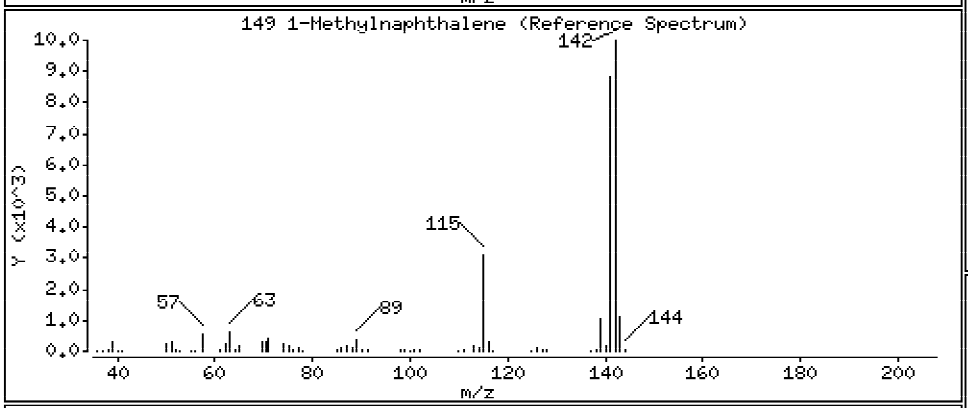
Purge Volume: 5.0 Operator: rsw

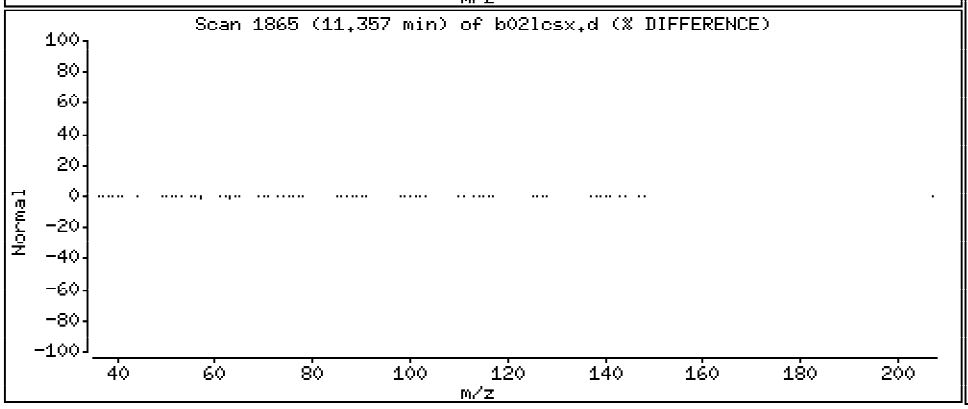
Column phase: DB-624 Column diameter: 0.18

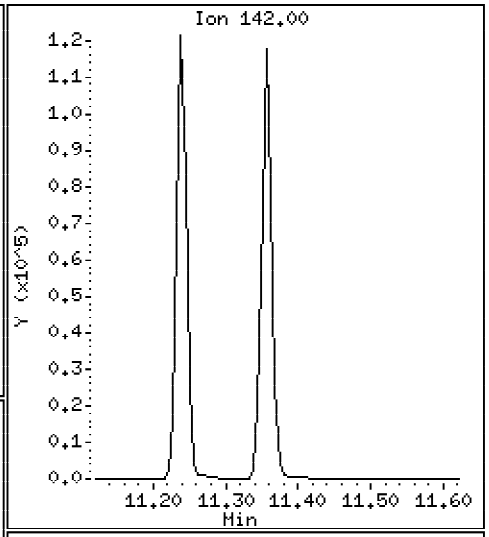
149 1-Methylnaphthalene Concentration: 38.2 ppb

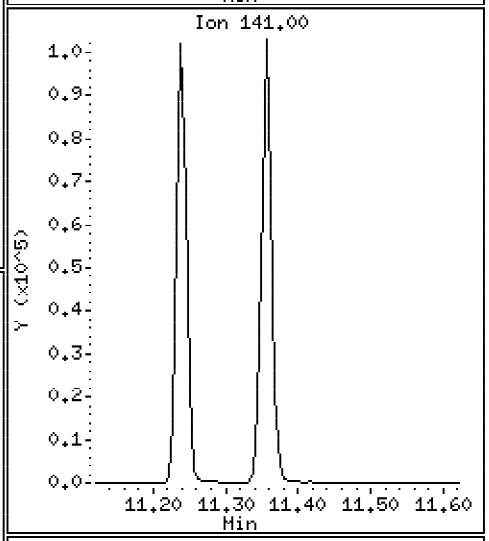


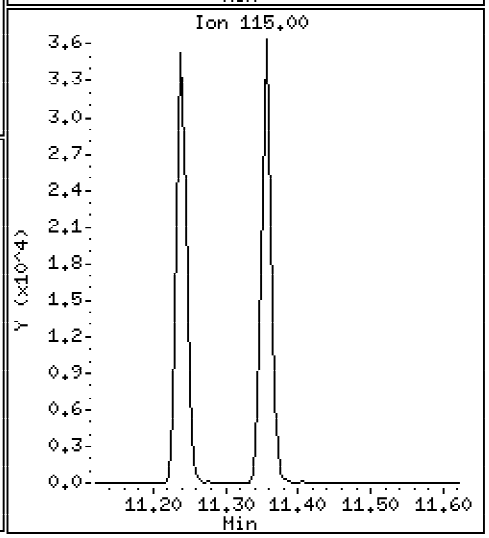












Instrument: 50mv4b.i
Column DB-624 20m X 0.18mm Helium
Misc. Prep Info [L]:
ISTD lot:
Tune std: _____

Method:
Surr. lot: 60082 ~~59562~~:5
Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	pH	Method/Sublist Date	Time	Oper	Comments
1/b00bfb.d	8260-TUNE,60083:	L/60992	BFB	1	7	-bfb/all	1/10/14 15:45	rsw	curve after failing opening QC
1/b01.d	8260-CAL9,59980:	L/60992	CALIB_9	1	<2	-b8260_a_b/all	1/10/14 16:18	rsw	
1/b02.d	8260-CAL1,59981:	L/60992	CALIB_1	1	<2	-b8260_a_b/all	1/10/14 16:50	rsw	
1/b03.d	8260-CAL2,59982:	L/60992	CALIB_2	1	<2	-b8260_a_b/all	1/10/14 17:22	rsw	
1/b03mqc.d	8260-CAL2,59982:	L/60992	MQC	1	<2	-b8260_a_b/all	1/10/14 17:22	rsw	
1/b04.d	8260-CAL3,59983:	L/60992	CALIB_3	1	<2	-b8260_a_b/all	1/10/14 17:54	rsw	
1/b05.d	8260-CAL4,59984:	L/60992	CALIB_4	1	<2	-b8260_a_b/all	1/10/14 18:27	rsw	
1/b05mqc.d	8260-CAL4,59984:	L/60992	MQC	1	<2	-b8260_a_b/all	1/10/14 18:27	rsw	
1/b06.d	8260-CAL5,59985:	L/60992	CALIB_5	1	<2	-b8260_a_b/all	1/10/14 18:59	rsw	
1/b07.d	8260-CAL6,59986:	L/60992	CALIB_6	1	<2	-b8260_a_b/all	1/10/14 19:31	rsw	
1/b08.d	8260-CAL7,59987:	L/60992	CALIB_7	1	<2	-b8260_a_b/all	1/10/14 20:03	rsw	
1/b09.d	8260-CAL8,59988:	L/60992	CALIB_8	1	<2	-b8260_a_b/all	1/10/14 20:36	rsw	
1/b10.d	rinse	L/	SAMPLE	1	<2	-b8260_a_b/all	1/10/14 21:08	rsw	
1/b11icv.d	8260-ICV,59989:0	L/60992	ICV	1	<2	-b8260_a_b/all	1/10/14 21:40	rsw	curve passed full
1/b12.d	rinse	L/	SAMPLE	1	<2	-b8260_a_b/all	1/10/14 22:13	rsw	
1/d00bfb.d	8260-TUNE,60083:	L/60992	BFB	1	7	-bfb/all	1/10/14 22:45	rsw	
1/d01ccv.d	8260-CCV,59999:0	L/60992	CCALIB_6	1	7	-b8260_a_b/all	1/10/14 23:18	rsw	60ppm acid full
1/d02lcs.d	8260-LCS,59952:5	L/	LCS	1	7	-b8260_a_b/all	1/10/14 23:50	rsw	
1/d03.d	rinse	L/	SAMPLE	1	<2	-b8260_a_b/all	1/11/14 00:23	rsw	
1/d04mb.d	BLANK	L/	BLANK	1	7	-b8260_a_b/all	1/11/14 00:55	rsw	
1/d05.d	5092008001	L/60972	SAMPLE	1	<2	-b8260_a_b/all	1/11/14 01:27	rsw	
1/d06.d	5092036001	L/60972	SAMPLE	1	<2	-b8260_a_b/all	1/11/14 02:00	rsw	
1/d07	5092036001x10	L/60972	SAMPLE	10	<2	-b8260_a_b/all	1/11/14 02:32	rsw	Not well mixed
1/d08.d	5092036003	L/60972	SAMPLE	1	<2	-b8260_a_b/all	1/11/14 03:04	rsw	
1/d09.d	5092036002	L/60972	SAMPLE	1	<2	-b8260_a_b/all	1/11/14 03:37	rsw	
1/d10.d	1037519 ,59952:0	L/60972	MS	1	<2	-b8260_a_b/all	1/11/14 04:10	rsw	
1/d11.d	5092038002x50	L/60973	SAMPLE	50	<2	-b8260_a_b/all	1/11/14 04:42	rsw	
1/d12.d	5092038002x1000	L/60973	SAMPLE	1000	<2	-b8260_a_b/all	1/11/14 05:15	rsw	
1/d13.d	5092038004	L/60973	SAMPLE	1	<2	-b8260_a_b/all	1/11/14 05:47	rsw	
1/d14.d	5092038005x10	L/60973	SAMPLE	10	<2	-b8260_a_b/all	1/11/14 06:20	rsw	
1/d15.d	5092038005x100	L/60973	SAMPLE	100	<2	-b8260_a_b/all	1/11/14 06:53	rsw	
1/d16.d	5092038006	L/60973	SAMPLE	1	<2	-b8260_a_b/all	1/11/14 07:26	rsw	
1/d17.d	5092038007	L/60973	SAMPLE	1	<2	-b8260_a_b/all	1/11/14 07:58	rsw	
1/d18.d	5092038008	L/60973	SAMPLE	1	<2	-b8260_a_b/all	1/11/14 08:31	rsw	

Comments: All water samples have a pH below 2 unless otherwise noted.

File Path 1: \\192.168.50.6\chem\50mv4b.i\b011014cal.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 12:16 01/13/2014

RMW 01/11/14

Instrument: 50mv4b.i
Column DB-624 20m X 0.18mm Helium
Misc. Prep Info [L]:
ISTD lot:
Tune std: _____

Method:

Surr. lot: 59562:5
Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	pH	Method/Sublist	Date	Time	Oper	Comments
1/d19.d	5092038011	L/60973	SAMPLE	1	<2	-b8260_a_b/all	1/11/14	09:04	rsw	
1/d20.d	5092038013x20	L/60973	SAMPLE	20	<2	-b8260_a_b/all	1/11/14	09:37	rsw	
1/d21.d	5092038013x200	L/60973	SAMPLE	200	<2	-b8260_a_b/all	1/11/14	10:10	rsw	

Comments: All water samples have a pH below 2 unless otherwise noted.

File Path 1: \\192.168.50.6\chem\50mv4b.i\b011014cal.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 12:16 01/13/2014

rsw 01/11/14

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50mv4b.i
Column DB-624 20m X 0.18mm Helium
Misc. Prep Info [L]:
ISTD lot:
Tune std: _____

Method:

Surr. lot: 60082:5
Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	pH	Method/Sublist	Date	Time	Oper	Comments
1/b00bfb.d	8260-TUNE,60083:	L/60992	BFB	1	7	-bfb/all	1/15/14	11:16	rsw	
1/b01ccv.d	8260-CCV,60231:0	L/60992	CCALIB_6	1	7	-b8260_a_b/all	1/15/14	11:50	rsw	all QC pass full
1/b01ccv524.d	8260-CCV,60231:0	L/60992	CCV	1	<2	-b8260_a_b/all	1/15/14	11:50	rsw	all QC pass short voc
1/b02lcs.d	8260-LCS,59952:5	L/	LCS	1	7	-b8260_a_b/all	1/15/14	12:23	rsw	
1/b02lcs524.d	8260-LCS,59952:5	L/	LCS	1	7	-b8260_a_b/all	1/15/14	12:23	rsw	
1/b03.d	rinse	L/	SAMPLE	1	<2	-b8260_a_b/all	1/15/14	12:57	rsw	
1/b04mb.d	BLANK	L/	BLANK	1	7	-b8260_a_b/all	1/15/14	13:30	rsw	
1/b05.d	5092232003 MW	L/61040	SAMPLE	1	<2	-b8260_a_b/all	1/15/14	14:15	rsw	
1/b06.d	5092229004 W	L/61024	SAMPLE	1	<2	-b8260_a_b/all	1/15/14	14:49	rsw	wrong sample?
1/b07.d	5092232002x10 MW	L/61040	SAMPLE	10	<2	-b8260_a_b/all	1/15/14	15:23	rsw	
1/b08.d	5092232005x10	L/61040	SAMPLE	10	<2	-b8260_a_b/all	1/15/14	15:56	rsw	
1/b09.d	5092227015x10	L/61040	SAMPLE	10	<2	-b8260_a_b/all	1/15/14	16:30	rsw	
1/b10.d	5092282003 MW	L/61068	SAMPLE	1	<2	-b8260_a_b/all	1/15/14	17:03	rsw	
1/b11.d	5092282001 W	L/61069	SAMPLE	1	<2	-b8260_a_b/all	1/15/14	17:37	rsw	
1/b12.d	5092282002	L/61069	SAMPLE	1	<2	-b8260_a_b/all	1/15/14	18:11	rsw	
1/b13.d	5092300001	L/61069	SAMPLE	1	<2	-b8260_a_b/all	1/15/14	18:44	rsw	
1/b14.d	5092300002	L/61069	SAMPLE	1	<2	-b8260_a_b/all	1/15/14	19:18	rsw	
1/b15.d	5092329008	L/61069	SAMPLE	1	<2	-b8260_a_b/all	1/15/14	19:52	rsw	pHT2
1/b16.d	5092337003	L/61069	SAMPLE	1	<2	-b8260_a_b/all	1/15/14	20:25	rsw	
1/b17.d	1039439,59952:5	L/61069	MS	1	<2	-b8260_a_b/all	1/15/14	20:58	rsw	
1/b18.d	1039440,59952:5	L/61069	MSD	1	<2	-b8260_a_b/all	1/15/14	21:32	rsw	
1/b19.d	5092337004	L/61069	SAMPLE	1	<2	-b8260_a_b/all	1/15/14	22:05	rsw	
1/b20.d	5092274001 WST	L/61070	SAMPLE	1	<2	-b8260_a_b/ust	1/15/14	22:39	rsw	
1/b21.d	5092274001x10	L/61070	SAMPLE	10	<2	-b8260_a_b/ust	1/15/14	23:12	rsw	
1/d00bfb.d	8260-TUNE,60083:	L/60991	BFB	1	7	-bfb/all	1/15/14	23:46	rsw	
1/d01ccv.d	8260-CCV,60231:0	L/60992	CCALIB_6	1	7	-b8260_a_b/all	1/16/14	00:20	rsw	all pass full
1/d02lcs.d	8260-LCS,59952:5	L/	LCS	1	7	-b8260_a_b/all	1/16/14	00:53	rsw	
1/d03.d	rinse	L/	SAMPLE	1	<2	-b8260_a_b/all	1/16/14	01:27	rsw	
1/d04mb.d	BLANK	L/	BLANK	1	7	-b8260_a_b/all	1/16/14	02:00	rsw	
1/d05.d	5092246001 WT	L/61071	SAMPLE	1	<2	-b8260_a_b/ust	1/16/14	02:34	rsw	
1/d06.d	5092353010	L/61071	SAMPLE	1	<2	-b8260_a_b/ust	1/16/14	03:07	rsw	
1/d07.d	5092353001x100	L/61071	SAMPLE	100	<2	-b8260_a_b/ust	1/16/14	03:41	rsw	
1/d08.d	5092353004x100	L/61071	SAMPLE	100	<2	-b8260_a_b/ust	1/16/14	04:15	rsw	
1/d09.d	5092353007x100	L/61071	SAMPLE	100	<2	-b8260_a_b/ust	1/16/14	04:48	rsw	

Comments: All water samples have a pH below 2 unless otherwise noted.

File Path 1: \\192.168.50.6\chem\50mv4b.i\b011514.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 12:12 01/16/2014

Page: 1

RMW 01/16/14

Pace Analytical Services, Inc.

Instrument: 50mv4b.i
Column DB-624 20m X 0.18mm Helium
Misc. Prep Info [L]:
ISTD lot:
Tune std: _____

Method:

Surr. lot: 60082:5
Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	pH	Method/Sublist	Date	Time	Oper	Comments
1/d10.d	5092287001	L/61071	SAMPLE	1	<2	-b8260_a_b/ust	1/16/14	05:22	rsw	
1/d11.d	5092287002	L/61071	SAMPLE	1	<2	-b8260_a_b/ust	1/16/14	05:56	rsw	

Comments: All water samples have a pH below 2 unless otherwise noted.

File Path 1: \\192.168.50.6\chem\50mv4b.i\b011514.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 12:12 01/16/2014

Page: 2

RW 01/16/14

Pace Analytical Services, Inc.
1233 Dublin Road
Columbus, OH 43215
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

January 28, 2014

Ms. Susan Scrocchi
Conestoga-Rovers and Associates
2055 Niagara Falls Blvd
Suite 2
Niagara Falls, NY 14304

RE: Project: E027035 / Allison Trans
Pace Project No.: 5092626

Dear Ms. Scrocchi:
Enclosed are the analytical results for sample(s) received by the laboratory on January 22, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Donna S. Spyker

Donna Spyker
donna.spyker@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.
1233 Dublin Road
Columbus, OH 43215
(614)486-5421

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7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

CERTIFICATIONS

Project: E027035 / Allison Trans
Pace Project No.: 5092626

Indiana Certification IDs
7726 Moller Road, Indianapolis, IN 46268
Illinois Certification #: 200074
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky UST Certification #: 0042
Louisiana/NELAP Certification #: 04076
Ohio VAP Certification #: CL-0065
Pennsylvania Certification #: 68-04991
West Virginia Certification #: 330

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.
1233 Dublin Road
Columbus, OH 43215
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Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: E027035 / Allison Trans
Pace Project No.: 5092626

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5092626001	Trip Blank	Water	01/22/14 08:00	01/22/14 14:11
5092626002	RW-1301-S2(012214)	Water	01/22/14 13:30	01/22/14 14:11

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Columbus, OH 43215
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Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: E027035 / Allison Trans
Pace Project No.: 5092626

Lab ID	Sample ID	Method	Analysts	Analytes Reported
5092626001	Trip Blank	EPA 8260	DAE	51
5092626002	RW-1301-S2(012214)	EPA 8260	DAE	51

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: E027035 / Allison Trans
Pace Project No.: 5092626

Sample: Trip Blank **Lab ID: 5092626001** Collected: 01/22/14 08:00 Received: 01/22/14 14:11 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		01/23/14 16:23	67-64-1	
Benzene	ND	ug/L	5.0	1		01/23/14 16:23	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		01/23/14 16:23	75-27-4	
Bromoform	ND	ug/L	5.0	1		01/23/14 16:23	75-25-2	
Bromomethane	ND	ug/L	5.0	1		01/23/14 16:23	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		01/23/14 16:23	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		01/23/14 16:23	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		01/23/14 16:23	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		01/23/14 16:23	108-90-7	
Chloroethane	ND	ug/L	5.0	1		01/23/14 16:23	75-00-3	
Chloroform	ND	ug/L	5.0	1		01/23/14 16:23	67-66-3	
Chloromethane	ND	ug/L	5.0	1		01/23/14 16:23	74-87-3	
Cyclohexane	ND	ug/L	100	1		01/23/14 16:23	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		01/23/14 16:23	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		01/23/14 16:23	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		01/23/14 16:23	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		01/23/14 16:23	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		01/23/14 16:23	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		01/23/14 16:23	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		01/23/14 16:23	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		01/23/14 16:23	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		01/23/14 16:23	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		01/23/14 16:23	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		01/23/14 16:23	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		01/23/14 16:23	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		01/23/14 16:23	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		01/23/14 16:23	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		01/23/14 16:23	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		01/23/14 16:23	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		01/23/14 16:23	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		01/23/14 16:23	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		01/23/14 16:23	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		01/23/14 16:23	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		01/23/14 16:23	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		01/23/14 16:23	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		01/23/14 16:23	1634-04-4	
Styrene	ND	ug/L	5.0	1		01/23/14 16:23	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		01/23/14 16:23	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		01/23/14 16:23	127-18-4	
Toluene	ND	ug/L	5.0	1		01/23/14 16:23	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		01/23/14 16:23	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		01/23/14 16:23	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		01/23/14 16:23	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		01/23/14 16:23	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		01/23/14 16:23	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		01/23/14 16:23	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		01/23/14 16:23	75-01-4	

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7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: E027035 / Allison Trans
Pace Project No.: 5092626

Sample: Trip Blank **Lab ID: 5092626001** Collected: 01/22/14 08:00 Received: 01/22/14 14:11 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		01/23/14 16:23	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	94	%.	79-116	1		01/23/14 16:23	1868-53-7	
4-Bromofluorobenzene (S)	94	%.	80-114	1		01/23/14 16:23	460-00-4	
Toluene-d8 (S)	97	%.	81-110	1		01/23/14 16:23	2037-26-5	

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ANALYTICAL RESULTS

Project: E027035 / Allison Trans
Pace Project No.: 5092626

Sample: RW-1301-S2(012214) **Lab ID: 5092626002** Collected: 01/22/14 13:30 Received: 01/22/14 14:11 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		01/23/14 16:57	67-64-1	
Benzene	ND	ug/L	5.0	1		01/23/14 16:57	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		01/23/14 16:57	75-27-4	
Bromoform	ND	ug/L	5.0	1		01/23/14 16:57	75-25-2	
Bromomethane	ND	ug/L	5.0	1		01/23/14 16:57	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		01/23/14 16:57	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		01/23/14 16:57	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		01/23/14 16:57	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		01/23/14 16:57	108-90-7	
Chloroethane	ND	ug/L	5.0	1		01/23/14 16:57	75-00-3	
Chloroform	ND	ug/L	5.0	1		01/23/14 16:57	67-66-3	
Chloromethane	ND	ug/L	5.0	1		01/23/14 16:57	74-87-3	
Cyclohexane	ND	ug/L	100	1		01/23/14 16:57	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		01/23/14 16:57	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		01/23/14 16:57	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		01/23/14 16:57	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		01/23/14 16:57	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		01/23/14 16:57	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		01/23/14 16:57	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		01/23/14 16:57	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		01/23/14 16:57	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		01/23/14 16:57	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		01/23/14 16:57	75-35-4	
cis-1,2-Dichloroethene	**5.2**	ug/L	5.0	1		01/23/14 16:57	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		01/23/14 16:57	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		01/23/14 16:57	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		01/23/14 16:57	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		01/23/14 16:57	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		01/23/14 16:57	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		01/23/14 16:57	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		01/23/14 16:57	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		01/23/14 16:57	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		01/23/14 16:57	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		01/23/14 16:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		01/23/14 16:57	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		01/23/14 16:57	1634-04-4	
Styrene	ND	ug/L	5.0	1		01/23/14 16:57	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		01/23/14 16:57	79-34-5	
Tetrachloroethene	**25.3**	ug/L	5.0	1		01/23/14 16:57	127-18-4	
Toluene	ND	ug/L	5.0	1		01/23/14 16:57	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		01/23/14 16:57	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		01/23/14 16:57	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		01/23/14 16:57	79-00-5	
Trichloroethene	**7.4**	ug/L	5.0	1		01/23/14 16:57	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		01/23/14 16:57	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		01/23/14 16:57	76-13-1	
Vinyl chloride	**3.3**	ug/L	2.0	1		01/23/14 16:57	75-01-4	

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ANALYTICAL RESULTS

Project: E027035 / Allison Trans
Pace Project No.: 5092626

Sample: RW-1301-S2(012214) **Lab ID: 5092626002** Collected: 01/22/14 13:30 Received: 01/22/14 14:11 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		01/23/14 16:57	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	91	%.	79-116	1		01/23/14 16:57	1868-53-7	
4-Bromofluorobenzene (S)	93	%.	80-114	1		01/23/14 16:57	460-00-4	
Toluene-d8 (S)	98	%.	81-110	1		01/23/14 16:57	2037-26-5	

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QUALITY CONTROL DATA

Project: E027035 / Allison Trans
Pace Project No.: 5092626

QC Batch: MSV/61272 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 5092626001, 5092626002

METHOD BLANK: 1042185 Matrix: Water
Associated Lab Samples: 5092626001, 5092626002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	01/23/14 15:14	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	01/23/14 15:14	
1,1,2-Trichloroethane	ug/L	ND	5.0	01/23/14 15:14	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	5.0	01/23/14 15:14	
1,1-Dichloroethane	ug/L	ND	5.0	01/23/14 15:14	
1,1-Dichloroethene	ug/L	ND	5.0	01/23/14 15:14	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	01/23/14 15:14	
1,2-Dibromo-3-chloropropane	ug/L	ND	10.0	01/23/14 15:14	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	01/23/14 15:14	
1,2-Dichlorobenzene	ug/L	ND	5.0	01/23/14 15:14	
1,2-Dichloroethane	ug/L	ND	5.0	01/23/14 15:14	
1,2-Dichloropropane	ug/L	ND	5.0	01/23/14 15:14	
1,3-Dichlorobenzene	ug/L	ND	5.0	01/23/14 15:14	
1,4-Dichlorobenzene	ug/L	ND	5.0	01/23/14 15:14	
2-Butanone (MEK)	ug/L	ND	25.0	01/23/14 15:14	
2-Hexanone	ug/L	ND	25.0	01/23/14 15:14	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	01/23/14 15:14	
Acetone	ug/L	ND	100	01/23/14 15:14	
Benzene	ug/L	ND	5.0	01/23/14 15:14	
Bromodichloromethane	ug/L	ND	5.0	01/23/14 15:14	
Bromoform	ug/L	ND	5.0	01/23/14 15:14	
Bromomethane	ug/L	ND	5.0	01/23/14 15:14	
Carbon disulfide	ug/L	ND	10.0	01/23/14 15:14	
Carbon tetrachloride	ug/L	ND	5.0	01/23/14 15:14	
Chlorobenzene	ug/L	ND	5.0	01/23/14 15:14	
Chloroethane	ug/L	ND	5.0	01/23/14 15:14	
Chloroform	ug/L	ND	5.0	01/23/14 15:14	
Chloromethane	ug/L	ND	5.0	01/23/14 15:14	
cis-1,2-Dichloroethene	ug/L	ND	5.0	01/23/14 15:14	
cis-1,3-Dichloropropene	ug/L	ND	5.0	01/23/14 15:14	
Cyclohexane	ug/L	ND	100	01/23/14 15:14	N2
Dibromochloromethane	ug/L	ND	5.0	01/23/14 15:14	
Dichlorodifluoromethane	ug/L	ND	5.0	01/23/14 15:14	
Ethylbenzene	ug/L	ND	5.0	01/23/14 15:14	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	01/23/14 15:14	
Methyl acetate	ug/L	ND	50.0	01/23/14 15:14	N2
Methyl-tert-butyl ether	ug/L	ND	4.0	01/23/14 15:14	
Methylcyclohexane	ug/L	ND	50.0	01/23/14 15:14	N2
Methylene Chloride	ug/L	ND	5.0	01/23/14 15:14	
Styrene	ug/L	ND	5.0	01/23/14 15:14	
Tetrachloroethene	ug/L	ND	5.0	01/23/14 15:14	
Toluene	ug/L	ND	5.0	01/23/14 15:14	
trans-1,2-Dichloroethene	ug/L	ND	5.0	01/23/14 15:14	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: E027035 / Allison Trans
Pace Project No.: 5092626

METHOD BLANK: 1042185 Matrix: Water
Associated Lab Samples: 5092626001, 5092626002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
trans-1,3-Dichloropropene	ug/L	ND	5.0	01/23/14 15:14	
Trichloroethene	ug/L	ND	5.0	01/23/14 15:14	
Trichlorofluoromethane	ug/L	ND	5.0	01/23/14 15:14	
Vinyl chloride	ug/L	ND	2.0	01/23/14 15:14	
Xylene (Total)	ug/L	ND	10.0	01/23/14 15:14	
4-Bromofluorobenzene (S)	%.	94	80-114	01/23/14 15:14	
Dibromofluoromethane (S)	%.	94	79-116	01/23/14 15:14	
Toluene-d8 (S)	%.	98	81-110	01/23/14 15:14	

LABORATORY CONTROL SAMPLE: 1042186

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	40.7	81	71-129	
1,1,2,2-Tetrachloroethane	ug/L	50	48.6	97	66-126	
1,1,2-Trichloroethane	ug/L	50	45.9	92	77-130	
1,1,2-Trichlorotrifluoroethane	ug/L	50	48.5	97	68-139	
1,1-Dichloroethane	ug/L	50	41.1	82	75-130	
1,1-Dichloroethene	ug/L	50	40.4	81	68-127	
1,2,4-Trichlorobenzene	ug/L	50	39.6	79	68-131	
1,2-Dibromo-3-chloropropane	ug/L	50	41.5	83	64-124	
1,2-Dibromoethane (EDB)	ug/L	50	47.6	95	76-125	
1,2-Dichlorobenzene	ug/L	50	45.7	91	75-123	
1,2-Dichloroethane	ug/L	50	44.7	89	75-128	
1,2-Dichloropropane	ug/L	50	38.8	78	74-121	
1,3-Dichlorobenzene	ug/L	50	43.8	88	74-122	
1,4-Dichlorobenzene	ug/L	50	43.5	87	76-120	
2-Butanone (MEK)	ug/L	250	261	104	58-139	
2-Hexanone	ug/L	250	248	99	54-140	
4-Methyl-2-pentanone (MIBK)	ug/L	250	267	107	58-138	
Acetone	ug/L	250	327	131	49-150	
Benzene	ug/L	50	40.5	81	74-122	
Bromodichloromethane	ug/L	50	38.4	77	62-136	
Bromoform	ug/L	50	37.1	74	44-134	
Bromomethane	ug/L	50	82.1	164	22-181	
Carbon disulfide	ug/L	100	84.3	84	59-132	
Carbon tetrachloride	ug/L	50	38.7	77	56-137	
Chlorobenzene	ug/L	50	42.7	85	78-123	
Chloroethane	ug/L	50	55.5	111	60-144	
Chloroform	ug/L	50	42.3	85	78-126	
Chloromethane	ug/L	50	38.7	77	42-134	
cis-1,2-Dichloroethene	ug/L	50	39.6	79	75-122	
cis-1,3-Dichloropropene	ug/L	50	39.4	79	64-126	
Cyclohexane	ug/L	50	ND	91	62-119	N2
Dibromochloromethane	ug/L	50	36.9	74	58-128	
Dichlorodifluoromethane	ug/L	50	44.2	88	35-181	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: E027035 / Allison Trans
Pace Project No.: 5092626

LABORATORY CONTROL SAMPLE: 1042186

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Ethylbenzene	ug/L	50	42.6	85	66-133	
Isopropylbenzene (Cumene)	ug/L	50	44.7	89	69-124	
Methyl acetate	ug/L	50	52.8	106	10-142	N2
Methyl-tert-butyl ether	ug/L	100	92.4	92	69-122	
Methylcyclohexane	ug/L	50	ND	84	63-130	N2
Methylene Chloride	ug/L	50	50.3	101	68-132	
Styrene	ug/L	50	44.5	89	74-126	
Tetrachloroethene	ug/L	50	41.1	82	69-130	
Toluene	ug/L	50	40.4	81	72-122	
trans-1,2-Dichloroethene	ug/L	50	38.6	77	72-124	
trans-1,3-Dichloropropene	ug/L	50	33.3	67	64-121	
Trichloroethene	ug/L	50	39.6	79	76-126	
Trichlorofluoromethane	ug/L	50	53.5	107	76-149	
Vinyl chloride	ug/L	50	41.2	82	59-126	
Xylene (Total)	ug/L	150	131	87	70-124	
4-Bromofluorobenzene (S)	%.			101	80-114	
Dibromofluoromethane (S)	%.			101	79-116	
Toluene-d8 (S)	%.			98	81-110	

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: E027035 / Allison Trans
Pace Project No.: 5092626

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

N2 The lab does not hold TNI accreditation for this parameter.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: E027035 / Allison Trans
Pace Project No.: 5092626

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
5092626001	**Trip Blank**	EPA 8260	MSV/61272		
5092626002	**RW-1301-S2(012214)**	EPA 8260	MSV/61272		

REPORT OF LABORATORY ANALYSIS

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GM REALM ENCORE

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

PAGE 1 OF 1

ID # Nº 09457

SSOW Ref. Code: E027035

Required Client Information:

Company: Arcadis	Report To: Eric Mosbrugger
Address: 132 E. Washington Suite 600	Copy To:
Indianapolis, IN 46204	Invoice To:
Phone: 231-6508	P.O.:
Fax:	Project Name:
E-mail: Eric Mosbrugger	Project Number: IN000473,0020.00038

Laboratory: Pace	
Laboratory Location: Indianapolis	
Laboratory Contact:	
Requested Due Date:	TAT: Std
QA/QC Requirements:	

Valid Matrix Codes: WG Groundwater; WB Borehole Water; WS Surface Water; SO Soil; SE Sediment; See Back for Additional Codes

	Sample Identification:	Matrix Code	Date Collected	Time Collected	# Containers	Preservative: Unpreserved	HCl	H2SO4	HNO3	NaOH	Other:	Analysis and Method: VOC 8260												Remarks/Lab ID
1.	Trip Blank		—	—	3		✓					✓												
2.	RW-1301-S2 (012214)	WG	1/22/14	1330	3		✓					✓												007 002
3.																								
4.																								
5.																								
6.																								
7.																								
8.																								
9.																								
10.																								
11.																								
12.																								
13.																								
14.																								
15.																								
	TOTAL NUMBER OF CONTAINERS																							

5092624

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY / AFFILIATION	DATE	TIME	RECEIVED BY / AFFILIATION	DATE	TIME
		Scott Maleski / Arcadis	1/22/14	1411	Kim Allen PACE	1/22/14	1411
AIRBILL NO.							

Sample Condition

Temp in °C	3.3
Received on Ice	(Y) N
Sealed Cooler	Y (N)
Samples Intact	(Y) N

Additional Comments:

WIC Marked

Sampler Name: Scott Maleski

Sampler Signature: [signature] Date: 1/22/14

Distribution: WHITE - Fully Executed Copy YELLOW - Receiving Laboratory Copy PINK - Sampler Copy

REV. 0 (6/08)

Reference 23 Page 522

Sample Condition Upon Receipt

Pace Analytical

Client Name: ARCADIS Project # 5092626

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☑ Client ☐ Commercial ☐ Pace Other

Tracking #:

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals Intact: ☐ yes ☐ no

Date/Time 5035A kits placed in freezer

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ None ☑ Other Ice/Foam block

Thermometer Used 1 2 3 4 6 A B C D E Type of Ice: Wet Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature (Corrected, if applicable) 3.3°C Ice Visible in Sample Containers: ☐ yes ☑ no

Temp should be above freezing to 6°C

Date and Initials of person examining contents: 1/22/14 Kelly

				Comments:
Chain of Custody Present:	☑ Yes	☐ No	☐ N/A	1.
Chain of Custody Filled Out:	☑ Yes	☐ No	☐ N/A	2.
Chain of Custody Relinquished:	☑ Yes	☐ No	☐ N/A	3.
Sampler Name & Signature on COC:	☑ Yes	☐ No	☐ N/A	4.
Short Hold Time Analysis (<72hr):	☐ Yes	☑ No	☐ N/A	5.
Rush Turn Around Time Requested:	☐ Yes	☑ No	☐ N/A	6.
Containers Intact:	☑ Yes	☐ No	☐ N/A	7.
Sample Labels match COC: -Includes date/time/ID/Analysis	☑ Yes	☐ No	☐ N/A	8.
All containers needing acid/base pres. have been checked? exceptions: VOA, coliform, TOC, O&G	☐ Yes	☐ No	☑ N/A	9. (Circle) HNO3 H2SO4 NaOH HCl
All containers needing preservation are found to be in compliance with EPA recommendation.	☐ Yes	☐ No	☑ N/A	
Headspace in VOA Vials (>6mm):	☐ Yes	☑ No	☐ N/A	10.
Trip Blank Present:	☑ Yes	☐ No	☐ N/A	11.
Trip Blank Custody Seals Present	☑ Yes	☐ No	☐ N/A	
Project Manager Review				
Samples Arrived within Hold Time:	☑ Yes	☐ No	☐ N/A	12.
Sufficient Volume:	☑ Yes	☐ No	☐ N/A	13.
Correct Containers Used:	☑ Yes	☐ No	☐ N/A	14.

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: Date/Time:

Comments/ Resolution:

Project Manager Review: [signature] **Date:** 1/22/14

Form F-IN-Q290-rev.04, 28Apr2011

CLIENT: ARCADIS

Sample Container Count

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COC PAGE ___ of ___
COC ID# 09457

Project # 5092626

Sample Line Item	DG9H	AG1U	WGFU	AG0U	R	4 / 6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	____	____	pH <2	pH>12	Comments
1	3																		
2	3																		
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

Container Codes

DG9H	40mL HCL amber voa vial	AG0U	100mL unpreserved amber gl	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber gla	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	I	Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber g	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber g	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gl	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plasti	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

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March 13, 2014

Ms. Susan Scrocchi
Conestoga-Rovers and Associates
2055 Niagara Falls Blvd
Suite 2
Niagara Falls, NY 14304

RE: Project: E027035 / Allison Trans
Pace Project No.: 5093950

Dear Ms. Scrocchi:
Enclosed are the analytical results for sample(s) received by the laboratory on February 27, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Donna S. Spyker

Donna Spyker
donna.spyker@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: E027035 / Allison Trans
Pace Project No.: 5093950

Indiana Certification IDs
7726 Moller Road, Indianapolis, IN 46268
Illinois Certification #: 200074
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky UST Certification #: 0042
Louisiana/NELAP Certification #: 04076
Ohio VAP Certification #: CL-0065
Pennsylvania Certification #: 68-04991
West Virginia Certification #: 330

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SAMPLE SUMMARY

Project: E027035 / Allison Trans
Pace Project No.: 5093950

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5093950001	RW-0604-S3(022714)	Water	02/27/14 11:00	02/27/14 15:42
5093950002	RW-0604-S2B(022714)	Water	02/27/14 11:05	02/27/14 15:42
5093950003	RW-0501-S3(022714)	Water	02/27/14 11:10	02/27/14 15:42
5093950004	RW-0501-S2B(022714)	Water	02/27/14 11:12	02/27/14 15:42
5093950005	RW-0602-S3(022714)	Water	02/27/14 11:15	02/27/14 15:42
5093950006	RW-0602-S2A/S2B(022714)	Water	02/27/14 11:18	02/27/14 15:42
5093950007	RW-0502-S2B(022714)	Water	02/27/14 11:20	02/27/14 15:42
5093950008	RW-0603-S3(022714)	Water	02/27/14 11:22	02/27/14 15:42
5093950009	RW-1301-S2(022714)	Water	02/27/14 11:25	02/27/14 15:42
5093950010	RW-0201-S2A(022714)	Water	02/27/14 11:45	02/27/14 15:42
5093950011	RW-0202-S2A(022714)	Water	02/27/14 11:48	02/27/14 15:42
5093950012	RW-0203-S2A(022714)	Water	02/27/14 11:50	02/27/14 15:42
5093950013	RW-0204-S2A/0205-S2A(022714)	Water	02/27/14 11:52	02/27/14 15:42
5093950014	RW-0605-S3(022714)	Water	02/27/14 11:55	02/27/14 15:42
5093950015	Trip Blank	Water	02/27/14 08:00	02/27/14 15:42

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SAMPLE ANALYTE COUNT

Project: E027035 / Allison Trans
Pace Project No.: 5093950

Lab ID	Sample ID	Method	Analysts	Analytes Reported
5093950001	RW-0604-S3(022714)	EPA 8260	GRM	51
5093950002	RW-0604-S2B(022714)	EPA 8260	GRM	51
5093950003	RW-0501-S3(022714)	EPA 8260	GRM	51
5093950004	RW-0501-S2B(022714)	EPA 8260	GRM	51
5093950005	RW-0602-S3(022714)	EPA 8260	GRM	51
5093950006	RW-0602-S2A/S2B(022714)	EPA 8260	GRM	51
5093950007	RW-0502-S2B(022714)	EPA 8260	GRM	51
5093950008	RW-0603-S3(022714)	EPA 8260	GRM	51
5093950009	RW-1301-S2(022714)	EPA 8260	GRM	51
5093950010	RW-0201-S2A(022714)	EPA 8260	GRM	51
5093950011	RW-0202-S2A(022714)	EPA 8260	GRM	51
5093950012	RW-0203-S2A(022714)	EPA 8260	GRM	51
5093950013	RW-0204-S2A/0205-S2A(022714)	EPA 8260	GRM	51
5093950014	RW-0605-S3(022714)	EPA 8260	GRM	51
5093950015	Trip Blank	EPA 8260	GRM	51

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ANALYTICAL RESULTS

Project: E027035 / Allison Trans
Pace Project No.: 5093950

Sample: RW-0604-S3(022714) **Lab ID: 5093950001** Collected: 02/27/14 11:00 Received: 02/27/14 15:42 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		03/06/14 15:31	67-64-1	
Benzene	ND	ug/L	5.0	1		03/06/14 15:31	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		03/06/14 15:31	75-27-4	
Bromoform	ND	ug/L	5.0	1		03/06/14 15:31	75-25-2	
Bromomethane	ND	ug/L	5.0	1		03/06/14 15:31	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		03/06/14 15:31	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		03/06/14 15:31	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		03/06/14 15:31	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		03/06/14 15:31	108-90-7	
Chloroethane	ND	ug/L	5.0	1		03/06/14 15:31	75-00-3	
Chloroform	ND	ug/L	5.0	1		03/06/14 15:31	67-66-3	
Chloromethane	ND	ug/L	5.0	1		03/06/14 15:31	74-87-3	
Cyclohexane	ND	ug/L	100	1		03/06/14 15:31	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		03/06/14 15:31	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		03/06/14 15:31	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		03/06/14 15:31	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		03/06/14 15:31	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		03/06/14 15:31	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		03/06/14 15:31	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		03/06/14 15:31	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		03/06/14 15:31	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		03/06/14 15:31	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		03/06/14 15:31	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		03/06/14 15:31	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		03/06/14 15:31	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		03/06/14 15:31	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		03/06/14 15:31	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		03/06/14 15:31	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		03/06/14 15:31	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		03/06/14 15:31	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		03/06/14 15:31	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		03/06/14 15:31	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		03/06/14 15:31	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		03/06/14 15:31	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		03/06/14 15:31	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		03/06/14 15:31	1634-04-4	
Styrene	ND	ug/L	5.0	1		03/06/14 15:31	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		03/06/14 15:31	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		03/06/14 15:31	127-18-4	
Toluene	ND	ug/L	5.0	1		03/06/14 15:31	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		03/06/14 15:31	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		03/06/14 15:31	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		03/06/14 15:31	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		03/06/14 15:31	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		03/06/14 15:31	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		03/06/14 15:31	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		03/06/14 15:31	75-01-4	

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ANALYTICAL RESULTS

Project: E027035 / Allison Trans
Pace Project No.: 5093950

Sample: RW-0604-S3(022714) **Lab ID: 5093950001** Collected: 02/27/14 11:00 Received: 02/27/14 15:42 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		03/06/14 15:31	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	98	%.	79-116	1		03/06/14 15:31	1868-53-7	
4-Bromofluorobenzene (S)	101	%.	80-114	1		03/06/14 15:31	460-00-4	
Toluene-d8 (S)	111	%.	81-110	1		03/06/14 15:31	2037-26-5	S3

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ANALYTICAL RESULTS

Project: E027035 / Allison Trans
Pace Project No.: 5093950

Sample: RW-0604-S2B(022714) **Lab ID: 5093950002** Collected: 02/27/14 11:05 Received: 02/27/14 15:42 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		03/06/14 16:07	67-64-1	
Benzene	ND	ug/L	5.0	1		03/06/14 16:07	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		03/06/14 16:07	75-27-4	
Bromoform	ND	ug/L	5.0	1		03/06/14 16:07	75-25-2	
Bromomethane	ND	ug/L	5.0	1		03/06/14 16:07	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		03/06/14 16:07	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		03/06/14 16:07	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		03/06/14 16:07	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		03/06/14 16:07	108-90-7	
Chloroethane	ND	ug/L	5.0	1		03/06/14 16:07	75-00-3	
Chloroform	ND	ug/L	5.0	1		03/06/14 16:07	67-66-3	
Chloromethane	ND	ug/L	5.0	1		03/06/14 16:07	74-87-3	
Cyclohexane	ND	ug/L	100	1		03/06/14 16:07	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		03/06/14 16:07	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		03/06/14 16:07	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		03/06/14 16:07	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		03/06/14 16:07	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		03/06/14 16:07	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		03/06/14 16:07	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		03/06/14 16:07	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		03/06/14 16:07	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		03/06/14 16:07	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		03/06/14 16:07	75-35-4	
cis-1,2-Dichloroethene	**34.9**	ug/L	5.0	1		03/06/14 16:07	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		03/06/14 16:07	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		03/06/14 16:07	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		03/06/14 16:07	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		03/06/14 16:07	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		03/06/14 16:07	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		03/06/14 16:07	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		03/06/14 16:07	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		03/06/14 16:07	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		03/06/14 16:07	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		03/06/14 16:07	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		03/06/14 16:07	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		03/06/14 16:07	1634-04-4	
Styrene	ND	ug/L	5.0	1		03/06/14 16:07	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		03/06/14 16:07	79-34-5	
Tetrachloroethene	**89.9**	ug/L	5.0	1		03/06/14 16:07	127-18-4	
Toluene	ND	ug/L	5.0	1		03/06/14 16:07	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		03/06/14 16:07	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		03/06/14 16:07	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		03/06/14 16:07	79-00-5	
Trichloroethene	**43.9**	ug/L	5.0	1		03/06/14 16:07	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		03/06/14 16:07	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		03/06/14 16:07	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		03/06/14 16:07	75-01-4	

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ANALYTICAL RESULTS

Project: E027035 / Allison Trans
Pace Project No.: 5093950

Sample: RW-0604-S2B(022714) **Lab ID: 5093950002** Collected: 02/27/14 11:05 Received: 02/27/14 15:42 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		03/06/14 16:07	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	98	%.	79-116	1		03/06/14 16:07	1868-53-7	
4-Bromofluorobenzene (S)	99	%.	80-114	1		03/06/14 16:07	460-00-4	
Toluene-d8 (S)	110	%.	81-110	1		03/06/14 16:07	2037-26-5	

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ANALYTICAL RESULTS

Project: E027035 / Allison Trans
Pace Project No.: 5093950

Sample: RW-0501-S3(022714) **Lab ID: 5093950003** Collected: 02/27/14 11:10 Received: 02/27/14 15:42 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		03/06/14 17:52	67-64-1	
Benzene	ND	ug/L	5.0	1		03/06/14 17:52	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		03/06/14 17:52	75-27-4	
Bromoform	ND	ug/L	5.0	1		03/06/14 17:52	75-25-2	
Bromomethane	ND	ug/L	5.0	1		03/06/14 17:52	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		03/06/14 17:52	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		03/06/14 17:52	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		03/06/14 17:52	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		03/06/14 17:52	108-90-7	
Chloroethane	ND	ug/L	5.0	1		03/06/14 17:52	75-00-3	
Chloroform	ND	ug/L	5.0	1		03/06/14 17:52	67-66-3	
Chloromethane	ND	ug/L	5.0	1		03/06/14 17:52	74-87-3	
Cyclohexane	ND	ug/L	100	1		03/06/14 17:52	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		03/06/14 17:52	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		03/06/14 17:52	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		03/06/14 17:52	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		03/06/14 17:52	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		03/06/14 17:52	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		03/06/14 17:52	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		03/06/14 17:52	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		03/06/14 17:52	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		03/06/14 17:52	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		03/06/14 17:52	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		03/06/14 17:52	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		03/06/14 17:52	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		03/06/14 17:52	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		03/06/14 17:52	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		03/06/14 17:52	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		03/06/14 17:52	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		03/06/14 17:52	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		03/06/14 17:52	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		03/06/14 17:52	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		03/06/14 17:52	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		03/06/14 17:52	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		03/06/14 17:52	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		03/06/14 17:52	1634-04-4	
Styrene	ND	ug/L	5.0	1		03/06/14 17:52	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		03/06/14 17:52	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		03/06/14 17:52	127-18-4	
Toluene	ND	ug/L	5.0	1		03/06/14 17:52	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		03/06/14 17:52	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		03/06/14 17:52	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		03/06/14 17:52	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		03/06/14 17:52	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		03/06/14 17:52	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		03/06/14 17:52	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		03/06/14 17:52	75-01-4	

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ANALYTICAL RESULTS

Project: E027035 / Allison Trans
Pace Project No.: 5093950

Sample: RW-0501-S3(022714) **Lab ID: 5093950003** Collected: 02/27/14 11:10 Received: 02/27/14 15:42 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		03/06/14 17:52	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	99	%.	79-116	1		03/06/14 17:52	1868-53-7	
4-Bromofluorobenzene (S)	100	%.	80-114	1		03/06/14 17:52	460-00-4	
Toluene-d8 (S)	109	%.	81-110	1		03/06/14 17:52	2037-26-5	

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ANALYTICAL RESULTS

Project: E027035 / Allison Trans
Pace Project No.: 5093950

Sample: RW-0501-S2B(022714) **Lab ID: 5093950004** Collected: 02/27/14 11:12 Received: 02/27/14 15:42 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		03/06/14 19:02	67-64-1	
Benzene	ND	ug/L	5.0	1		03/06/14 19:02	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		03/06/14 19:02	75-27-4	
Bromoform	ND	ug/L	5.0	1		03/06/14 19:02	75-25-2	
Bromomethane	ND	ug/L	5.0	1		03/06/14 19:02	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		03/06/14 19:02	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		03/06/14 19:02	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		03/06/14 19:02	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		03/06/14 19:02	108-90-7	
Chloroethane	ND	ug/L	5.0	1		03/06/14 19:02	75-00-3	
Chloroform	ND	ug/L	5.0	1		03/06/14 19:02	67-66-3	
Chloromethane	ND	ug/L	5.0	1		03/06/14 19:02	74-87-3	
Cyclohexane	ND	ug/L	100	1		03/06/14 19:02	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		03/06/14 19:02	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		03/06/14 19:02	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		03/06/14 19:02	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		03/06/14 19:02	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		03/06/14 19:02	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		03/06/14 19:02	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		03/06/14 19:02	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		03/06/14 19:02	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		03/06/14 19:02	107-06-2	
1,1-Dichloroethene	**7.2**	ug/L	5.0	1		03/06/14 19:02	75-35-4	
cis-1,2-Dichloroethene	**385**	ug/L	50.0	10		03/11/14 00:22	156-59-2	
trans-1,2-Dichloroethene	**3.4J**	ug/L	5.0	1		03/06/14 19:02	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		03/06/14 19:02	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		03/06/14 19:02	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		03/06/14 19:02	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		03/06/14 19:02	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		03/06/14 19:02	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		03/06/14 19:02	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		03/06/14 19:02	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		03/06/14 19:02	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		03/06/14 19:02	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		03/06/14 19:02	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		03/06/14 19:02	1634-04-4	
Styrene	ND	ug/L	5.0	1		03/06/14 19:02	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		03/06/14 19:02	79-34-5	
Tetrachloroethene	**1930**	ug/L	50.0	10		03/11/14 00:22	127-18-4	
Toluene	ND	ug/L	5.0	1		03/06/14 19:02	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		03/06/14 19:02	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		03/06/14 19:02	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		03/06/14 19:02	79-00-5	
Trichloroethene	**229**	ug/L	5.0	1		03/06/14 19:02	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		03/06/14 19:02	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		03/06/14 19:02	76-13-1	
Vinyl chloride	**55.4**	ug/L	2.0	1		03/06/14 19:02	75-01-4	

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ANALYTICAL RESULTS

Project: E027035 / Allison Trans
Pace Project No.: 5093950

Sample: RW-0501-S2B(022714) **Lab ID: 5093950004** Collected: 02/27/14 11:12 Received: 02/27/14 15:42 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		03/06/14 19:02	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	98	%.	79-116	1		03/06/14 19:02	1868-53-7	
4-Bromofluorobenzene (S)	96	%.	80-114	1		03/06/14 19:02	460-00-4	
Toluene-d8 (S)	106	%.	81-110	1		03/06/14 19:02	2037-26-5	

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ANALYTICAL RESULTS

Project: E027035 / Allison Trans
Pace Project No.: 5093950

Sample: RW-0602-S3(022714) **Lab ID: 5093950005** Collected: 02/27/14 11:15 Received: 02/27/14 15:42 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		03/06/14 20:12	67-64-1	
Benzene	ND	ug/L	5.0	1		03/06/14 20:12	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		03/06/14 20:12	75-27-4	
Bromoform	ND	ug/L	5.0	1		03/06/14 20:12	75-25-2	
Bromomethane	ND	ug/L	5.0	1		03/06/14 20:12	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		03/06/14 20:12	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		03/06/14 20:12	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		03/06/14 20:12	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		03/06/14 20:12	108-90-7	
Chloroethane	ND	ug/L	5.0	1		03/06/14 20:12	75-00-3	
Chloroform	ND	ug/L	5.0	1		03/06/14 20:12	67-66-3	
Chloromethane	ND	ug/L	5.0	1		03/06/14 20:12	74-87-3	
Cyclohexane	ND	ug/L	100	1		03/06/14 20:12	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		03/06/14 20:12	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		03/06/14 20:12	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		03/06/14 20:12	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		03/06/14 20:12	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		03/06/14 20:12	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		03/06/14 20:12	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		03/06/14 20:12	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		03/06/14 20:12	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		03/06/14 20:12	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		03/06/14 20:12	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		03/06/14 20:12	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		03/06/14 20:12	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		03/06/14 20:12	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		03/06/14 20:12	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		03/06/14 20:12	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		03/06/14 20:12	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		03/06/14 20:12	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		03/06/14 20:12	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		03/06/14 20:12	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		03/06/14 20:12	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		03/06/14 20:12	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		03/06/14 20:12	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		03/06/14 20:12	1634-04-4	
Styrene	ND	ug/L	5.0	1		03/06/14 20:12	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		03/06/14 20:12	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		03/06/14 20:12	127-18-4	
Toluene	ND	ug/L	5.0	1		03/06/14 20:12	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		03/06/14 20:12	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		03/06/14 20:12	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		03/06/14 20:12	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		03/06/14 20:12	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		03/06/14 20:12	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		03/06/14 20:12	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		03/06/14 20:12	75-01-4	

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ANALYTICAL RESULTS

Project: E027035 / Allison Trans
Pace Project No.: 5093950

Sample: RW-0602-S3(022714) **Lab ID: 5093950005** Collected: 02/27/14 11:15 Received: 02/27/14 15:42 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		03/06/14 20:12	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	103	%.	79-116	1		03/06/14 20:12	1868-53-7	
4-Bromofluorobenzene (S)	99	%.	80-114	1		03/06/14 20:12	460-00-4	
Toluene-d8 (S)	110	%.	81-110	1		03/06/14 20:12	2037-26-5	

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ANALYTICAL RESULTS

Project: E027035 / Allison Trans
Pace Project No.: 5093950

Sample: RW-0602-S2A/S2B(022714) **Lab ID: 5093950006** Collected: 02/27/14 11:18 Received: 02/27/14 15:42 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		03/06/14 20:48	67-64-1	
Benzene	ND	ug/L	5.0	1		03/06/14 20:48	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		03/06/14 20:48	75-27-4	
Bromoform	ND	ug/L	5.0	1		03/06/14 20:48	75-25-2	
Bromomethane	ND	ug/L	5.0	1		03/06/14 20:48	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		03/06/14 20:48	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		03/06/14 20:48	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		03/06/14 20:48	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		03/06/14 20:48	108-90-7	
Chloroethane	ND	ug/L	5.0	1		03/06/14 20:48	75-00-3	
Chloroform	ND	ug/L	5.0	1		03/06/14 20:48	67-66-3	
Chloromethane	ND	ug/L	5.0	1		03/06/14 20:48	74-87-3	
Cyclohexane	ND	ug/L	100	1		03/06/14 20:48	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		03/06/14 20:48	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		03/06/14 20:48	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		03/06/14 20:48	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		03/06/14 20:48	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		03/06/14 20:48	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		03/06/14 20:48	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		03/06/14 20:48	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		03/06/14 20:48	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		03/06/14 20:48	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		03/06/14 20:48	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		03/06/14 20:48	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		03/06/14 20:48	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		03/06/14 20:48	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		03/06/14 20:48	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		03/06/14 20:48	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		03/06/14 20:48	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		03/06/14 20:48	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		03/06/14 20:48	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		03/06/14 20:48	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		03/06/14 20:48	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		03/06/14 20:48	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		03/06/14 20:48	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		03/06/14 20:48	1634-04-4	
Styrene	ND	ug/L	5.0	1		03/06/14 20:48	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		03/06/14 20:48	79-34-5	
Tetrachloroethene	**33.6**	ug/L	5.0	1		03/06/14 20:48	127-18-4	
Toluene	ND	ug/L	5.0	1		03/06/14 20:48	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		03/06/14 20:48	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		03/06/14 20:48	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		03/06/14 20:48	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		03/06/14 20:48	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		03/06/14 20:48	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		03/06/14 20:48	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		03/06/14 20:48	75-01-4	

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ANALYTICAL RESULTS

Project: E027035 / Allison Trans
Pace Project No.: 5093950

Sample: RW-0602-S2A/S2B(022714) **Lab ID: 5093950006** Collected: 02/27/14 11:18 Received: 02/27/14 15:42 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		03/06/14 20:48	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	102	%.	79-116	1		03/06/14 20:48	1868-53-7	
4-Bromofluorobenzene (S)	101	%.	80-114	1		03/06/14 20:48	460-00-4	
Toluene-d8 (S)	109	%.	81-110	1		03/06/14 20:48	2037-26-5	

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ANALYTICAL RESULTS

Project: E027035 / Allison Trans
Pace Project No.: 5093950

Sample: RW-0502-S2B(022714) **Lab ID: 5093950007** Collected: 02/27/14 11:20 Received: 02/27/14 15:42 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		03/06/14 21:23	67-64-1	
Benzene	ND	ug/L	5.0	1		03/06/14 21:23	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		03/06/14 21:23	75-27-4	
Bromoform	ND	ug/L	5.0	1		03/06/14 21:23	75-25-2	
Bromomethane	ND	ug/L	5.0	1		03/06/14 21:23	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		03/06/14 21:23	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		03/06/14 21:23	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		03/06/14 21:23	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		03/06/14 21:23	108-90-7	
Chloroethane	ND	ug/L	5.0	1		03/06/14 21:23	75-00-3	
Chloroform	ND	ug/L	5.0	1		03/06/14 21:23	67-66-3	
Chloromethane	ND	ug/L	5.0	1		03/06/14 21:23	74-87-3	
Cyclohexane	ND	ug/L	100	1		03/06/14 21:23	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		03/06/14 21:23	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		03/06/14 21:23	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		03/06/14 21:23	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		03/06/14 21:23	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		03/06/14 21:23	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		03/06/14 21:23	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		03/06/14 21:23	75-71-8	
1,1-Dichloroethane	**5.3**	ug/L	5.0	1		03/06/14 21:23	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		03/06/14 21:23	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		03/06/14 21:23	75-35-4	
cis-1,2-Dichloroethene	**48.5**	ug/L	5.0	1		03/06/14 21:23	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		03/06/14 21:23	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		03/06/14 21:23	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		03/06/14 21:23	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		03/06/14 21:23	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		03/06/14 21:23	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		03/06/14 21:23	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		03/06/14 21:23	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		03/06/14 21:23	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		03/06/14 21:23	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		03/06/14 21:23	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		03/06/14 21:23	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		03/06/14 21:23	1634-04-4	
Styrene	ND	ug/L	5.0	1		03/06/14 21:23	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		03/06/14 21:23	79-34-5	
Tetrachloroethene	**17.8**	ug/L	5.0	1		03/06/14 21:23	127-18-4	
Toluene	ND	ug/L	5.0	1		03/06/14 21:23	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		03/06/14 21:23	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		03/06/14 21:23	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		03/06/14 21:23	79-00-5	
Trichloroethene	**28.3**	ug/L	5.0	1		03/06/14 21:23	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		03/06/14 21:23	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		03/06/14 21:23	76-13-1	
Vinyl chloride	**2.6**	ug/L	2.0	1		03/06/14 21:23	75-01-4	

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ANALYTICAL RESULTS

Project: E027035 / Allison Trans
Pace Project No.: 5093950

Sample: RW-0502-S2B(022714) **Lab ID: 5093950007** Collected: 02/27/14 11:20 Received: 02/27/14 15:42 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		03/06/14 21:23	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	103	%.	79-116	1		03/06/14 21:23	1868-53-7	
4-Bromofluorobenzene (S)	96	%.	80-114	1		03/06/14 21:23	460-00-4	
Toluene-d8 (S)	109	%.	81-110	1		03/06/14 21:23	2037-26-5	

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ANALYTICAL RESULTS

Project: E027035 / Allison Trans
Pace Project No.: 5093950

Sample: RW-0603-S3(022714) **Lab ID: 5093950008** Collected: 02/27/14 11:22 Received: 02/27/14 15:42 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		03/06/14 21:58	67-64-1	
Benzene	ND	ug/L	5.0	1		03/06/14 21:58	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		03/06/14 21:58	75-27-4	
Bromoform	ND	ug/L	5.0	1		03/06/14 21:58	75-25-2	
Bromomethane	ND	ug/L	5.0	1		03/06/14 21:58	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		03/06/14 21:58	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		03/06/14 21:58	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		03/06/14 21:58	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		03/06/14 21:58	108-90-7	
Chloroethane	**18.3**	ug/L	5.0	1		03/06/14 21:58	75-00-3	
Chloroform	ND	ug/L	5.0	1		03/06/14 21:58	67-66-3	
Chloromethane	ND	ug/L	5.0	1		03/06/14 21:58	74-87-3	
Cyclohexane	ND	ug/L	100	1		03/06/14 21:58	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		03/06/14 21:58	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		03/06/14 21:58	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		03/06/14 21:58	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		03/06/14 21:58	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		03/06/14 21:58	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		03/06/14 21:58	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		03/06/14 21:58	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		03/06/14 21:58	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		03/06/14 21:58	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		03/06/14 21:58	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		03/06/14 21:58	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		03/06/14 21:58	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		03/06/14 21:58	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		03/06/14 21:58	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		03/06/14 21:58	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		03/06/14 21:58	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		03/06/14 21:58	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		03/06/14 21:58	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		03/06/14 21:58	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		03/06/14 21:58	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		03/06/14 21:58	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		03/06/14 21:58	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		03/06/14 21:58	1634-04-4	
Styrene	ND	ug/L	5.0	1		03/06/14 21:58	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		03/06/14 21:58	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		03/06/14 21:58	127-18-4	
Toluene	ND	ug/L	5.0	1		03/06/14 21:58	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		03/06/14 21:58	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		03/06/14 21:58	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		03/06/14 21:58	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		03/06/14 21:58	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		03/06/14 21:58	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		03/06/14 21:58	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		03/06/14 21:58	75-01-4	

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ANALYTICAL RESULTS

Project: E027035 / Allison Trans
Pace Project No.: 5093950

Sample: RW-0603-S3(022714) **Lab ID: 5093950008** Collected: 02/27/14 11:22 Received: 02/27/14 15:42 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		03/06/14 21:58	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	103	%.	79-116	1		03/06/14 21:58	1868-53-7	
4-Bromofluorobenzene (S)	97	%.	80-114	1		03/06/14 21:58	460-00-4	
Toluene-d8 (S)	109	%.	81-110	1		03/06/14 21:58	2037-26-5	

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ANALYTICAL RESULTS

Project: E027035 / Allison Trans
Pace Project No.: 5093950

Sample: RW-1301-S2(022714) **Lab ID: 5093950009** Collected: 02/27/14 11:25 Received: 02/27/14 15:42 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		03/06/14 22:33	67-64-1	
Benzene	ND	ug/L	5.0	1		03/06/14 22:33	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		03/06/14 22:33	75-27-4	
Bromoform	ND	ug/L	5.0	1		03/06/14 22:33	75-25-2	
Bromomethane	ND	ug/L	5.0	1		03/06/14 22:33	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		03/06/14 22:33	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		03/06/14 22:33	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		03/06/14 22:33	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		03/06/14 22:33	108-90-7	
Chloroethane	ND	ug/L	5.0	1		03/06/14 22:33	75-00-3	
Chloroform	ND	ug/L	5.0	1		03/06/14 22:33	67-66-3	
Chloromethane	ND	ug/L	5.0	1		03/06/14 22:33	74-87-3	
Cyclohexane	ND	ug/L	100	1		03/06/14 22:33	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		03/06/14 22:33	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		03/06/14 22:33	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		03/06/14 22:33	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		03/06/14 22:33	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		03/06/14 22:33	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		03/06/14 22:33	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		03/06/14 22:33	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		03/06/14 22:33	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		03/06/14 22:33	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		03/06/14 22:33	75-35-4	
cis-1,2-Dichloroethene	**9.7**	ug/L	5.0	1		03/06/14 22:33	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		03/06/14 22:33	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		03/06/14 22:33	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		03/06/14 22:33	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		03/06/14 22:33	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		03/06/14 22:33	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		03/06/14 22:33	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		03/06/14 22:33	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		03/06/14 22:33	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		03/06/14 22:33	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		03/06/14 22:33	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		03/06/14 22:33	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		03/06/14 22:33	1634-04-4	
Styrene	ND	ug/L	5.0	1		03/06/14 22:33	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		03/06/14 22:33	79-34-5	
Tetrachloroethene	**113**	ug/L	5.0	1		03/06/14 22:33	127-18-4	
Toluene	ND	ug/L	5.0	1		03/06/14 22:33	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		03/06/14 22:33	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		03/06/14 22:33	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		03/06/14 22:33	79-00-5	
Trichloroethene	**27.7**	ug/L	5.0	1		03/06/14 22:33	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		03/06/14 22:33	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		03/06/14 22:33	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		03/06/14 22:33	75-01-4	

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ANALYTICAL RESULTS

Project: E027035 / Allison Trans
Pace Project No.: 5093950

Sample: RW-1301-S2(022714) **Lab ID: 5093950009** Collected: 02/27/14 11:25 Received: 02/27/14 15:42 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		03/06/14 22:33	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	104	%.	79-116	1		03/06/14 22:33	1868-53-7	
4-Bromofluorobenzene (S)	97	%.	80-114	1		03/06/14 22:33	460-00-4	
Toluene-d8 (S)	109	%.	81-110	1		03/06/14 22:33	2037-26-5	

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ANALYTICAL RESULTS

Project: E027035 / Allison Trans
Pace Project No.: 5093950

Sample: RW-0201-S2A(022714) **Lab ID: 5093950010** Collected: 02/27/14 11:45 Received: 02/27/14 15:42 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	1000	10		03/06/14 23:08	67-64-1	
Benzene	ND	ug/L	50.0	10		03/06/14 23:08	71-43-2	1d,D4
Bromodichloromethane	ND	ug/L	50.0	10		03/06/14 23:08	75-27-4	
Bromoform	ND	ug/L	50.0	10		03/06/14 23:08	75-25-2	
Bromomethane	ND	ug/L	50.0	10		03/06/14 23:08	74-83-9	
2-Butanone (MEK)	ND	ug/L	250	10		03/06/14 23:08	78-93-3	
Carbon disulfide	ND	ug/L	100	10		03/06/14 23:08	75-15-0	
Carbon tetrachloride	ND	ug/L	50.0	10		03/06/14 23:08	56-23-5	
Chlorobenzene	ND	ug/L	50.0	10		03/06/14 23:08	108-90-7	
Chloroethane	ND	ug/L	50.0	10		03/06/14 23:08	75-00-3	
Chloroform	ND	ug/L	50.0	10		03/06/14 23:08	67-66-3	
Chloromethane	ND	ug/L	50.0	10		03/06/14 23:08	74-87-3	
Cyclohexane	ND	ug/L	1000	10		03/06/14 23:08	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	100	10		03/06/14 23:08	96-12-8	
Dibromochloromethane	ND	ug/L	50.0	10		03/06/14 23:08	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	50.0	10		03/06/14 23:08	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	50.0	10		03/06/14 23:08	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	50.0	10		03/06/14 23:08	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	50.0	10		03/06/14 23:08	106-46-7	
Dichlorodifluoromethane	ND	ug/L	50.0	10		03/06/14 23:08	75-71-8	
1,1-Dichloroethane	ND	ug/L	50.0	10		03/06/14 23:08	75-34-3	
1,2-Dichloroethane	ND	ug/L	50.0	10		03/06/14 23:08	107-06-2	
1,1-Dichloroethene	ND	ug/L	50.0	10		03/06/14 23:08	75-35-4	
cis-1,2-Dichloroethene	**395**	ug/L	50.0	10		03/06/14 23:08	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	50.0	10		03/06/14 23:08	156-60-5	
1,2-Dichloropropane	ND	ug/L	50.0	10		03/06/14 23:08	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	50.0	10		03/06/14 23:08	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	50.0	10		03/06/14 23:08	10061-02-6	
Ethylbenzene	ND	ug/L	50.0	10		03/06/14 23:08	100-41-4	
2-Hexanone	ND	ug/L	250	10		03/06/14 23:08	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	50.0	10		03/06/14 23:08	98-82-8	
Methyl acetate	ND	ug/L	500	10		03/06/14 23:08	79-20-9	N2
Methylcyclohexane	ND	ug/L	500	10		03/06/14 23:08	108-87-2	N2
Methylene Chloride	ND	ug/L	50.0	10		03/06/14 23:08	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	250	10		03/06/14 23:08	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	40.0	10		03/06/14 23:08	1634-04-4	
Styrene	ND	ug/L	50.0	10		03/06/14 23:08	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	50.0	10		03/06/14 23:08	79-34-5	
Tetrachloroethene	**25900**	ug/L	1000	200		03/06/14 23:44	127-18-4	
Toluene	ND	ug/L	50.0	10		03/06/14 23:08	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	50.0	10		03/06/14 23:08	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	50.0	10		03/06/14 23:08	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	50.0	10		03/06/14 23:08	79-00-5	
Trichloroethene	**1250**	ug/L	50.0	10		03/06/14 23:08	79-01-6	
Trichlorofluoromethane	ND	ug/L	50.0	10		03/06/14 23:08	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	50.0	10		03/06/14 23:08	76-13-1	
Vinyl chloride	ND	ug/L	20.0	10		03/06/14 23:08	75-01-4	

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ANALYTICAL RESULTS

Project: E027035 / Allison Trans
Pace Project No.: 5093950

Sample: RW-0201-S2A(022714) **Lab ID: 5093950010** Collected: 02/27/14 11:45 Received: 02/27/14 15:42 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	100	10		03/06/14 23:08	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	104	%.	79-116	10		03/06/14 23:08	1868-53-7	
4-Bromofluorobenzene (S)	94	%.	80-114	10		03/06/14 23:08	460-00-4	
Toluene-d8 (S)	106	%.	81-110	10		03/06/14 23:08	2037-26-5	

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ANALYTICAL RESULTS

Project: E027035 / Allison Trans
Pace Project No.: 5093950

Sample: RW-0202-S2A(022714) **Lab ID: 5093950011** Collected: 02/27/14 11:48 Received: 02/27/14 15:42 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	1000	10		03/07/14 08:15	67-64-1	
Benzene	ND	ug/L	50.0	10		03/07/14 08:15	71-43-2	1d,D4
Bromodichloromethane	ND	ug/L	50.0	10		03/07/14 08:15	75-27-4	
Bromoform	ND	ug/L	50.0	10		03/07/14 08:15	75-25-2	
Bromomethane	ND	ug/L	50.0	10		03/07/14 08:15	74-83-9	
2-Butanone (MEK)	ND	ug/L	250	10		03/07/14 08:15	78-93-3	
Carbon disulfide	ND	ug/L	100	10		03/07/14 08:15	75-15-0	
Carbon tetrachloride	ND	ug/L	50.0	10		03/07/14 08:15	56-23-5	
Chlorobenzene	ND	ug/L	50.0	10		03/07/14 08:15	108-90-7	
Chloroethane	ND	ug/L	50.0	10		03/07/14 08:15	75-00-3	
Chloroform	ND	ug/L	50.0	10		03/07/14 08:15	67-66-3	
Chloromethane	ND	ug/L	50.0	10		03/07/14 08:15	74-87-3	
Cyclohexane	ND	ug/L	1000	10		03/07/14 08:15	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	100	10		03/07/14 08:15	96-12-8	
Dibromochloromethane	ND	ug/L	50.0	10		03/07/14 08:15	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	50.0	10		03/07/14 08:15	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	50.0	10		03/07/14 08:15	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	50.0	10		03/07/14 08:15	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	50.0	10		03/07/14 08:15	106-46-7	
Dichlorodifluoromethane	ND	ug/L	50.0	10		03/07/14 08:15	75-71-8	
1,1-Dichloroethane	ND	ug/L	50.0	10		03/07/14 08:15	75-34-3	
1,2-Dichloroethane	ND	ug/L	50.0	10		03/07/14 08:15	107-06-2	
1,1-Dichloroethene	ND	ug/L	50.0	10		03/07/14 08:15	75-35-4	
cis-1,2-Dichloroethene	**394**	ug/L	50.0	10		03/07/14 08:15	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	50.0	10		03/07/14 08:15	156-60-5	
1,2-Dichloropropane	ND	ug/L	50.0	10		03/07/14 08:15	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	50.0	10		03/07/14 08:15	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	50.0	10		03/07/14 08:15	10061-02-6	
Ethylbenzene	ND	ug/L	50.0	10		03/07/14 08:15	100-41-4	
2-Hexanone	ND	ug/L	250	10		03/07/14 08:15	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	50.0	10		03/07/14 08:15	98-82-8	
Methyl acetate	ND	ug/L	500	10		03/07/14 08:15	79-20-9	N2
Methylcyclohexane	ND	ug/L	500	10		03/07/14 08:15	108-87-2	N2
Methylene Chloride	ND	ug/L	50.0	10		03/07/14 08:15	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	250	10		03/07/14 08:15	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	40.0	10		03/07/14 08:15	1634-04-4	
Styrene	ND	ug/L	50.0	10		03/07/14 08:15	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	50.0	10		03/07/14 08:15	79-34-5	
Tetrachloroethene	**26700**	ug/L	500	100		03/07/14 08:50	127-18-4	
Toluene	ND	ug/L	50.0	10		03/07/14 08:15	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	50.0	10		03/07/14 08:15	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	50.0	10		03/07/14 08:15	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	50.0	10		03/07/14 08:15	79-00-5	
Trichloroethene	**1380**	ug/L	50.0	10		03/07/14 08:15	79-01-6	
Trichlorofluoromethane	ND	ug/L	50.0	10		03/07/14 08:15	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	50.0	10		03/07/14 08:15	76-13-1	
Vinyl chloride	ND	ug/L	20.0	10		03/07/14 08:15	75-01-4	

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ANALYTICAL RESULTS

Project: E027035 / Allison Trans
Pace Project No.: 5093950

Sample: RW-0202-S2A(022714) **Lab ID: 5093950011** Collected: 02/27/14 11:48 Received: 02/27/14 15:42 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	100	10		03/07/14 08:15	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	98	%.	79-116	10		03/07/14 08:15	1868-53-7	
4-Bromofluorobenzene (S)	100	%.	80-114	10		03/07/14 08:15	460-00-4	
Toluene-d8 (S)	109	%.	81-110	10		03/07/14 08:15	2037-26-5	

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ANALYTICAL RESULTS

Project: E027035 / Allison Trans
Pace Project No.: 5093950

Sample: RW-0203-S2A(022714) **Lab ID: 5093950012** Collected: 02/27/14 11:50 Received: 02/27/14 15:42 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		03/07/14 09:26	67-64-1	
Benzene	ND	ug/L	5.0	1		03/07/14 09:26	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		03/07/14 09:26	75-27-4	
Bromoform	ND	ug/L	5.0	1		03/07/14 09:26	75-25-2	
Bromomethane	ND	ug/L	5.0	1		03/07/14 09:26	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		03/07/14 09:26	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		03/07/14 09:26	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		03/07/14 09:26	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		03/07/14 09:26	108-90-7	
Chloroethane	ND	ug/L	5.0	1		03/07/14 09:26	75-00-3	
Chloroform	ND	ug/L	5.0	1		03/07/14 09:26	67-66-3	
Chloromethane	ND	ug/L	5.0	1		03/07/14 09:26	74-87-3	
Cyclohexane	ND	ug/L	100	1		03/07/14 09:26	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		03/07/14 09:26	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		03/07/14 09:26	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		03/07/14 09:26	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		03/07/14 09:26	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		03/07/14 09:26	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		03/07/14 09:26	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		03/07/14 09:26	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		03/07/14 09:26	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		03/07/14 09:26	107-06-2	
1,1-Dichloroethene	**2.7J**	ug/L	5.0	1		03/07/14 09:26	75-35-4	
cis-1,2-Dichloroethene	**405**	ug/L	50.0	10		03/07/14 10:01	156-59-2	
trans-1,2-Dichloroethene	**2.6J**	ug/L	5.0	1		03/07/14 09:26	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		03/07/14 09:26	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		03/07/14 09:26	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		03/07/14 09:26	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		03/07/14 09:26	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		03/07/14 09:26	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		03/07/14 09:26	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		03/07/14 09:26	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		03/07/14 09:26	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		03/07/14 09:26	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		03/07/14 09:26	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		03/07/14 09:26	1634-04-4	
Styrene	ND	ug/L	5.0	1		03/07/14 09:26	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		03/07/14 09:26	79-34-5	
Tetrachloroethene	**32100**	ug/L	1250	250		03/11/14 17:26	127-18-4	
Toluene	ND	ug/L	5.0	1		03/07/14 09:26	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		03/07/14 09:26	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		03/07/14 09:26	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		03/07/14 09:26	79-00-5	
Trichloroethene	**1490**	ug/L	50.0	10		03/07/14 10:01	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		03/07/14 09:26	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		03/07/14 09:26	76-13-1	
Vinyl chloride	**7.0**	ug/L	2.0	1		03/07/14 09:26	75-01-4	

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ANALYTICAL RESULTS

Project: E027035 / Allison Trans
Pace Project No.: 5093950

Sample: RW-0203-S2A(022714) **Lab ID: 5093950012** Collected: 02/27/14 11:50 Received: 02/27/14 15:42 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		03/07/14 09:26	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	99	%.	79-116	1		03/07/14 09:26	1868-53-7	
4-Bromofluorobenzene (S)	98	%.	80-114	1		03/07/14 09:26	460-00-4	
Toluene-d8 (S)	109	%.	81-110	1		03/07/14 09:26	2037-26-5	

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ANALYTICAL RESULTS

Project: E027035 / Allison Trans
Pace Project No.: 5093950

Sample: RW-0204-S2A/0205-S2A(022714) **Lab ID: 5093950013** Collected: 02/27/14 11:52 Received: 02/27/14 15:42 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		03/07/14 00:19	67-64-1	
Benzene	ND	ug/L	5.0	1		03/07/14 00:19	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		03/07/14 00:19	75-27-4	
Bromoform	ND	ug/L	5.0	1		03/07/14 00:19	75-25-2	
Bromomethane	ND	ug/L	5.0	1		03/07/14 00:19	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		03/07/14 00:19	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		03/07/14 00:19	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		03/07/14 00:19	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		03/07/14 00:19	108-90-7	
Chloroethane	ND	ug/L	5.0	1		03/07/14 00:19	75-00-3	
Chloroform	ND	ug/L	5.0	1		03/07/14 00:19	67-66-3	
Chloromethane	ND	ug/L	5.0	1		03/07/14 00:19	74-87-3	
Cyclohexane	ND	ug/L	100	1		03/07/14 00:19	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		03/07/14 00:19	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		03/07/14 00:19	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		03/07/14 00:19	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		03/07/14 00:19	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		03/07/14 00:19	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		03/07/14 00:19	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		03/07/14 00:19	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		03/07/14 00:19	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		03/07/14 00:19	107-06-2	
1,1-Dichloroethene	**3.1J**	ug/L	5.0	1		03/07/14 00:19	75-35-4	
cis-1,2-Dichloroethene	**389**	ug/L	250	50		03/11/14 06:13	156-59-2	
trans-1,2-Dichloroethene	**3.1J**	ug/L	5.0	1		03/07/14 00:19	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		03/07/14 00:19	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		03/07/14 00:19	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		03/07/14 00:19	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		03/07/14 00:19	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		03/07/14 00:19	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		03/07/14 00:19	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		03/07/14 00:19	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		03/07/14 00:19	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		03/07/14 00:19	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		03/07/14 00:19	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		03/07/14 00:19	1634-04-4	
Styrene	ND	ug/L	5.0	1		03/07/14 00:19	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		03/07/14 00:19	79-34-5	
Tetrachloroethene	**33600**	ug/L	2500	500		03/11/14 18:00	127-18-4	
Toluene	ND	ug/L	5.0	1		03/07/14 00:19	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		03/07/14 00:19	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		03/07/14 00:19	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		03/07/14 00:19	79-00-5	
Trichloroethene	**1700**	ug/L	250	50		03/11/14 06:13	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		03/07/14 00:19	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		03/07/14 00:19	76-13-1	

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ANALYTICAL RESULTS

Project: E027035 / Allison Trans
Pace Project No.: 5093950

Sample: RW-0204-S2A/0205-S2A(022714) **Lab ID: 5093950013** Collected: 02/27/14 11:52 Received: 02/27/14 15:42 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Vinyl chloride	**8.1**	ug/L	2.0	1		03/07/14 00:19	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		03/07/14 00:19	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101	%.	79-116	1		03/07/14 00:19	1868-53-7	
4-Bromofluorobenzene (S)	98	%.	80-114	1		03/07/14 00:19	460-00-4	
Toluene-d8 (S)	107	%.	81-110	1		03/07/14 00:19	2037-26-5	

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ANALYTICAL RESULTS

Project: E027035 / Allison Trans
Pace Project No.: 5093950

Sample: RW-0605-S3(022714) **Lab ID: 5093950014** Collected: 02/27/14 11:55 Received: 02/27/14 15:42 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		03/07/14 10:36	67-64-1	
Benzene	ND	ug/L	5.0	1		03/07/14 10:36	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		03/07/14 10:36	75-27-4	
Bromoform	ND	ug/L	5.0	1		03/07/14 10:36	75-25-2	
Bromomethane	ND	ug/L	5.0	1		03/07/14 10:36	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		03/07/14 10:36	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		03/07/14 10:36	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		03/07/14 10:36	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		03/07/14 10:36	108-90-7	
Chloroethane	ND	ug/L	5.0	1		03/07/14 10:36	75-00-3	
Chloroform	ND	ug/L	5.0	1		03/07/14 10:36	67-66-3	
Chloromethane	ND	ug/L	5.0	1		03/07/14 10:36	74-87-3	
Cyclohexane	ND	ug/L	100	1		03/07/14 10:36	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		03/07/14 10:36	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		03/07/14 10:36	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		03/07/14 10:36	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		03/07/14 10:36	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		03/07/14 10:36	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		03/07/14 10:36	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		03/07/14 10:36	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		03/07/14 10:36	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		03/07/14 10:36	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		03/07/14 10:36	75-35-4	
cis-1,2-Dichloroethene	**2.5J**	ug/L	5.0	1		03/07/14 10:36	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		03/07/14 10:36	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		03/07/14 10:36	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		03/07/14 10:36	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		03/07/14 10:36	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		03/07/14 10:36	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		03/07/14 10:36	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		03/07/14 10:36	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		03/07/14 10:36	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		03/07/14 10:36	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		03/07/14 10:36	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		03/07/14 10:36	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		03/07/14 10:36	1634-04-4	
Styrene	ND	ug/L	5.0	1		03/07/14 10:36	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		03/07/14 10:36	79-34-5	
Tetrachloroethene	**183**	ug/L	5.0	1		03/07/14 10:36	127-18-4	
Toluene	ND	ug/L	5.0	1		03/07/14 10:36	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		03/07/14 10:36	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		03/07/14 10:36	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		03/07/14 10:36	79-00-5	
Trichloroethene	**4.8J**	ug/L	5.0	1		03/07/14 10:36	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		03/07/14 10:36	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		03/07/14 10:36	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		03/07/14 10:36	75-01-4	

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ANALYTICAL RESULTS

Project: E027035 / Allison Trans
Pace Project No.: 5093950

Sample: RW-0605-S3(022714) **Lab ID: 5093950014** Collected: 02/27/14 11:55 Received: 02/27/14 15:42 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		03/07/14 10:36	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	108	%.	79-116	1		03/07/14 10:36	1868-53-7	
4-Bromofluorobenzene (S)	98	%.	80-114	1		03/07/14 10:36	460-00-4	
Toluene-d8 (S)	110	%.	81-110	1		03/07/14 10:36	2037-26-5	

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ANALYTICAL RESULTS

Project: E027035 / Allison Trans
Pace Project No.: 5093950

Sample: Trip Blank **Lab ID: 5093950015** Collected: 02/27/14 08:00 Received: 02/27/14 15:42 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		03/07/14 11:47	67-64-1	
Benzene	ND	ug/L	5.0	1		03/07/14 11:47	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		03/07/14 11:47	75-27-4	
Bromoform	ND	ug/L	5.0	1		03/07/14 11:47	75-25-2	
Bromomethane	ND	ug/L	5.0	1		03/07/14 11:47	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		03/07/14 11:47	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		03/07/14 11:47	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		03/07/14 11:47	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		03/07/14 11:47	108-90-7	
Chloroethane	ND	ug/L	5.0	1		03/07/14 11:47	75-00-3	
Chloroform	ND	ug/L	5.0	1		03/07/14 11:47	67-66-3	
Chloromethane	ND	ug/L	5.0	1		03/07/14 11:47	74-87-3	
Cyclohexane	ND	ug/L	100	1		03/07/14 11:47	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		03/07/14 11:47	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		03/07/14 11:47	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		03/07/14 11:47	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		03/07/14 11:47	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		03/07/14 11:47	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		03/07/14 11:47	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		03/07/14 11:47	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		03/07/14 11:47	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		03/07/14 11:47	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		03/07/14 11:47	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		03/07/14 11:47	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		03/07/14 11:47	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		03/07/14 11:47	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		03/07/14 11:47	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		03/07/14 11:47	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		03/07/14 11:47	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		03/07/14 11:47	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		03/07/14 11:47	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		03/07/14 11:47	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		03/07/14 11:47	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		03/07/14 11:47	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		03/07/14 11:47	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		03/07/14 11:47	1634-04-4	
Styrene	ND	ug/L	5.0	1		03/07/14 11:47	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		03/07/14 11:47	79-34-5	
Tetrachloroethene	**2.8J**	ug/L	5.0	1		03/07/14 11:47	127-18-4	
Toluene	ND	ug/L	5.0	1		03/07/14 11:47	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		03/07/14 11:47	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		03/07/14 11:47	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		03/07/14 11:47	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		03/07/14 11:47	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		03/07/14 11:47	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		03/07/14 11:47	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		03/07/14 11:47	75-01-4	

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ANALYTICAL RESULTS

Project: E027035 / Allison Trans
Pace Project No.: 5093950

Sample: Trip Blank **Lab ID: 5093950015** Collected: 02/27/14 08:00 Received: 02/27/14 15:42 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		03/07/14 11:47	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	108	%.	79-116	1		03/07/14 11:47	1868-53-7	
4-Bromofluorobenzene (S)	95	%.	80-114	1		03/07/14 11:47	460-00-4	
Toluene-d8 (S)	109	%.	81-110	1		03/07/14 11:47	2037-26-5	

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QUALITY CONTROL DATA

Project: E027035 / Allison Trans
Pace Project No.: 5093950

QC Batch: MSV/62341 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 5093950001, 5093950002, 5093950003, 5093950004, 5093950005, 5093950006, 5093950007, 5093950008, 5093950009, 5093950010, 5093950013

METHOD BLANK: 1057220 Matrix: Water
Associated Lab Samples: 5093950001, 5093950002, 5093950003, 5093950004, 5093950005, 5093950006, 5093950007, 5093950008, 5093950009, 5093950010, 5093950013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	03/06/14 13:55	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	03/06/14 13:55	
1,1,2-Trichloroethane	ug/L	ND	5.0	03/06/14 13:55	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	5.0	03/06/14 13:55	
1,1-Dichloroethane	ug/L	ND	5.0	03/06/14 13:55	
1,1-Dichloroethene	ug/L	ND	5.0	03/06/14 13:55	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	03/06/14 13:55	
1,2-Dibromo-3-chloropropane	ug/L	ND	10.0	03/06/14 13:55	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	03/06/14 13:55	
1,2-Dichlorobenzene	ug/L	ND	5.0	03/06/14 13:55	
1,2-Dichloroethane	ug/L	ND	5.0	03/06/14 13:55	
1,2-Dichloropropane	ug/L	ND	5.0	03/06/14 13:55	
1,3-Dichlorobenzene	ug/L	ND	5.0	03/06/14 13:55	
1,4-Dichlorobenzene	ug/L	ND	5.0	03/06/14 13:55	
2-Butanone (MEK)	ug/L	ND	25.0	03/06/14 13:55	
2-Hexanone	ug/L	ND	25.0	03/06/14 13:55	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	03/06/14 13:55	
Acetone	ug/L	ND	100	03/06/14 13:55	
Benzene	ug/L	ND	5.0	03/06/14 13:55	
Bromodichloromethane	ug/L	ND	5.0	03/06/14 13:55	
Bromoform	ug/L	ND	5.0	03/06/14 13:55	
Bromomethane	ug/L	ND	5.0	03/06/14 13:55	
Carbon disulfide	ug/L	ND	10.0	03/06/14 13:55	
Carbon tetrachloride	ug/L	ND	5.0	03/06/14 13:55	
Chlorobenzene	ug/L	ND	5.0	03/06/14 13:55	
Chloroethane	ug/L	ND	5.0	03/06/14 13:55	
Chloroform	ug/L	ND	5.0	03/06/14 13:55	
Chloromethane	ug/L	ND	5.0	03/06/14 13:55	
cis-1,2-Dichloroethene	ug/L	ND	5.0	03/06/14 13:55	
cis-1,3-Dichloropropene	ug/L	ND	5.0	03/06/14 13:55	
Cyclohexane	ug/L	ND	100	03/06/14 13:55	N2
Dibromochloromethane	ug/L	ND	5.0	03/06/14 13:55	
Dichlorodifluoromethane	ug/L	ND	5.0	03/06/14 13:55	
Ethylbenzene	ug/L	ND	5.0	03/06/14 13:55	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	03/06/14 13:55	
Methyl acetate	ug/L	ND	50.0	03/06/14 13:55	N2
Methyl-tert-butyl ether	ug/L	ND	4.0	03/06/14 13:55	
Methylcyclohexane	ug/L	ND	50.0	03/06/14 13:55	N2
Methylene Chloride	ug/L	ND	5.0	03/06/14 13:55	
Styrene	ug/L	ND	5.0	03/06/14 13:55	
Tetrachloroethene	ug/L	ND	5.0	03/06/14 13:55	

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QUALITY CONTROL DATA

Project: E027035 / Allison Trans
Pace Project No.: 5093950

METHOD BLANK: 1057220 Matrix: Water
Associated Lab Samples: 5093950001, 5093950002, 5093950003, 5093950004, 5093950005, 5093950006, 5093950007, 5093950008, 5093950009, 5093950010, 5093950013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Toluene	ug/L	ND	5.0	03/06/14 13:55	
trans-1,2-Dichloroethene	ug/L	ND	5.0	03/06/14 13:55	
trans-1,3-Dichloropropene	ug/L	ND	5.0	03/06/14 13:55	
Trichloroethene	ug/L	ND	5.0	03/06/14 13:55	
Trichlorofluoromethane	ug/L	ND	5.0	03/06/14 13:55	
Vinyl chloride	ug/L	ND	2.0	03/06/14 13:55	
Xylene (Total)	ug/L	ND	10.0	03/06/14 13:55	
4-Bromofluorobenzene (S)	%.	100	80-114	03/06/14 13:55	
Dibromofluoromethane (S)	%.	97	79-116	03/06/14 13:55	
Toluene-d8 (S)	%.	110	81-110	03/06/14 13:55	

LABORATORY CONTROL SAMPLE: 1057221

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	49.0	98	71-129	
1,1,2,2-Tetrachloroethane	ug/L	50	55.3	111	66-126	
1,1,2-Trichloroethane	ug/L	50	53.3	107	77-130	
1,1,2-Trichlorotrifluoroethane	ug/L	50	47.9	96	68-139	
1,1-Dichloroethane	ug/L	50	50.9	102	75-130	
1,1-Dichloroethene	ug/L	50	49.2	98	68-127	
1,2,4-Trichlorobenzene	ug/L	50	52.9	106	68-131	
1,2-Dibromo-3-chloropropane	ug/L	50	48.6	97	64-124	
1,2-Dibromoethane (EDB)	ug/L	50	53.1	106	76-125	
1,2-Dichlorobenzene	ug/L	50	50.6	101	75-123	
1,2-Dichloroethane	ug/L	50	47.8	96	75-128	
1,2-Dichloropropane	ug/L	50	52.8	106	74-121	
1,3-Dichlorobenzene	ug/L	50	51.5	103	74-122	
1,4-Dichlorobenzene	ug/L	50	50.8	102	76-120	
2-Butanone (MEK)	ug/L	250	270	108	58-139	
2-Hexanone	ug/L	250	304	122	54-140	
4-Methyl-2-pentanone (MIBK)	ug/L	250	313	125	58-138	
Acetone	ug/L	250	240	96	49-150	
Benzene	ug/L	50	52.3	105	74-122	
Bromodichloromethane	ug/L	50	50.7	101	62-136	
Bromoform	ug/L	50	45.2	90	44-134	
Bromomethane	ug/L	50	59.7	119	22-181	
Carbon disulfide	ug/L	100	107	107	59-132	
Carbon tetrachloride	ug/L	50	48.1	96	56-137	
Chlorobenzene	ug/L	50	50.2	100	78-123	
Chloroethane	ug/L	50	55.0	110	60-144	
Chloroform	ug/L	50	48.4	97	78-126	
Chloromethane	ug/L	50	51.6	103	42-134	
cis-1,2-Dichloroethene	ug/L	50	52.8	106	75-122	
cis-1,3-Dichloropropene	ug/L	50	62.5	125	64-126	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: E027035 / Allison Trans
Pace Project No.: 5093950

LABORATORY CONTROL SAMPLE: 1057221

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyclohexane	ug/L	50	59.9J	120	62-119	L3,N2
Dibromochloromethane	ug/L	50	55.4	111	58-128	
Dichlorodifluoromethane	ug/L	50	45.7	91	35-181	
Ethylbenzene	ug/L	50	53.1	106	66-133	
Isopropylbenzene (Cumene)	ug/L	50	51.6	103	69-124	
Methyl acetate	ug/L	50	64.6	129	10-142	N2
Methyl-tert-butyl ether	ug/L	100	95.5	96	69-122	
Methylcyclohexane	ug/L	50	54.7	109	63-130	N2
Methylene Chloride	ug/L	50	47.9	96	68-132	
Styrene	ug/L	50	52.2	104	74-126	
Tetrachloroethene	ug/L	50	50.1	100	69-130	
Toluene	ug/L	50	54.9	110	72-122	
trans-1,2-Dichloroethene	ug/L	50	48.7	97	72-124	
trans-1,3-Dichloropropene	ug/L	50	54.6	109	64-121	
Trichloroethene	ug/L	50	51.0	102	76-126	
Trichlorofluoromethane	ug/L	50	44.6	89	76-149	
Vinyl chloride	ug/L	50	54.9	110	59-126	
Xylene (Total)	ug/L	150	155	103	70-124	
4-Bromofluorobenzene (S)	%.			100	80-114	
Dibromofluoromethane (S)	%.			96	79-116	
Toluene-d8 (S)	%.			108	81-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1057222 1057223

Parameter	Units	5093950002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	ND	50	50	51.9	50.4	104	101	60-138	3	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	55.3	55.1	111	110	55-128	0	20	
1,1,2-Trichloroethane	ug/L	ND	50	50	54.8	56.0	110	112	61-139	2	20	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	50	50	50.5	50.2	101	100	55-151	1	20	
1,1-Dichloroethane	ug/L	ND	50	50	53.7	54.0	107	108	57-147	1	20	
1,1-Dichloroethene	ug/L	ND	50	50	53.6	52.8	106	104	55-145	2	20	
1,2,4-Trichlorobenzene	ug/L	ND	50	50	54.8	53.4	110	107	25-143	3	20	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	50	45.7	45.3	91	91	37-130	1	20	
1,2-Dibromoethane (EDB)	ug/L	ND	50	50	55.6	55.1	111	110	63-129	1	20	
1,2-Dichlorobenzene	ug/L	ND	50	50	52.7	52.5	105	105	38-136	0	20	
1,2-Dichloroethane	ug/L	ND	50	50	50.7	49.9	101	100	62-138	2	20	
1,2-Dichloropropane	ug/L	ND	50	50	55.8	55.4	112	111	59-130	1	20	
1,3-Dichlorobenzene	ug/L	ND	50	50	54.4	53.5	109	107	28-141	2	20	
1,4-Dichlorobenzene	ug/L	ND	50	50	53.4	52.8	107	106	30-139	1	20	
2-Butanone (MEK)	ug/L	ND	250	250	272	272	109	109	37-156	0	20	
2-Hexanone	ug/L	ND	250	250	305	306	122	123	44-143	0	20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	250	315	321	126	128	46-144	2	20	
Acetone	ug/L	ND	250	250	254	245	102	98	39-156	4	20	
Benzene	ug/L	ND	50	50	54.9	54.4	110	109	62-129	1	20	
Bromodichloromethane	ug/L	ND	50	50	53.1	51.3	106	103	50-142	3	20	
Bromoform	ug/L	ND	50	50	44.1	44.2	88	88	36-125	0	20	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: E027035 / Allison Trans
Pace Project No.: 5093950

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1057222 1057223

Parameter	Units	5093950002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Bromomethane	ug/L	ND	50	50	65.8	66.4	132	133	13-179	1	20	
Carbon disulfide	ug/L	ND	100	100	113	111	113	111	45-142	2	20	
Carbon tetrachloride	ug/L	ND	50	50	50.5	50.1	101	100	46-142	1	20	
Chlorobenzene	ug/L	ND	50	50	52.1	52.1	104	104	49-136	0	20	
Chloroethane	ug/L	ND	50	50	58.3	56.9	117	114	47-160	2	20	
Chloroform	ug/L	ND	50	50	52.2	51.9	104	104	54-150	1	20	
Chloromethane	ug/L	ND	50	50	54.7	54.6	109	109	30-148	0	20	
cis-1,2-Dichloroethene	ug/L	34.9	50	50	87.8	87.6	106	106	60-135	0	20	
cis-1,3-Dichloropropene	ug/L	ND	50	50	62.4	61.8	125	124	52-123	1	20	M0
Cyclohexane	ug/L	ND	50	50	63.6J	62.4J	127	125	43-135		20	N2
Dibromochloromethane	ug/L	ND	50	50	55.4	55.1	111	110	48-125	0	20	
Dichlorodifluoromethane	ug/L	ND	50	50	47.6	45.9	95	92	24-197	4	20	
Ethylbenzene	ug/L	ND	50	50	55.5	55.6	111	111	28-153	0	20	
Isopropylbenzene (Cumene)	ug/L	ND	50	50	54.7	54.1	109	108	18-152	1	20	
Methyl acetate	ug/L	ND	50	50	63.6	66.2	127	132	10-125	4	20	M0,N2
Methyl-tert-butyl ether	ug/L	ND	100	100	101	99.8	101	100	63-130	1	20	
Methylcyclohexane	ug/L	ND	50	50	58.9	57.5	118	115	32-155	2	20	N2
Methylene Chloride	ug/L	ND	50	50	54.1	53.4	108	107	45-156	1	20	
Styrene	ug/L	ND	50	50	54.9	54.5	110	109	36-139	1	20	
Tetrachloroethene	ug/L	89.9	50	50	133	133	86	86	33-151	0	20	
Toluene	ug/L	ND	50	50	57.9	57.7	116	115	50-132	0	20	
trans-1,2-Dichloroethene	ug/L	ND	50	50	52.9	52.7	106	105	40-153	0	20	
trans-1,3-Dichloropropene	ug/L	ND	50	50	54.9	55.2	110	110	48-122	1	20	
Trichloroethene	ug/L	43.9	50	50	95.8	95.4	104	103	50-143	0	20	
Trichlorofluoromethane	ug/L	ND	50	50	48.1	47.0	96	94	60-175	2	20	
Vinyl chloride	ug/L	ND	50	50	58.7	57.4	117	115	44-145	2	20	
Xylene (Total)	ug/L	ND	150	150	163	162	108	108	29-145	0	20	
4-Bromofluorobenzene (S)	%.						98	100	80-114			
Dibromofluoromethane (S)	%.						97	97	79-116			
Toluene-d8 (S)	%.						108	110	81-110			

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QUALITY CONTROL DATA

Project: E027035 / Allison Trans
Pace Project No.: 5093950

QC Batch: MSV/62360 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 5093950011, 5093950012, 5093950014, 5093950015

METHOD BLANK: 1057360 Matrix: Water
Associated Lab Samples: 5093950011, 5093950012, 5093950014, 5093950015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	03/07/14 02:57	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	03/07/14 02:57	
1,1,2-Trichloroethane	ug/L	ND	5.0	03/07/14 02:57	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	5.0	03/07/14 02:57	
1,1-Dichloroethane	ug/L	ND	5.0	03/07/14 02:57	
1,1-Dichloroethene	ug/L	ND	5.0	03/07/14 02:57	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	03/07/14 02:57	
1,2-Dibromo-3-chloropropane	ug/L	ND	10.0	03/07/14 02:57	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	03/07/14 02:57	
1,2-Dichlorobenzene	ug/L	ND	5.0	03/07/14 02:57	
1,2-Dichloroethane	ug/L	ND	5.0	03/07/14 02:57	
1,2-Dichloropropane	ug/L	ND	5.0	03/07/14 02:57	
1,3-Dichlorobenzene	ug/L	ND	5.0	03/07/14 02:57	
1,4-Dichlorobenzene	ug/L	ND	5.0	03/07/14 02:57	
2-Butanone (MEK)	ug/L	ND	25.0	03/07/14 02:57	
2-Hexanone	ug/L	ND	25.0	03/07/14 02:57	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	03/07/14 02:57	
Acetone	ug/L	ND	100	03/07/14 02:57	
Benzene	ug/L	ND	5.0	03/07/14 02:57	
Bromodichloromethane	ug/L	ND	5.0	03/07/14 02:57	
Bromoform	ug/L	ND	5.0	03/07/14 02:57	
Bromomethane	ug/L	ND	5.0	03/07/14 02:57	
Carbon disulfide	ug/L	ND	10.0	03/07/14 02:57	
Carbon tetrachloride	ug/L	ND	5.0	03/07/14 02:57	
Chlorobenzene	ug/L	ND	5.0	03/07/14 02:57	
Chloroethane	ug/L	ND	5.0	03/07/14 02:57	
Chloroform	ug/L	ND	5.0	03/07/14 02:57	
Chloromethane	ug/L	ND	5.0	03/07/14 02:57	
cis-1,2-Dichloroethene	ug/L	ND	5.0	03/07/14 02:57	
cis-1,3-Dichloropropene	ug/L	ND	5.0	03/07/14 02:57	
Cyclohexane	ug/L	ND	100	03/07/14 02:57	N2
Dibromochloromethane	ug/L	ND	5.0	03/07/14 02:57	
Dichlorodifluoromethane	ug/L	ND	5.0	03/07/14 02:57	
Ethylbenzene	ug/L	ND	5.0	03/07/14 02:57	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	03/07/14 02:57	
Methyl acetate	ug/L	ND	50.0	03/07/14 02:57	N2
Methyl-tert-butyl ether	ug/L	ND	4.0	03/07/14 02:57	
Methylcyclohexane	ug/L	ND	50.0	03/07/14 02:57	N2
Methylene Chloride	ug/L	ND	5.0	03/07/14 02:57	
Styrene	ug/L	ND	5.0	03/07/14 02:57	
Tetrachloroethene	ug/L	ND	5.0	03/07/14 02:57	
Toluene	ug/L	ND	5.0	03/07/14 02:57	
trans-1,2-Dichloroethene	ug/L	ND	5.0	03/07/14 02:57	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: E027035 / Allison Trans
Pace Project No.: 5093950

METHOD BLANK: 1057360 Matrix: Water
Associated Lab Samples: 5093950011, 5093950012, 5093950014, 5093950015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
trans-1,3-Dichloropropene	ug/L	ND	5.0	03/07/14 02:57	
Trichloroethene	ug/L	ND	5.0	03/07/14 02:57	
Trichlorofluoromethane	ug/L	ND	5.0	03/07/14 02:57	
Vinyl chloride	ug/L	ND	2.0	03/07/14 02:57	
Xylene (Total)	ug/L	ND	10.0	03/07/14 02:57	
4-Bromofluorobenzene (S)	%.	98	80-114	03/07/14 02:57	
Dibromofluoromethane (S)	%.	101	79-116	03/07/14 02:57	
Toluene-d8 (S)	%.	109	81-110	03/07/14 02:57	

LABORATORY CONTROL SAMPLE: 1057361

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	50.8	102	71-129	
1,1,2,2-Tetrachloroethane	ug/L	50	54.2	108	66-126	
1,1,2-Trichloroethane	ug/L	50	53.4	107	77-130	
1,1,2-Trichlorotrifluoroethane	ug/L	50	49.4	99	68-139	
1,1-Dichloroethane	ug/L	50	52.3	105	75-130	
1,1-Dichloroethene	ug/L	50	50.0	100	68-127	
1,2,4-Trichlorobenzene	ug/L	50	48.8	98	68-131	
1,2-Dibromo-3-chloropropane	ug/L	50	46.0	92	64-124	
1,2-Dibromoethane (EDB)	ug/L	50	51.3	103	76-125	
1,2-Dichlorobenzene	ug/L	50	49.7	99	75-123	
1,2-Dichloroethane	ug/L	50	47.6	95	75-128	
1,2-Dichloropropane	ug/L	50	51.3	103	74-121	
1,3-Dichlorobenzene	ug/L	50	49.5	99	74-122	
1,4-Dichlorobenzene	ug/L	50	49.8	100	76-120	
2-Butanone (MEK)	ug/L	250	261	104	58-139	
2-Hexanone	ug/L	250	292	117	54-140	
4-Methyl-2-pentanone (MIBK)	ug/L	250	315	126	58-138	
Acetone	ug/L	250	237	95	49-150	
Benzene	ug/L	50	53.3	107	74-122	
Bromodichloromethane	ug/L	50	51.6	103	62-136	
Bromoform	ug/L	50	43.3	87	44-134	
Bromomethane	ug/L	50	49.0	98	22-181	
Carbon disulfide	ug/L	100	105	105	59-132	
Carbon tetrachloride	ug/L	50	49.1	98	56-137	
Chlorobenzene	ug/L	50	50.0	100	78-123	
Chloroethane	ug/L	50	53.4	107	60-144	
Chloroform	ug/L	50	50.2	100	78-126	
Chloromethane	ug/L	50	54.3	109	42-134	
cis-1,2-Dichloroethene	ug/L	50	54.0	108	75-122	
cis-1,3-Dichloropropene	ug/L	50	58.6	117	64-126	
Cyclohexane	ug/L	50	60.4J	121	62-119	L3,N2
Dibromochloromethane	ug/L	50	54.5	109	58-128	
Dichlorodifluoromethane	ug/L	50	48.8	98	35-181	

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QUALITY CONTROL DATA

Project: E027035 / Allison Trans
Pace Project No.: 5093950

LABORATORY CONTROL SAMPLE: 1057361

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Ethylbenzene	ug/L	50	52.9	106	66-133	
Isopropylbenzene (Cumene)	ug/L	50	52.2	104	69-124	
Methyl acetate	ug/L	50	57.5	115	10-142	N2
Methyl-tert-butyl ether	ug/L	100	97.7	98	69-122	
Methylcyclohexane	ug/L	50	54.1	108	63-130	N2
Methylene Chloride	ug/L	50	49.9	100	68-132	
Styrene	ug/L	50	52.9	106	74-126	
Tetrachloroethene	ug/L	50	49.2	98	69-130	
Toluene	ug/L	50	55.2	110	72-122	
trans-1,2-Dichloroethene	ug/L	50	50.8	102	72-124	
trans-1,3-Dichloropropene	ug/L	50	55.3	111	64-121	
Trichloroethene	ug/L	50	51.4	103	76-126	
Trichlorofluoromethane	ug/L	50	46.6	93	76-149	
Vinyl chloride	ug/L	50	54.5	109	59-126	
Xylene (Total)	ug/L	150	154	103	70-124	
4-Bromofluorobenzene (S)	%.			99	80-114	
Dibromofluoromethane (S)	%.			97	79-116	
Toluene-d8 (S)	%.			108	81-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1057362 1057363

Parameter	Units	5093939007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	ND	50	50	50.8	51.3	102	103	60-138	1	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	53.7	55.0	107	110	55-128	2	20	
1,1,2-Trichloroethane	ug/L	ND	50	50	55.3	56.7	111	113	61-139	3	20	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	50	50	50.1	51.5	100	103	55-151	3	20	
1,1-Dichloroethane	ug/L	ND	50	50	51.7	54.5	103	109	57-147	5	20	
1,1-Dichloroethene	ug/L	ND	50	50	51.5	52.4	103	105	55-145	2	20	
1,2,4-Trichlorobenzene	ug/L	ND	50	50	48.1	48.7	96	97	25-143	1	20	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	50	44.0	45.4	88	91	37-130	3	20	
1,2-Dibromoethane (EDB)	ug/L	ND	50	50	52.0	53.0	104	106	63-129	2	20	
1,2-Dichlorobenzene	ug/L	ND	50	50	49.6	51.5	99	103	38-136	4	20	
1,2-Dichloroethane	ug/L	ND	50	50	49.3	49.9	99	100	62-138	1	20	
1,2-Dichloropropane	ug/L	ND	50	50	53.1	53.5	106	107	59-130	1	20	
1,3-Dichlorobenzene	ug/L	ND	50	50	49.2	50.6	98	101	28-141	3	20	
1,4-Dichlorobenzene	ug/L	ND	50	50	49.1	51.0	98	102	30-139	4	20	
2-Butanone (MEK)	ug/L	ND	250	250	263	271	105	108	37-156	3	20	
2-Hexanone	ug/L	ND	250	250	295	297	118	119	44-143	0	20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	250	320	327	128	131	46-144	2	20	
Acetone	ug/L	ND	250	250	247	248	99	99	39-156	1	20	
Benzene	ug/L	ND	50	50	53.8	55.0	108	110	62-129	2	20	
Bromodichloromethane	ug/L	ND	50	50	51.8	52.6	104	105	50-142	2	20	
Bromoform	ug/L	ND	50	50	44.4	46.3	89	93	36-125	4	20	
Bromomethane	ug/L	ND	50	50	48.4	53.0	97	106	13-179	9	20	
Carbon disulfide	ug/L	ND	100	100	104	106	104	106	45-142	2	20	
Carbon tetrachloride	ug/L	ND	50	50	50.0	51.2	100	102	46-142	2	20	

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QUALITY CONTROL DATA

Project: E027035 / Allison Trans
Pace Project No.: 5093950

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1057362 1057363

Parameter	Units	5093939007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chlorobenzene	ug/L	ND	50	50	50.3	51.9	101	104	49-136	3	20	
Chloroethane	ug/L	ND	50	50	55.5	55.1	111	110	47-160	1	20	
Chloroform	ug/L	ND	50	50	51.3	51.5	103	103	54-150	0	20	
Chloromethane	ug/L	ND	50	50	55.9	53.9	112	108	30-148	4	20	
cis-1,2-Dichloroethene	ug/L	ND	50	50	53.8	54.3	108	109	60-135	1	20	
cis-1,3-Dichloropropene	ug/L	ND	50	50	56.4	58.3	113	117	52-123	3	20	
Cyclohexane	ug/L	ND	50	50	60.4J	62.8J	121	126	43-135		20	N2
Dibromochloromethane	ug/L	ND	50	50	55.3	55.7	111	111	48-125	1	20	
Dichlorodifluoromethane	ug/L	ND	50	50	47.8	47.3	96	95	24-197	1	20	
Ethylbenzene	ug/L	ND	50	50	52.8	54.5	106	109	28-153	3	20	
Isopropylbenzene (Cumene)	ug/L	ND	50	50	51.2	52.8	102	106	18-152	3	20	
Methyl acetate	ug/L	ND	50	50	45.0J	43.3J	90	87	10-125		20	N2
Methyl-tert-butyl ether	ug/L	ND	100	100	97.3	100	97	100	63-130	3	20	
Methylcyclohexane	ug/L	ND	50	50	55.6	56.2	111	112	32-155	1	20	N2
Methylene Chloride	ug/L	ND	50	50	52.6	54.6	105	109	45-156	4	20	
Styrene	ug/L	ND	50	50	52.5	53.1	105	106	36-139	1	20	
Tetrachloroethene	ug/L	ND	50	50	48.9	50.1	98	100	33-151	3	20	
Toluene	ug/L	ND	50	50	55.8	57.5	112	115	50-132	3	20	
trans-1,2-Dichloroethene	ug/L	ND	50	50	49.2	51.5	98	103	40-153	5	20	
trans-1,3-Dichloropropene	ug/L	ND	50	50	53.7	54.5	107	109	48-122	2	20	
Trichloroethene	ug/L	ND	50	50	51.7	53.4	103	107	50-143	3	20	
Trichlorofluoromethane	ug/L	ND	50	50	46.9	48.0	94	96	60-175	2	20	
Vinyl chloride	ug/L	ND	50	50	55.0	55.9	110	112	44-145	1	20	
Xylene (Total)	ug/L	ND	150	150	153	157	102	105	29-145	3	20	
4-Bromofluorobenzene (S)	%.						100	99	80-114			
Dibromofluoromethane (S)	%.						98	97	79-116			
Toluene-d8 (S)	%.						109	108	81-110			

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: E027035 / Allison Trans
Pace Project No.: 5093950

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

1d	Benzene ND at an estimated RL of 5 ug/L based on the MDL. grm 3-7-14
D4	Sample was diluted due to the presence of high levels of target analytes.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
N2	The lab does not hold TNI accreditation for this parameter.
S3	Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: E027035 / Allison Trans
Pace Project No.: 5093950

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
5093950001	RW-0604-S3(022714)	EPA 8260	MSV/62341		
5093950002	RW-0604-S2B(022714)	EPA 8260	MSV/62341		
5093950003	RW-0501-S3(022714)	EPA 8260	MSV/62341		
5093950004	RW-0501-S2B(022714)	EPA 8260	MSV/62341		
5093950005	RW-0602-S3(022714)	EPA 8260	MSV/62341		
5093950006	RW-0602-S2A/S2B(022714)	EPA 8260	MSV/62341		
5093950007	RW-0502-S2B(022714)	EPA 8260	MSV/62341		
5093950008	RW-0603-S3(022714)	EPA 8260	MSV/62341		
5093950009	RW-1301-S2(022714)	EPA 8260	MSV/62341		
5093950010	RW-0201-S2A(022714)	EPA 8260	MSV/62341		
5093950011	RW-0202-S2A(022714)	EPA 8260	MSV/62360		
5093950012	RW-0203-S2A(022714)	EPA 8260	MSV/62360		
5093950013	RW-0204-S2A/0205-S2A(022714)	EPA 8260	MSV/62341		
5093950014	RW-0605-S3(022714)	EPA 8260	MSV/62360		
5093950015	Trip Blank	EPA 8260	MSV/62360		

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GM REALM ENCORE

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

PAGE 1 OF 1

√ TMS

ID # Nº 09485

SSOW Ref. Code: E027035

Required Client Information:

Company: Arcadis	Report To: E. Moosbrugger
Address: 132 E. Washington St #620	Copy To: S. Fisher
	Invoice To: Corporate
Indpls, IN 46204	P.O.: IN000473.0019.00007
Phone: 317-231-6500	Project Name: Allison Trans
Fax: x6514	Project Number: IN473.197
E-mail: Eric.Moosbrugger@Arcadis-US.com	

Laboratory: Pace Analytical	
Laboratory Location: Indpls, IN	
Laboratory Contact:	
Requested Due Date:	TAT: Std.
QA/QC Requirements:	

Valid Matrix Codes: WG Groundwater; WB Borehole Water; WS Surface Water; SO Soil; SE Sediment; See Back for Additional Codes

	Sample Identification:	Matrix Code	Date Collected	Time Collected	# Containers	Preservative: Unpreserved	HCl	H2SO4	HNO3	NaOH	Other:	Analysis and Method: VOCs	Remarks/Lab ID
1.	RW-0604-S3(022714)	GWINF	27Feb14	1100	3		3					3	001
2.	RW-0604-S2B(022714)	GWINF	27Feb14	1105	3		3					3	002
3.	RW-0501-S3(022714)	GWINF	27Feb14	1110	3		3					3	003
4.	RW-0501-S2B(022714)	GWINF	27Feb14	1112	3		3					3	004
5.	RW-0602-S3(022714)	GWINF	27Feb14	1115	3		3					3	005
6.	RW-0602-S2A/S2B(022714)	GWINF	27Feb14	1118	3		3					3	006
7.	RW-0502-S2B(022714)	GWINF	27Feb14	1120	3		3					3	007
8.	RW-0603-S3(022714)	GWINF	27Feb14	1122	3		3					3	008
9.	RW-1301-S2(022714)	GWINF	27Feb14	1125	3		3					3	009
10.	RW-0201-S2A(022714)	GWINF	27Feb14	1145	3		3					3	010
11.	RW-0202-S2A(022714)	GWINF	27Feb14	1148	3		3					3	011
12.	RW-0203-S2A(022714)	GWINF	27Feb14	1150	3		3					3	012
13.	RW-0204-S2A/0205-S2A(022714)	GWINF	27Feb14	1152	3		3					3	013
14.	RW-0605-S3(022714)	GWINF	27Feb14	1155	3		3					3	014
15.	TRIP BLANK	-	-	-	3		3					3	015
	TOTAL NUMBER OF CONTAINERS												

5093980

Reference 23 Page 569

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY / AFFILIATION	DATE	TIME	RECEIVED BY / AFFILIATION	DATE	TIME
HAND	1	/Arcadis	2/27/14	15:42	Marcia Bernott/Pace	2/27/14	15:4
AIRBILL NO.							

Sample Condition

Temp in °C	6.2
Received on Ice	(Y)/N
Sealed Cooler	Y/N
Samples Intact	Y/N

Additional Comments:

Client w/ice

Sampler Name: Chad Buttrum

Sampler Signature: Date: 2-27-14

Distribution: WHITE - Fully Executed Copy YELLOW - Receiving Laboratory Copy PINK - Sampler Copy

REV. 0 (6/04)

Sample Condition Upon Receipt

Pace Analytical

Client Name: Arcadis Project # 5093950

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☑ Client ☐ Commercial ☐ Pace Other _____

Tracking #: _____

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☑ no

Date/Time 5035A kits placed in freezer: _____

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ None ☑ Other Foam

Thermometer Used 1 2 3 4 6 (A) B C D E Type of Ice: (Wet) Blue None ☑ Samples on ice, cooling process has begun

Cooler Temperature (Corrected, if applicable) 1.2°C Ice Visible In Sample Containers: ☐ yes ☑ no

Temp should be above freezing to 6°C

Date and Initials of person examining contents: MB 2/27/14

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Short Hold Time Analysis (<72hr):	☐Yes ☐No ☑N/A	5.
Rush Turn Around Time Requested:	☐Yes ☐No ☑N/A	6.
Containers Intact:	☑Yes ☐No ☐N/A	7.
Sample Labels match COC: -Includes date/time/ID/Analysis	☑Yes ☐No ☐N/A	8.
All containers needing acid/base pres. have been checked? exceptions: VOA, coliform, TOC, O&G	☐Yes ☐No ☑N/A	9. (Circle) HNO3 H2SO4 NaOH HCl
All containers needing preservation are found to be in compliance with EPA recommendation (<2, >9, >12) unless otherwise noted.		
Headspace in VOA Vials (>6mm):	☐Yes ☑No ☐N/A	10.
Trip Blank Present:	☑Yes ☐No ☐N/A	11.
Trip Blank Custody Seals Present	☑Yes ☐No ☐N/A	
Project Manager Review		
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	12.
Sufficient Volume:	☑Yes ☐No ☐N/A	13.
Correct Containers Used:	☑Yes ☐No ☐N/A	14.

Client Notification/ Resolution: _____ Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: [signature] Date: 2/25/14

Form F-IN-Q-290-rev.05, 10Sep2013

Sample Container Count

CLIENT: Arcadis

COC PAGE 1 of 1
COC ID# 09485

Project # 6093952

Sample Line Item	DG9H	AG1U	WGFU	AG0U	R	4 / 6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H			pH <2	pH>12	Comments
1	3																		
2	3																		
3	3																		
4	3																		
5	3																		
6	3																		
7	3																		
8	3																		
9	3																		
10	3																		
11	3																		
12	3																		

Container Codes

DG9H	40mL HCL amber voa vial	AG0U	100mL unpreserved amber gl	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber gla	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	I	Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber g	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber g	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gl	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plasti	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

Sample Container Count

CLIENT: Arcadis

COC PAGE 1 of 1
COC ID# 09485

Project # 933950

Sample Line Item	DG9H	AG1U	WGFU	AG0U	R	4/6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H			pH <2	pH>12	Comments
13	3																		
14	3																		
15	3																		
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

Container Codes

DG9H	40mL HCL amber voa vial	AG0U	100mL unpreserved amber gl	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber gla	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber g	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	I	Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber g	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber g	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gl	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plasti	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

Pace Analytical Services, Inc.
1233 Dublin Road
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Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

April 21, 2014

Ms. Susan Scrocchi
Conestoga-Rovers and Associates
2055 Niagara Falls Blvd
Suite 2
Niagara Falls, NY 14304

RE: Project: E027039 / Allison Trans
Pace Project No.: 5095657

Dear Ms. Scrocchi:
Enclosed are the analytical results for sample(s) received by the laboratory on April 03, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Donna S. Spyker

Donna Spyker
donna.spyker@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Indiana Certification IDs
7726 Moller Road, Indianapolis, IN 46268
Illinois Certification #: 200074
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky UST Certification #: 0042
Louisiana/NELAP Certification #: 04076
Ohio VAP Certification #: CL-0065
Pennsylvania Certification #: 68-04991
West Virginia Certification #: 330

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5095657001	TB-01(040314)	Water	04/03/14 08:00	04/03/14 14:45
5095657002	MW-1302-S2(040314)	Water	04/03/14 08:35	04/03/14 14:45
5095657003	MW-1301-S2(040314)	Water	04/03/14 08:45	04/03/14 14:45
5095657004	MW-1206-S2(040314)	Water	04/03/14 08:50	04/03/14 14:45
5095657005	MW-1205-S2(040314)	Water	04/03/14 09:20	04/03/14 14:45
5095657006	MW-1204-S2(040314)	Water	04/03/14 09:25	04/03/14 14:45
5095657007	MW-1202-S2(040314)	Water	04/03/14 09:30	04/03/14 14:45
5095657008	FD-1(040314)-LM	Water	04/03/14 08:00	04/03/14 14:45
5095657009	MW-1207-S2(040314)	Water	04/03/14 09:35	04/03/14 14:45
5095657010	MW-1203-S2(040314)	Water	04/03/14 09:40	04/03/14 14:45
5095657011	MW-0102-S2(040314)	Water	04/03/14 11:25	04/03/14 14:45
5095657012	MW-0818-S3(040314)	Water	04/03/14 11:30	04/03/14 14:45
5095657013	MW-1306-S2(040314)	Water	04/03/14 11:35	04/03/14 14:45
5095657014	MW-0414-S2A/S2B(040314)	Water	04/03/14 11:40	04/03/14 14:45
5095657015	FD-2(040314)-LM	Water	04/03/14 08:00	04/03/14 14:45
5095657016	MW-0416-S2A(040314)	Water	04/03/14 11:45	04/03/14 14:45
5095657017	EB-1(040314)-LM	Water	04/03/14 11:50	04/03/14 14:45
5095657018	MW-0421-S2(040314)	Water	04/03/14 12:20	04/03/14 14:45
5095657019	MW-0819-S2B(040314)	Water	04/03/14 12:25	04/03/14 14:45
5095657020	MW-0420-S2A(040314)	Water	04/03/14 12:30	04/03/14 14:45
5095657021	EB-2(040314)-LM	Water	04/03/14 12:40	04/03/14 14:45
5095657022	MW-0419-S2B(040314)	Water	04/03/14 13:00	04/03/14 14:45
5095657023	MW-24-S2A(040314)	Water	04/03/14 13:10	04/03/14 14:45
5095657024	MW-1307-S2(040314)	Water	04/03/14 13:15	04/03/14 14:45
5095657025	TB-1-(040314)-AO	Water	04/03/14 08:00	04/03/14 14:45
5095657026	MW-0418-S3(040314)	Water	04/03/14 08:50	04/03/14 14:45
5095657027	MW-0426-S2B(040314)	Water	04/03/14 09:05	04/03/14 14:45
5095657028	MW-0404-S2B(040314)	Water	04/03/14 09:30	04/03/14 14:45
5095657029	MW-0904-S2B(040314)	Water	04/03/14 09:45	04/03/14 14:45
5095657030	MW-0417-S3(040314)	Water	04/03/14 10:00	04/03/14 14:45
5095657031	MW-0108-S2B(040314)	Water	04/03/14 10:15	04/03/14 14:45
5095657032	MW-0409-S3(040314)	Water	04/03/14 10:25	04/03/14 14:45
5095657033	MW-0202-S2B(040314)	Water	04/03/14 11:00	04/03/14 14:45
5095657034	MW-S2-0601(040314)	Water	04/03/14 11:55	04/03/14 14:45
5095657035	MW-S3-0601(040314)	Water	04/03/14 12:10	04/03/14 14:45
5095657036	MW-S2A-0501(040314)	Water	04/03/14 12:15	04/03/14 14:45
5095657037	MW-S2B-0501(040314)	Water	04/03/14 12:25	04/03/14 14:45

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Indianapolis, IN 46268
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SAMPLE SUMMARY

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5095657038	MW-S3-0501(040314)	Water	04/03/14 12:35	04/03/14 14:45
5095657039	MW-0406-S2B(040314)	Water	04/03/14 12:45	04/03/14 14:45
5095657040	MW-0817-S2B(040314)	Water	04/03/14 12:55	04/03/14 14:45
5095657041	MW-0817-S3(040314)	Water	04/03/14 13:05	04/03/14 14:45
5095657042	MW-1305-S2(040314)	Water	04/03/14 13:20	04/03/14 14:45

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SAMPLE ANALYTE COUNT

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Lab ID	Sample ID	Method	Analysts	Analytes Reported
5095657001	TB-01(040314)	EPA 8260	AMV	51
5095657002	MW-1302-S2(040314)	EPA 8260	AMV	51
5095657003	MW-1301-S2(040314)	EPA 8260	AMV	51
5095657004	MW-1206-S2(040314)	EPA 8260	AMV	51
5095657005	MW-1205-S2(040314)	EPA 8260	AMV	51
5095657006	MW-1204-S2(040314)	EPA 8260	AMV	51
5095657007	MW-1202-S2(040314)	EPA 8260	AMV	51
5095657008	FD-1(040314)-LM	EPA 8260	AMV	51
5095657009	MW-1207-S2(040314)	EPA 8260	AMV	51
5095657010	MW-1203-S2(040314)	EPA 8260	AMV	51
5095657011	MW-0102-S2(040314)	EPA 8260	AMV	51
5095657012	MW-0818-S3(040314)	EPA 8260	AMV	51
5095657013	MW-1306-S2(040314)	EPA 8260	AMV	51
5095657014	MW-0414-S2A/S2B(040314)	EPA 8260	AMV	51
5095657015	FD-2(040314)-LM	EPA 8260	AMV	51
5095657016	MW-0416-S2A(040314)	EPA 8260	AMV	51
5095657017	EB-1(040314)-LM	EPA 8260	AMV	51
5095657018	MW-0421-S2(040314)	EPA 8260	AMV	51
5095657019	MW-0819-S2B(040314)	EPA 8260	AMV	51
5095657020	MW-0420-S2A(040314)	EPA 8260	AMV	51
5095657021	EB-2(040314)-LM	EPA 8260	AMV	51
5095657022	MW-0419-S2B(040314)	EPA 8260	AMV	51
5095657023	MW-24-S2A(040314)	EPA 8260	AMV	51
5095657024	MW-1307-S2(040314)	EPA 8260	AMV	51
5095657025	TB-1-(040314)-AO	EPA 8260	AMV	51
5095657026	MW-0418-S3(040314)	EPA 8260	AMV, GRM	51
5095657027	MW-0426-S2B(040314)	EPA 8260	AMV	51
5095657028	MW-0404-S2B(040314)	EPA 8260	AMV	51
5095657029	MW-0904-S2B(040314)	EPA 8260	AMV	51
5095657030	MW-0417-S3(040314)	EPA 8260	AMV	51
5095657031	MW-0108-S2B(040314)	EPA 8260	AMV	51
5095657032	MW-0409-S3(040314)	EPA 8260	AMV	51
5095657033	MW-0202-S2B(040314)	EPA 8260	AMV	51
5095657034	MW-S2-0601(040314)	EPA 8260	BJG	50
5095657035	MW-S3-0601(040314)	EPA 8260	BJG	50
5095657036	MW-S2A-0501(040314)	EPA 8260	AMV	51
5095657037	MW-S2B-0501(040314)	EPA 8260	BJG	50

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SAMPLE ANALYTE COUNT

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Lab ID	Sample ID	Method	Analysts	Analytes Reported
5095657038	MW-S3-0501(040314)	EPA 8260	AMV	51
5095657039	MW-0406-S2B(040314)	EPA 8260	BJG	50
5095657040	MW-0817-S2B(040314)	EPA 8260	AMV	51
5095657041	MW-0817-S3(040314)	EPA 8260	AMV	51
5095657042	MW-1305-S2(040314)	EPA 8260	BJG	50

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: TB-01(040314) **Lab ID: 5095657001** Collected: 04/03/14 08:00 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		04/16/14 17:01	67-64-1	
Benzene	ND	ug/L	5.0	1		04/16/14 17:01	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/16/14 17:01	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/16/14 17:01	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/16/14 17:01	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/16/14 17:01	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/16/14 17:01	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/16/14 17:01	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/16/14 17:01	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/16/14 17:01	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/16/14 17:01	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/16/14 17:01	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/16/14 17:01	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		04/16/14 17:01	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/16/14 17:01	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/16/14 17:01	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/16/14 17:01	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/16/14 17:01	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/16/14 17:01	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/16/14 17:01	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/16/14 17:01	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/16/14 17:01	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/16/14 17:01	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		04/16/14 17:01	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/16/14 17:01	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/16/14 17:01	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/16/14 17:01	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/16/14 17:01	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/16/14 17:01	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/16/14 17:01	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/16/14 17:01	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/16/14 17:01	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		04/16/14 17:01	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		04/16/14 17:01	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/16/14 17:01	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/16/14 17:01	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/16/14 17:01	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/16/14 17:01	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/16/14 17:01	127-18-4	
Toluene	ND	ug/L	5.0	1		04/16/14 17:01	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/16/14 17:01	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/16/14 17:01	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/16/14 17:01	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/16/14 17:01	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/16/14 17:01	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/16/14 17:01	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/16/14 17:01	75-01-4	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: TB-01(040314) **Lab ID: 5095657001** Collected: 04/03/14 08:00 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		04/16/14 17:01	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	95	%.	79-116	1		04/16/14 17:01	1868-53-7	
4-Bromofluorobenzene (S)	97	%.	80-114	1		04/16/14 17:01	460-00-4	
Toluene-d8 (S)	100	%.	81-110	1		04/16/14 17:01	2037-26-5	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: MW-1302-S2(040314) **Lab ID: 5095657002** Collected: 04/03/14 08:35 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	**79.4J**	ug/L	100	1		04/16/14 17:34	67-64-1	
Benzene	ND	ug/L	5.0	1		04/16/14 17:34	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/16/14 17:34	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/16/14 17:34	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/16/14 17:34	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/16/14 17:34	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/16/14 17:34	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/16/14 17:34	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/16/14 17:34	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/16/14 17:34	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/16/14 17:34	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/16/14 17:34	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/16/14 17:34	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		04/16/14 17:34	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/16/14 17:34	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/16/14 17:34	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/16/14 17:34	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/16/14 17:34	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/16/14 17:34	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/16/14 17:34	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/16/14 17:34	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/16/14 17:34	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/16/14 17:34	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		04/16/14 17:34	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/16/14 17:34	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/16/14 17:34	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/16/14 17:34	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/16/14 17:34	10061-02-6	
Ethylbenzene	**3.5J**	ug/L	5.0	1		04/16/14 17:34	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/16/14 17:34	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/16/14 17:34	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/16/14 17:34	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		04/16/14 17:34	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		04/16/14 17:34	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/16/14 17:34	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/16/14 17:34	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/16/14 17:34	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/16/14 17:34	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/16/14 17:34	127-18-4	
Toluene	ND	ug/L	5.0	1		04/16/14 17:34	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/16/14 17:34	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/16/14 17:34	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/16/14 17:34	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/16/14 17:34	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/16/14 17:34	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/16/14 17:34	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/16/14 17:34	75-01-4	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: MW-1302-S2(040314) **Lab ID: 5095657002** Collected: 04/03/14 08:35 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	**9.7J**	ug/L	10.0	1		04/16/14 17:34	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	96	%.	79-116	1		04/16/14 17:34	1868-53-7	
4-Bromofluorobenzene (S)	95	%.	80-114	1		04/16/14 17:34	460-00-4	
Toluene-d8 (S)	100	%.	81-110	1		04/16/14 17:34	2037-26-5	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: MW-1301-S2(040314) **Lab ID: 5095657003** Collected: 04/03/14 08:45 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		04/16/14 18:06	67-64-1	
Benzene	ND	ug/L	5.0	1		04/16/14 18:06	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/16/14 18:06	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/16/14 18:06	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/16/14 18:06	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/16/14 18:06	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/16/14 18:06	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/16/14 18:06	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/16/14 18:06	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/16/14 18:06	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/16/14 18:06	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/16/14 18:06	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/16/14 18:06	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		04/16/14 18:06	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/16/14 18:06	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/16/14 18:06	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/16/14 18:06	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/16/14 18:06	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/16/14 18:06	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/16/14 18:06	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/16/14 18:06	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/16/14 18:06	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/16/14 18:06	75-35-4	
cis-1,2-Dichloroethene	**8.5**	ug/L	5.0	1		04/16/14 18:06	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/16/14 18:06	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/16/14 18:06	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/16/14 18:06	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/16/14 18:06	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/16/14 18:06	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/16/14 18:06	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/16/14 18:06	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/16/14 18:06	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		04/16/14 18:06	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		04/16/14 18:06	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/16/14 18:06	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/16/14 18:06	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/16/14 18:06	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/16/14 18:06	79-34-5	
Tetrachloroethene	**3.2J**	ug/L	5.0	1		04/16/14 18:06	127-18-4	
Toluene	ND	ug/L	5.0	1		04/16/14 18:06	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/16/14 18:06	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/16/14 18:06	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/16/14 18:06	79-00-5	
Trichloroethene	**8.9**	ug/L	5.0	1		04/16/14 18:06	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/16/14 18:06	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/16/14 18:06	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/16/14 18:06	75-01-4	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: MW-1301-S2(040314) **Lab ID: 5095657003** Collected: 04/03/14 08:45 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	**11.7**	ug/L	10.0	1		04/16/14 18:06	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	95	%.	79-116	1		04/16/14 18:06	1868-53-7	
4-Bromofluorobenzene (S)	100	%.	80-114	1		04/16/14 18:06	460-00-4	
Toluene-d8 (S)	101	%.	81-110	1		04/16/14 18:06	2037-26-5	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: MW-1206-S2(040314) **Lab ID: 5095657004** Collected: 04/03/14 08:50 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	**79.7J**	ug/L	100	1		04/16/14 18:39	67-64-1	
Benzene	ND	ug/L	5.0	1		04/16/14 18:39	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/16/14 18:39	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/16/14 18:39	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/16/14 18:39	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/16/14 18:39	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/16/14 18:39	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/16/14 18:39	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/16/14 18:39	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/16/14 18:39	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/16/14 18:39	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/16/14 18:39	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/16/14 18:39	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		04/16/14 18:39	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/16/14 18:39	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/16/14 18:39	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/16/14 18:39	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/16/14 18:39	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/16/14 18:39	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/16/14 18:39	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/16/14 18:39	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/16/14 18:39	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/16/14 18:39	75-35-4	
cis-1,2-Dichloroethene	**3.3J**	ug/L	5.0	1		04/16/14 18:39	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/16/14 18:39	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/16/14 18:39	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/16/14 18:39	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/16/14 18:39	10061-02-6	
Ethylbenzene	**6.2**	ug/L	5.0	1		04/16/14 18:39	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/16/14 18:39	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/16/14 18:39	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/16/14 18:39	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		04/16/14 18:39	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		04/16/14 18:39	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/16/14 18:39	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/16/14 18:39	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/16/14 18:39	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/16/14 18:39	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/16/14 18:39	127-18-4	
Toluene	ND	ug/L	5.0	1		04/16/14 18:39	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/16/14 18:39	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/16/14 18:39	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/16/14 18:39	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/16/14 18:39	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/16/14 18:39	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/16/14 18:39	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/16/14 18:39	75-01-4	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: MW-1206-S2(040314) **Lab ID: 5095657004** Collected: 04/03/14 08:50 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	**17.5**	ug/L	10.0	1		04/16/14 18:39	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	95	%.	79-116	1		04/16/14 18:39	1868-53-7	
4-Bromofluorobenzene (S)	98	%.	80-114	1		04/16/14 18:39	460-00-4	
Toluene-d8 (S)	100	%.	81-110	1		04/16/14 18:39	2037-26-5	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: MW-1205-S2(040314) **Lab ID: 5095657005** Collected: 04/03/14 09:20 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		04/16/14 19:12	67-64-1	
Benzene	ND	ug/L	5.0	1		04/16/14 19:12	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/16/14 19:12	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/16/14 19:12	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/16/14 19:12	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/16/14 19:12	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/16/14 19:12	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/16/14 19:12	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/16/14 19:12	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/16/14 19:12	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/16/14 19:12	67-66-3	
Chloromethane	**2.6J**	ug/L	5.0	1		04/16/14 19:12	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/16/14 19:12	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		04/16/14 19:12	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/16/14 19:12	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/16/14 19:12	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/16/14 19:12	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/16/14 19:12	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/16/14 19:12	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/16/14 19:12	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/16/14 19:12	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/16/14 19:12	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/16/14 19:12	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		04/16/14 19:12	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/16/14 19:12	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/16/14 19:12	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/16/14 19:12	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/16/14 19:12	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/16/14 19:12	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/16/14 19:12	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/16/14 19:12	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/16/14 19:12	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		04/16/14 19:12	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		04/16/14 19:12	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/16/14 19:12	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/16/14 19:12	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/16/14 19:12	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/16/14 19:12	79-34-5	
Tetrachloroethene	**2.4J**	ug/L	5.0	1		04/16/14 19:12	127-18-4	
Toluene	ND	ug/L	5.0	1		04/16/14 19:12	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/16/14 19:12	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/16/14 19:12	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/16/14 19:12	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/16/14 19:12	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/16/14 19:12	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/16/14 19:12	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/16/14 19:12	75-01-4	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: MW-1205-S2(040314) **Lab ID: 5095657005** Collected: 04/03/14 09:20 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		04/16/14 19:12	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	96	%.	79-116	1		04/16/14 19:12	1868-53-7	
4-Bromofluorobenzene (S)	96	%.	80-114	1		04/16/14 19:12	460-00-4	
Toluene-d8 (S)	99	%.	81-110	1		04/16/14 19:12	2037-26-5	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: MW-1204-S2(040314) **Lab ID: 5095657006** Collected: 04/03/14 09:25 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	**75.0J**	ug/L	100	1		04/16/14 19:44	67-64-1	
Benzene	ND	ug/L	5.0	1		04/16/14 19:44	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/16/14 19:44	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/16/14 19:44	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/16/14 19:44	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/16/14 19:44	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/16/14 19:44	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/16/14 19:44	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/16/14 19:44	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/16/14 19:44	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/16/14 19:44	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/16/14 19:44	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/16/14 19:44	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		04/16/14 19:44	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/16/14 19:44	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/16/14 19:44	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/16/14 19:44	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/16/14 19:44	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/16/14 19:44	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/16/14 19:44	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/16/14 19:44	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/16/14 19:44	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/16/14 19:44	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		04/16/14 19:44	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/16/14 19:44	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/16/14 19:44	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/16/14 19:44	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/16/14 19:44	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/16/14 19:44	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/16/14 19:44	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/16/14 19:44	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/16/14 19:44	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		04/16/14 19:44	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		04/16/14 19:44	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/16/14 19:44	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/16/14 19:44	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/16/14 19:44	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/16/14 19:44	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/16/14 19:44	127-18-4	
Toluene	ND	ug/L	5.0	1		04/16/14 19:44	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/16/14 19:44	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/16/14 19:44	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/16/14 19:44	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/16/14 19:44	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/16/14 19:44	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/16/14 19:44	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/16/14 19:44	75-01-4	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: MW-1204-S2(040314) **Lab ID: 5095657006** Collected: 04/03/14 09:25 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		04/16/14 19:44	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	96	%.	79-116	1		04/16/14 19:44	1868-53-7	
4-Bromofluorobenzene (S)	97	%.	80-114	1		04/16/14 19:44	460-00-4	
Toluene-d8 (S)	99	%.	81-110	1		04/16/14 19:44	2037-26-5	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: MW-1202-S2(040314) **Lab ID: 5095657007** Collected: 04/03/14 09:30 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		04/17/14 15:26	67-64-1	
Benzene	ND	ug/L	5.0	1		04/17/14 15:26	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/17/14 15:26	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/17/14 15:26	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/17/14 15:26	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/17/14 15:26	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/17/14 15:26	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/17/14 15:26	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/17/14 15:26	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/17/14 15:26	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/17/14 15:26	67-66-3	
Chloromethane	**2.6J**	ug/L	5.0	1		04/17/14 15:26	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/17/14 15:26	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		04/17/14 15:26	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/17/14 15:26	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/17/14 15:26	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 15:26	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 15:26	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 15:26	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/17/14 15:26	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/17/14 15:26	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/17/14 15:26	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/17/14 15:26	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		04/17/14 15:26	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/17/14 15:26	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/17/14 15:26	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/17/14 15:26	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/17/14 15:26	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/17/14 15:26	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/17/14 15:26	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/17/14 15:26	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/17/14 15:26	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		04/17/14 15:26	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		04/17/14 15:26	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/17/14 15:26	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/17/14 15:26	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/17/14 15:26	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/17/14 15:26	79-34-5	
Tetrachloroethene	**3.7J**	ug/L	5.0	1		04/17/14 15:26	127-18-4	
Toluene	ND	ug/L	5.0	1		04/17/14 15:26	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/17/14 15:26	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/17/14 15:26	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/17/14 15:26	79-00-5	
Trichloroethene	**1.0J**	ug/L	5.0	1		04/17/14 15:26	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/17/14 15:26	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/17/14 15:26	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/17/14 15:26	75-01-4	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: MW-1202-S2(040314) **Lab ID: 5095657007** Collected: 04/03/14 09:30 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		04/17/14 15:26	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	69	%.	79-116	1		04/17/14 15:26	1868-53-7	S0
4-Bromofluorobenzene (S)	58	%.	80-114	1		04/17/14 15:26	460-00-4	S0
Toluene-d8 (S)	151	%.	81-110	1		04/17/14 15:26	2037-26-5	S0

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: FD-1(040314)-LM **Lab ID: 5095657008** Collected: 04/03/14 08:00 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		04/17/14 03:24	67-64-1	
Benzene	ND	ug/L	5.0	1		04/17/14 03:24	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/17/14 03:24	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/17/14 03:24	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/17/14 03:24	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/17/14 03:24	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/17/14 03:24	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/17/14 03:24	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/17/14 03:24	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/17/14 03:24	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/17/14 03:24	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/17/14 03:24	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/17/14 03:24	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		04/17/14 03:24	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/17/14 03:24	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/17/14 03:24	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 03:24	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 03:24	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 03:24	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/17/14 03:24	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/17/14 03:24	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/17/14 03:24	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/17/14 03:24	75-35-4	
cis-1,2-Dichloroethene	**4.4J**	ug/L	5.0	1		04/17/14 03:24	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/17/14 03:24	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/17/14 03:24	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/17/14 03:24	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/17/14 03:24	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/17/14 03:24	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/17/14 03:24	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/17/14 03:24	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/17/14 03:24	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		04/17/14 03:24	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		04/17/14 03:24	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/17/14 03:24	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/17/14 03:24	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/17/14 03:24	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/17/14 03:24	79-34-5	
Tetrachloroethene	**49.7**	ug/L	5.0	1		04/17/14 03:24	127-18-4	
Toluene	ND	ug/L	5.0	1		04/17/14 03:24	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/17/14 03:24	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/17/14 03:24	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/17/14 03:24	79-00-5	
Trichloroethene	**20.9**	ug/L	5.0	1		04/17/14 03:24	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/17/14 03:24	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/17/14 03:24	76-13-1	
Vinyl chloride	**1.1J**	ug/L	2.0	1		04/17/14 03:24	75-01-4	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: FD-1(040314)-LM **Lab ID: 5095657008** Collected: 04/03/14 08:00 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		04/17/14 03:24	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	96	%.	79-116	1		04/17/14 03:24	1868-53-7	
4-Bromofluorobenzene (S)	98	%.	80-114	1		04/17/14 03:24	460-00-4	
Toluene-d8 (S)	100	%.	81-110	1		04/17/14 03:24	2037-26-5	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: MW-1207-S2(040314) **Lab ID: 5095657009** Collected: 04/03/14 09:35 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	**82.6J**	ug/L	100	1		04/17/14 03:57	67-64-1	
Benzene	ND	ug/L	5.0	1		04/17/14 03:57	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/17/14 03:57	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/17/14 03:57	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/17/14 03:57	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/17/14 03:57	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/17/14 03:57	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/17/14 03:57	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/17/14 03:57	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/17/14 03:57	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/17/14 03:57	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/17/14 03:57	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/17/14 03:57	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		04/17/14 03:57	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/17/14 03:57	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/17/14 03:57	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 03:57	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 03:57	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 03:57	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/17/14 03:57	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/17/14 03:57	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/17/14 03:57	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/17/14 03:57	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		04/17/14 03:57	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/17/14 03:57	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/17/14 03:57	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/17/14 03:57	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/17/14 03:57	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/17/14 03:57	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/17/14 03:57	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/17/14 03:57	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/17/14 03:57	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		04/17/14 03:57	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		04/17/14 03:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/17/14 03:57	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/17/14 03:57	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/17/14 03:57	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/17/14 03:57	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/17/14 03:57	127-18-4	
Toluene	ND	ug/L	5.0	1		04/17/14 03:57	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/17/14 03:57	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/17/14 03:57	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/17/14 03:57	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/17/14 03:57	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/17/14 03:57	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/17/14 03:57	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/17/14 03:57	75-01-4	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: MW-1207-S2(040314) **Lab ID: 5095657009** Collected: 04/03/14 09:35 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		04/17/14 03:57	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	95	%.	79-116	1		04/17/14 03:57	1868-53-7	
4-Bromofluorobenzene (S)	98	%.	80-114	1		04/17/14 03:57	460-00-4	
Toluene-d8 (S)	100	%.	81-110	1		04/17/14 03:57	2037-26-5	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: MW-1203-S2(040314) **Lab ID: 5095657010** Collected: 04/03/14 09:40 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		04/17/14 04:30	67-64-1	
Benzene	ND	ug/L	5.0	1		04/17/14 04:30	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/17/14 04:30	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/17/14 04:30	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/17/14 04:30	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/17/14 04:30	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/17/14 04:30	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/17/14 04:30	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/17/14 04:30	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/17/14 04:30	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/17/14 04:30	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/17/14 04:30	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/17/14 04:30	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		04/17/14 04:30	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/17/14 04:30	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/17/14 04:30	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 04:30	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 04:30	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 04:30	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/17/14 04:30	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/17/14 04:30	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/17/14 04:30	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/17/14 04:30	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		04/17/14 04:30	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/17/14 04:30	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/17/14 04:30	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/17/14 04:30	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/17/14 04:30	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/17/14 04:30	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/17/14 04:30	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/17/14 04:30	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/17/14 04:30	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		04/17/14 04:30	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		04/17/14 04:30	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/17/14 04:30	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/17/14 04:30	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/17/14 04:30	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/17/14 04:30	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/17/14 04:30	127-18-4	
Toluene	ND	ug/L	5.0	1		04/17/14 04:30	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/17/14 04:30	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/17/14 04:30	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/17/14 04:30	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/17/14 04:30	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/17/14 04:30	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/17/14 04:30	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/17/14 04:30	75-01-4	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: MW-1203-S2(040314) **Lab ID: 5095657010** Collected: 04/03/14 09:40 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		04/17/14 04:30	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	94	%.	79-116	1		04/17/14 04:30	1868-53-7	
4-Bromofluorobenzene (S)	97	%.	80-114	1		04/17/14 04:30	460-00-4	
Toluene-d8 (S)	100	%.	81-110	1		04/17/14 04:30	2037-26-5	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: MW-0102-S2(040314) **Lab ID: 5095657011** Collected: 04/03/14 11:25 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	**53.8J**	ug/L	100	1		04/17/14 05:03	67-64-1	
Benzene	ND	ug/L	5.0	1		04/17/14 05:03	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/17/14 05:03	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/17/14 05:03	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/17/14 05:03	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/17/14 05:03	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/17/14 05:03	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/17/14 05:03	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/17/14 05:03	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/17/14 05:03	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/17/14 05:03	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/17/14 05:03	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/17/14 05:03	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		04/17/14 05:03	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/17/14 05:03	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/17/14 05:03	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 05:03	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 05:03	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 05:03	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/17/14 05:03	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/17/14 05:03	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/17/14 05:03	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/17/14 05:03	75-35-4	
cis-1,2-Dichloroethene	**68.5**	ug/L	5.0	1		04/17/14 05:03	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/17/14 05:03	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/17/14 05:03	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/17/14 05:03	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/17/14 05:03	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/17/14 05:03	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/17/14 05:03	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/17/14 05:03	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/17/14 05:03	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		04/17/14 05:03	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		04/17/14 05:03	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/17/14 05:03	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/17/14 05:03	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/17/14 05:03	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/17/14 05:03	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/17/14 05:03	127-18-4	
Toluene	ND	ug/L	5.0	1		04/17/14 05:03	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/17/14 05:03	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/17/14 05:03	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/17/14 05:03	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/17/14 05:03	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/17/14 05:03	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/17/14 05:03	76-13-1	
Vinyl chloride	**39.4**	ug/L	2.0	1		04/17/14 05:03	75-01-4	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: MW-0102-S2(040314) **Lab ID: 5095657011** Collected: 04/03/14 11:25 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		04/17/14 05:03	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	98	%.	79-116	1		04/17/14 05:03	1868-53-7	
4-Bromofluorobenzene (S)	100	%.	80-114	1		04/17/14 05:03	460-00-4	
Toluene-d8 (S)	101	%.	81-110	1		04/17/14 05:03	2037-26-5	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: MW-0818-S3(040314) **Lab ID: 5095657012** Collected: 04/03/14 11:30 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	**76.9J**	ug/L	100	1		04/17/14 05:36	67-64-1	
Benzene	ND	ug/L	5.0	1		04/17/14 05:36	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/17/14 05:36	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/17/14 05:36	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/17/14 05:36	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/17/14 05:36	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/17/14 05:36	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/17/14 05:36	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/17/14 05:36	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/17/14 05:36	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/17/14 05:36	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/17/14 05:36	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/17/14 05:36	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		04/17/14 05:36	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/17/14 05:36	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/17/14 05:36	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 05:36	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 05:36	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 05:36	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/17/14 05:36	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/17/14 05:36	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/17/14 05:36	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/17/14 05:36	75-35-4	
cis-1,2-Dichloroethene	**5.6**	ug/L	5.0	1		04/17/14 05:36	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/17/14 05:36	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/17/14 05:36	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/17/14 05:36	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/17/14 05:36	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/17/14 05:36	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/17/14 05:36	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/17/14 05:36	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/17/14 05:36	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		04/17/14 05:36	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		04/17/14 05:36	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/17/14 05:36	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/17/14 05:36	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/17/14 05:36	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/17/14 05:36	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/17/14 05:36	127-18-4	
Toluene	ND	ug/L	5.0	1		04/17/14 05:36	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/17/14 05:36	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/17/14 05:36	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/17/14 05:36	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/17/14 05:36	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/17/14 05:36	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/17/14 05:36	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/17/14 05:36	75-01-4	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: MW-0818-S3(040314) **Lab ID: 5095657012** Collected: 04/03/14 11:30 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		04/17/14 05:36	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	96	%.	79-116	1		04/17/14 05:36	1868-53-7	
4-Bromofluorobenzene (S)	97	%.	80-114	1		04/17/14 05:36	460-00-4	
Toluene-d8 (S)	97	%.	81-110	1		04/17/14 05:36	2037-26-5	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: MW-1306-S2(040314) **Lab ID: 5095657013** Collected: 04/03/14 11:35 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	**84.9J**	ug/L	100	1		04/17/14 06:09	67-64-1	
Benzene	ND	ug/L	5.0	1		04/17/14 06:09	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/17/14 06:09	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/17/14 06:09	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/17/14 06:09	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/17/14 06:09	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/17/14 06:09	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/17/14 06:09	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/17/14 06:09	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/17/14 06:09	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/17/14 06:09	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/17/14 06:09	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/17/14 06:09	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		04/17/14 06:09	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/17/14 06:09	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/17/14 06:09	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 06:09	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 06:09	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 06:09	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/17/14 06:09	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/17/14 06:09	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/17/14 06:09	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/17/14 06:09	75-35-4	
cis-1,2-Dichloroethene	**118**	ug/L	5.0	1		04/17/14 06:09	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/17/14 06:09	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/17/14 06:09	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/17/14 06:09	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/17/14 06:09	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/17/14 06:09	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/17/14 06:09	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/17/14 06:09	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/17/14 06:09	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		04/17/14 06:09	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		04/17/14 06:09	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/17/14 06:09	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/17/14 06:09	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/17/14 06:09	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/17/14 06:09	79-34-5	
Tetrachloroethene	**62.7**	ug/L	5.0	1		04/17/14 06:09	127-18-4	
Toluene	ND	ug/L	5.0	1		04/17/14 06:09	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/17/14 06:09	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/17/14 06:09	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/17/14 06:09	79-00-5	
Trichloroethene	**49.5**	ug/L	5.0	1		04/17/14 06:09	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/17/14 06:09	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/17/14 06:09	76-13-1	
Vinyl chloride	**2.3**	ug/L	2.0	1		04/17/14 06:09	75-01-4	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: MW-1306-S2(040314) **Lab ID: 5095657013** Collected: 04/03/14 11:35 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		04/17/14 06:09	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	97	%.	79-116	1		04/17/14 06:09	1868-53-7	
4-Bromofluorobenzene (S)	99	%.	80-114	1		04/17/14 06:09	460-00-4	
Toluene-d8 (S)	99	%.	81-110	1		04/17/14 06:09	2037-26-5	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: MW-0414-S2A/S2B(040314) **Lab ID: 5095657014** Collected: 04/03/14 11:40 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	**79.9J**	ug/L	100	1		04/17/14 06:42	67-64-1	
Benzene	ND	ug/L	5.0	1		04/17/14 06:42	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/17/14 06:42	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/17/14 06:42	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/17/14 06:42	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/17/14 06:42	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/17/14 06:42	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/17/14 06:42	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/17/14 06:42	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/17/14 06:42	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/17/14 06:42	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/17/14 06:42	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/17/14 06:42	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		04/17/14 06:42	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/17/14 06:42	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/17/14 06:42	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 06:42	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 06:42	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 06:42	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/17/14 06:42	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/17/14 06:42	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/17/14 06:42	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/17/14 06:42	75-35-4	
cis-1,2-Dichloroethene	**41.5**	ug/L	5.0	1		04/17/14 06:42	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/17/14 06:42	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/17/14 06:42	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/17/14 06:42	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/17/14 06:42	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/17/14 06:42	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/17/14 06:42	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/17/14 06:42	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/17/14 06:42	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		04/17/14 06:42	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		04/17/14 06:42	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/17/14 06:42	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/17/14 06:42	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/17/14 06:42	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/17/14 06:42	79-34-5	
Tetrachloroethene	**1990**	ug/L	50.0	10		04/17/14 07:15	127-18-4	
Toluene	ND	ug/L	5.0	1		04/17/14 06:42	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/17/14 06:42	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/17/14 06:42	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/17/14 06:42	79-00-5	
Trichloroethene	**160**	ug/L	5.0	1		04/17/14 06:42	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/17/14 06:42	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/17/14 06:42	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/17/14 06:42	75-01-4	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: MW-0414-S2A/S2B(040314) **Lab ID: 5095657014** Collected: 04/03/14 11:40 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		04/17/14 06:42	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	95	%.	79-116	1		04/17/14 06:42	1868-53-7	
4-Bromofluorobenzene (S)	100	%.	80-114	1		04/17/14 06:42	460-00-4	
Toluene-d8 (S)	103	%.	81-110	1		04/17/14 06:42	2037-26-5	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: FD-2(040314)-LM **Lab ID: 5095657015** Collected: 04/03/14 08:00 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	**54.3J**	ug/L	100	1		04/17/14 07:48	67-64-1	
Benzene	ND	ug/L	5.0	1		04/17/14 07:48	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/17/14 07:48	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/17/14 07:48	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/17/14 07:48	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/17/14 07:48	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/17/14 07:48	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/17/14 07:48	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/17/14 07:48	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/17/14 07:48	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/17/14 07:48	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/17/14 07:48	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/17/14 07:48	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		04/17/14 07:48	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/17/14 07:48	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/17/14 07:48	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 07:48	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 07:48	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 07:48	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/17/14 07:48	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/17/14 07:48	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/17/14 07:48	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/17/14 07:48	75-35-4	
cis-1,2-Dichloroethene	**72.6**	ug/L	5.0	1		04/17/14 07:48	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/17/14 07:48	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/17/14 07:48	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/17/14 07:48	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/17/14 07:48	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/17/14 07:48	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/17/14 07:48	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/17/14 07:48	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/17/14 07:48	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		04/17/14 07:48	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		04/17/14 07:48	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/17/14 07:48	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/17/14 07:48	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/17/14 07:48	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/17/14 07:48	79-34-5	
Tetrachloroethene	**2.6J**	ug/L	5.0	1		04/17/14 07:48	127-18-4	
Toluene	ND	ug/L	5.0	1		04/17/14 07:48	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/17/14 07:48	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/17/14 07:48	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/17/14 07:48	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/17/14 07:48	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/17/14 07:48	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/17/14 07:48	76-13-1	
Vinyl chloride	**42.5**	ug/L	2.0	1		04/17/14 07:48	75-01-4	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: FD-2(040314)-LM **Lab ID: 5095657015** Collected: 04/03/14 08:00 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		04/17/14 07:48	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	96	%.	79-116	1		04/17/14 07:48	1868-53-7	
4-Bromofluorobenzene (S)	97	%.	80-114	1		04/17/14 07:48	460-00-4	
Toluene-d8 (S)	99	%.	81-110	1		04/17/14 07:48	2037-26-5	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: MW-0416-S2A(040314) **Lab ID: 5095657016** Collected: 04/03/14 11:45 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		04/17/14 11:05	67-64-1	
Benzene	ND	ug/L	5.0	1		04/17/14 11:05	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/17/14 11:05	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/17/14 11:05	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/17/14 11:05	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/17/14 11:05	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/17/14 11:05	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/17/14 11:05	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/17/14 11:05	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/17/14 11:05	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/17/14 11:05	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/17/14 11:05	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/17/14 11:05	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		04/17/14 11:05	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/17/14 11:05	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/17/14 11:05	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 11:05	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 11:05	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 11:05	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/17/14 11:05	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/17/14 11:05	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/17/14 11:05	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/17/14 11:05	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		04/17/14 11:05	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/17/14 11:05	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/17/14 11:05	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/17/14 11:05	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/17/14 11:05	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/17/14 11:05	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/17/14 11:05	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/17/14 11:05	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/17/14 11:05	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		04/17/14 11:05	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		04/17/14 11:05	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/17/14 11:05	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/17/14 11:05	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/17/14 11:05	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/17/14 11:05	79-34-5	
Tetrachloroethene	**1.6J**	ug/L	5.0	1		04/17/14 11:05	127-18-4	
Toluene	ND	ug/L	5.0	1		04/17/14 11:05	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/17/14 11:05	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/17/14 11:05	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/17/14 11:05	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/17/14 11:05	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/17/14 11:05	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/17/14 11:05	76-13-1	
Vinyl chloride	**3.9**	ug/L	2.0	1		04/17/14 11:05	75-01-4	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: MW-0416-S2A(040314) **Lab ID: 5095657016** Collected: 04/03/14 11:45 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		04/17/14 11:05	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	97	%.	79-116	1		04/17/14 11:05	1868-53-7	
4-Bromofluorobenzene (S)	99	%.	80-114	1		04/17/14 11:05	460-00-4	
Toluene-d8 (S)	101	%.	81-110	1		04/17/14 11:05	2037-26-5	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: EB-1(040314)-LM **Lab ID: 5095657017** Collected: 04/03/14 11:50 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	**78.6J**	ug/L	100	1		04/17/14 08:53	67-64-1	
Benzene	ND	ug/L	5.0	1		04/17/14 08:53	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/17/14 08:53	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/17/14 08:53	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/17/14 08:53	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/17/14 08:53	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/17/14 08:53	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/17/14 08:53	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/17/14 08:53	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/17/14 08:53	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/17/14 08:53	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/17/14 08:53	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/17/14 08:53	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		04/17/14 08:53	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/17/14 08:53	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/17/14 08:53	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 08:53	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 08:53	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 08:53	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/17/14 08:53	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/17/14 08:53	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/17/14 08:53	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/17/14 08:53	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		04/17/14 08:53	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/17/14 08:53	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/17/14 08:53	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/17/14 08:53	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/17/14 08:53	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/17/14 08:53	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/17/14 08:53	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/17/14 08:53	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/17/14 08:53	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		04/17/14 08:53	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		04/17/14 08:53	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/17/14 08:53	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/17/14 08:53	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/17/14 08:53	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/17/14 08:53	79-34-5	
Tetrachloroethene	**2.2J**	ug/L	5.0	1		04/17/14 08:53	127-18-4	
Toluene	ND	ug/L	5.0	1		04/17/14 08:53	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/17/14 08:53	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/17/14 08:53	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/17/14 08:53	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/17/14 08:53	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/17/14 08:53	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/17/14 08:53	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/17/14 08:53	75-01-4	

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Indianapolis, IN 46268
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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: EB-1(040314)-LM **Lab ID: 5095657017** Collected: 04/03/14 11:50 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		04/17/14 08:53	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	98	%.	79-116	1		04/17/14 08:53	1868-53-7	
4-Bromofluorobenzene (S)	97	%.	80-114	1		04/17/14 08:53	460-00-4	
Toluene-d8 (S)	99	%.	81-110	1		04/17/14 08:53	2037-26-5	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: MW-0421-S2(040314) **Lab ID: 5095657018** Collected: 04/03/14 12:20 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	**85.7J**	ug/L	100	1		04/17/14 09:26	67-64-1	
Benzene	ND	ug/L	5.0	1		04/17/14 09:26	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/17/14 09:26	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/17/14 09:26	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/17/14 09:26	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/17/14 09:26	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/17/14 09:26	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/17/14 09:26	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/17/14 09:26	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/17/14 09:26	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/17/14 09:26	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/17/14 09:26	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/17/14 09:26	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		04/17/14 09:26	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/17/14 09:26	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/17/14 09:26	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 09:26	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 09:26	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 09:26	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/17/14 09:26	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/17/14 09:26	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/17/14 09:26	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/17/14 09:26	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		04/17/14 09:26	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/17/14 09:26	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/17/14 09:26	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/17/14 09:26	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/17/14 09:26	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/17/14 09:26	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/17/14 09:26	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/17/14 09:26	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/17/14 09:26	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		04/17/14 09:26	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		04/17/14 09:26	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/17/14 09:26	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/17/14 09:26	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/17/14 09:26	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/17/14 09:26	79-34-5	
Tetrachloroethene	**1.4J**	ug/L	5.0	1		04/17/14 09:26	127-18-4	
Toluene	ND	ug/L	5.0	1		04/17/14 09:26	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/17/14 09:26	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/17/14 09:26	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/17/14 09:26	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/17/14 09:26	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/17/14 09:26	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/17/14 09:26	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/17/14 09:26	75-01-4	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: MW-0421-S2(040314) **Lab ID: 5095657018** Collected: 04/03/14 12:20 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		04/17/14 09:26	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	98	%.	79-116	1		04/17/14 09:26	1868-53-7	
4-Bromofluorobenzene (S)	98	%.	80-114	1		04/17/14 09:26	460-00-4	
Toluene-d8 (S)	101	%.	81-110	1		04/17/14 09:26	2037-26-5	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: MW-0819-S2B(040314) **Lab ID: 5095657019** Collected: 04/03/14 12:25 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		04/17/14 10:48	67-64-1	
Benzene	ND	ug/L	5.0	1		04/17/14 10:48	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/17/14 10:48	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/17/14 10:48	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/17/14 10:48	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/17/14 10:48	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/17/14 10:48	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/17/14 10:48	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/17/14 10:48	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/17/14 10:48	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/17/14 10:48	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/17/14 10:48	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/17/14 10:48	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		04/17/14 10:48	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/17/14 10:48	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/17/14 10:48	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 10:48	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 10:48	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 10:48	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/17/14 10:48	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/17/14 10:48	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/17/14 10:48	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/17/14 10:48	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		04/17/14 10:48	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/17/14 10:48	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/17/14 10:48	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/17/14 10:48	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/17/14 10:48	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/17/14 10:48	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/17/14 10:48	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/17/14 10:48	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/17/14 10:48	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		04/17/14 10:48	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		04/17/14 10:48	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/17/14 10:48	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/17/14 10:48	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/17/14 10:48	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/17/14 10:48	79-34-5	
Tetrachloroethene	**2.6J**	ug/L	5.0	1		04/17/14 10:48	127-18-4	
Toluene	ND	ug/L	5.0	1		04/17/14 10:48	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/17/14 10:48	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/17/14 10:48	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/17/14 10:48	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/17/14 10:48	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/17/14 10:48	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/17/14 10:48	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/17/14 10:48	75-01-4	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: MW-0819-S2B(040314) **Lab ID: 5095657019** Collected: 04/03/14 12:25 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		04/17/14 10:48	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	100	%.	79-116	1		04/17/14 10:48	1868-53-7	
4-Bromofluorobenzene (S)	97	%.	80-114	1		04/17/14 10:48	460-00-4	
Toluene-d8 (S)	102	%.	81-110	1		04/17/14 10:48	2037-26-5	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: MW-0420-S2A(040314) **Lab ID: 5095657020** Collected: 04/03/14 12:30 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	**80.1J**	ug/L	100	1		04/17/14 09:59	67-64-1	
Benzene	ND	ug/L	5.0	1		04/17/14 09:59	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/17/14 09:59	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/17/14 09:59	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/17/14 09:59	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/17/14 09:59	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/17/14 09:59	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/17/14 09:59	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/17/14 09:59	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/17/14 09:59	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/17/14 09:59	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/17/14 09:59	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/17/14 09:59	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		04/17/14 09:59	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/17/14 09:59	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/17/14 09:59	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 09:59	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 09:59	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 09:59	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/17/14 09:59	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/17/14 09:59	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/17/14 09:59	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/17/14 09:59	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		04/17/14 09:59	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/17/14 09:59	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/17/14 09:59	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/17/14 09:59	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/17/14 09:59	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/17/14 09:59	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/17/14 09:59	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/17/14 09:59	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/17/14 09:59	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		04/17/14 09:59	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		04/17/14 09:59	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/17/14 09:59	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/17/14 09:59	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/17/14 09:59	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/17/14 09:59	79-34-5	
Tetrachloroethene	**86.5**	ug/L	5.0	1		04/17/14 09:59	127-18-4	
Toluene	ND	ug/L	5.0	1		04/17/14 09:59	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/17/14 09:59	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/17/14 09:59	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/17/14 09:59	79-00-5	
Trichloroethene	**5.4**	ug/L	5.0	1		04/17/14 09:59	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/17/14 09:59	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/17/14 09:59	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/17/14 09:59	75-01-4	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: MW-0420-S2A(040314) **Lab ID: 5095657020** Collected: 04/03/14 12:30 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		04/17/14 09:59	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	95	%.	79-116	1		04/17/14 09:59	1868-53-7	
4-Bromofluorobenzene (S)	96	%.	80-114	1		04/17/14 09:59	460-00-4	
Toluene-d8 (S)	100	%.	81-110	1		04/17/14 09:59	2037-26-5	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: EB-2(040314)-LM **Lab ID: 5095657021** Collected: 04/03/14 12:40 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	**85.0J**	ug/L	100	1		04/17/14 10:32	67-64-1	
Benzene	ND	ug/L	5.0	1		04/17/14 10:32	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/17/14 10:32	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/17/14 10:32	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/17/14 10:32	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/17/14 10:32	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/17/14 10:32	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/17/14 10:32	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/17/14 10:32	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/17/14 10:32	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/17/14 10:32	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/17/14 10:32	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/17/14 10:32	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		04/17/14 10:32	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/17/14 10:32	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/17/14 10:32	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 10:32	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 10:32	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 10:32	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/17/14 10:32	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/17/14 10:32	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/17/14 10:32	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/17/14 10:32	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		04/17/14 10:32	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/17/14 10:32	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/17/14 10:32	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/17/14 10:32	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/17/14 10:32	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/17/14 10:32	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/17/14 10:32	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/17/14 10:32	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/17/14 10:32	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		04/17/14 10:32	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		04/17/14 10:32	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/17/14 10:32	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/17/14 10:32	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/17/14 10:32	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/17/14 10:32	79-34-5	
Tetrachloroethene	**9.7**	ug/L	5.0	1		04/17/14 10:32	127-18-4	
Toluene	ND	ug/L	5.0	1		04/17/14 10:32	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/17/14 10:32	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/17/14 10:32	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/17/14 10:32	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/17/14 10:32	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/17/14 10:32	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/17/14 10:32	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/17/14 10:32	75-01-4	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: EB-2(040314)-LM **Lab ID: 5095657021** Collected: 04/03/14 12:40 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		04/17/14 10:32	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	96	%.	79-116	1		04/17/14 10:32	1868-53-7	
4-Bromofluorobenzene (S)	98	%.	80-114	1		04/17/14 10:32	460-00-4	
Toluene-d8 (S)	101	%.	81-110	1		04/17/14 10:32	2037-26-5	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: MW-0419-S2B(040314) **Lab ID: 5095657022** Collected: 04/03/14 13:00 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	**125**	ug/L	100	1		04/17/14 03:08	67-64-1	
Benzene	ND	ug/L	5.0	1		04/17/14 03:08	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/17/14 03:08	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/17/14 03:08	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/17/14 03:08	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/17/14 03:08	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/17/14 03:08	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/17/14 03:08	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/17/14 03:08	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/17/14 03:08	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/17/14 03:08	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/17/14 03:08	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/17/14 03:08	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		04/17/14 03:08	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/17/14 03:08	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/17/14 03:08	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 03:08	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 03:08	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 03:08	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/17/14 03:08	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/17/14 03:08	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/17/14 03:08	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/17/14 03:08	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		04/17/14 03:08	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/17/14 03:08	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/17/14 03:08	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/17/14 03:08	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/17/14 03:08	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/17/14 03:08	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/17/14 03:08	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/17/14 03:08	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/17/14 03:08	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		04/17/14 03:08	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		04/17/14 03:08	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/17/14 03:08	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/17/14 03:08	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/17/14 03:08	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/17/14 03:08	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/17/14 03:08	127-18-4	
Toluene	ND	ug/L	5.0	1		04/17/14 03:08	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/17/14 03:08	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/17/14 03:08	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/17/14 03:08	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/17/14 03:08	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/17/14 03:08	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/17/14 03:08	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/17/14 03:08	75-01-4	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: MW-0419-S2B(040314) **Lab ID: 5095657022** Collected: 04/03/14 13:00 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		04/17/14 03:08	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	105	%.	79-116	1		04/17/14 03:08	1868-53-7	
4-Bromofluorobenzene (S)	100	%.	80-114	1		04/17/14 03:08	460-00-4	
Toluene-d8 (S)	100	%.	81-110	1		04/17/14 03:08	2037-26-5	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: MW-24-S2A(040314) **Lab ID: 5095657023** Collected: 04/03/14 13:10 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	**72.4J**	ug/L	100	1		04/17/14 03:41	67-64-1	
Benzene	ND	ug/L	5.0	1		04/17/14 03:41	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/17/14 03:41	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/17/14 03:41	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/17/14 03:41	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/17/14 03:41	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/17/14 03:41	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/17/14 03:41	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/17/14 03:41	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/17/14 03:41	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/17/14 03:41	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/17/14 03:41	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/17/14 03:41	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		04/17/14 03:41	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/17/14 03:41	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/17/14 03:41	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 03:41	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 03:41	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 03:41	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/17/14 03:41	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/17/14 03:41	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/17/14 03:41	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/17/14 03:41	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		04/17/14 03:41	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/17/14 03:41	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/17/14 03:41	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/17/14 03:41	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/17/14 03:41	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/17/14 03:41	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/17/14 03:41	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/17/14 03:41	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/17/14 03:41	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		04/17/14 03:41	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		04/17/14 03:41	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/17/14 03:41	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/17/14 03:41	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/17/14 03:41	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/17/14 03:41	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/17/14 03:41	127-18-4	
Toluene	ND	ug/L	5.0	1		04/17/14 03:41	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/17/14 03:41	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/17/14 03:41	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/17/14 03:41	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/17/14 03:41	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/17/14 03:41	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/17/14 03:41	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/17/14 03:41	75-01-4	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: MW-24-S2A(040314) **Lab ID: 5095657023** Collected: 04/03/14 13:10 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		04/17/14 03:41	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	93	%.	79-116	1		04/17/14 03:41	1868-53-7	
4-Bromofluorobenzene (S)	99	%.	80-114	1		04/17/14 03:41	460-00-4	
Toluene-d8 (S)	102	%.	81-110	1		04/17/14 03:41	2037-26-5	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: MW-1307-S2(040314) **Lab ID: 5095657024** Collected: 04/03/14 13:15 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	**97.7J**	ug/L	100	1		04/17/14 04:14	67-64-1	
Benzene	ND	ug/L	5.0	1		04/17/14 04:14	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/17/14 04:14	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/17/14 04:14	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/17/14 04:14	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/17/14 04:14	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/17/14 04:14	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/17/14 04:14	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/17/14 04:14	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/17/14 04:14	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/17/14 04:14	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/17/14 04:14	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/17/14 04:14	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		04/17/14 04:14	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/17/14 04:14	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/17/14 04:14	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 04:14	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 04:14	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 04:14	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/17/14 04:14	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/17/14 04:14	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/17/14 04:14	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/17/14 04:14	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		04/17/14 04:14	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/17/14 04:14	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/17/14 04:14	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/17/14 04:14	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/17/14 04:14	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/17/14 04:14	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/17/14 04:14	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/17/14 04:14	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/17/14 04:14	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		04/17/14 04:14	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		04/17/14 04:14	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/17/14 04:14	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/17/14 04:14	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/17/14 04:14	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/17/14 04:14	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/17/14 04:14	127-18-4	
Toluene	ND	ug/L	5.0	1		04/17/14 04:14	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/17/14 04:14	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/17/14 04:14	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/17/14 04:14	79-00-5	
Trichloroethene	**1.1J**	ug/L	5.0	1		04/17/14 04:14	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/17/14 04:14	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/17/14 04:14	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/17/14 04:14	75-01-4	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: MW-1307-S2(040314) **Lab ID: 5095657024** Collected: 04/03/14 13:15 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		04/17/14 04:14	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	103	%.	79-116	1		04/17/14 04:14	1868-53-7	
4-Bromofluorobenzene (S)	99	%.	80-114	1		04/17/14 04:14	460-00-4	
Toluene-d8 (S)	99	%.	81-110	1		04/17/14 04:14	2037-26-5	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: TB-1-(040314)-AO **Lab ID: 5095657025** Collected: 04/03/14 08:00 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		04/17/14 04:47	67-64-1	
Benzene	ND	ug/L	5.0	1		04/17/14 04:47	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/17/14 04:47	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/17/14 04:47	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/17/14 04:47	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/17/14 04:47	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/17/14 04:47	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/17/14 04:47	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/17/14 04:47	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/17/14 04:47	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/17/14 04:47	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/17/14 04:47	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/17/14 04:47	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		04/17/14 04:47	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/17/14 04:47	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/17/14 04:47	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 04:47	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 04:47	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 04:47	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/17/14 04:47	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/17/14 04:47	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/17/14 04:47	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/17/14 04:47	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		04/17/14 04:47	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/17/14 04:47	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/17/14 04:47	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/17/14 04:47	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/17/14 04:47	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/17/14 04:47	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/17/14 04:47	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/17/14 04:47	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/17/14 04:47	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		04/17/14 04:47	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		04/17/14 04:47	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/17/14 04:47	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/17/14 04:47	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/17/14 04:47	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/17/14 04:47	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/17/14 04:47	127-18-4	
Toluene	ND	ug/L	5.0	1		04/17/14 04:47	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/17/14 04:47	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/17/14 04:47	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/17/14 04:47	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/17/14 04:47	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/17/14 04:47	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/17/14 04:47	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/17/14 04:47	75-01-4	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: TB-1-(040314)-AO **Lab ID: 5095657025** Collected: 04/03/14 08:00 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		04/17/14 04:47	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	104	%.	79-116	1		04/17/14 04:47	1868-53-7	
4-Bromofluorobenzene (S)	97	%.	80-114	1		04/17/14 04:47	460-00-4	
Toluene-d8 (S)	97	%.	81-110	1		04/17/14 04:47	2037-26-5	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: MW-0418-S3(040314) **Lab ID: 5095657026** Collected: 04/03/14 08:50 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	**94.4J**	ug/L	100	1		04/17/14 05:20	67-64-1	
Benzene	ND	ug/L	5.0	1		04/17/14 05:20	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/17/14 05:20	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/17/14 05:20	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/17/14 05:20	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/17/14 05:20	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/17/14 05:20	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/17/14 05:20	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/17/14 05:20	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/17/14 05:20	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/17/14 05:20	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/17/14 05:20	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/17/14 05:20	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		04/17/14 05:20	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/17/14 05:20	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/17/14 05:20	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 05:20	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 05:20	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 05:20	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/17/14 05:20	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/17/14 05:20	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/17/14 05:20	107-06-2	
1,1-Dichloroethene	**4.3J**	ug/L	5.0	1		04/17/14 05:20	75-35-4	
cis-1,2-Dichloroethene	**1720**	ug/L	50.0	10		04/18/14 18:21	156-59-2	
trans-1,2-Dichloroethene	**10.3**	ug/L	5.0	1		04/17/14 05:20	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/17/14 05:20	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/17/14 05:20	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/17/14 05:20	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/17/14 05:20	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/17/14 05:20	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/17/14 05:20	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/17/14 05:20	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		04/17/14 05:20	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		04/17/14 05:20	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/17/14 05:20	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/17/14 05:20	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/17/14 05:20	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/17/14 05:20	79-34-5	
Tetrachloroethene	**100**	ug/L	5.0	1		04/17/14 05:20	127-18-4	
Toluene	ND	ug/L	5.0	1		04/17/14 05:20	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/17/14 05:20	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/17/14 05:20	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/17/14 05:20	79-00-5	
Trichloroethene	**154**	ug/L	5.0	1		04/17/14 05:20	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/17/14 05:20	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/17/14 05:20	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/17/14 05:20	75-01-4	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: MW-0418-S3(040314) **Lab ID: 5095657026** Collected: 04/03/14 08:50 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		04/17/14 05:20	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	107	%.	79-116	1		04/17/14 05:20	1868-53-7	
4-Bromofluorobenzene (S)	97	%.	80-114	1		04/17/14 05:20	460-00-4	
Toluene-d8 (S)	99	%.	81-110	1		04/17/14 05:20	2037-26-5	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: MW-0426-S2B(040314) **Lab ID: 5095657027** Collected: 04/03/14 09:05 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	**97.7J**	ug/L	100	1		04/17/14 05:53	67-64-1	
Benzene	ND	ug/L	5.0	1		04/17/14 05:53	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/17/14 05:53	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/17/14 05:53	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/17/14 05:53	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/17/14 05:53	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/17/14 05:53	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/17/14 05:53	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/17/14 05:53	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/17/14 05:53	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/17/14 05:53	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/17/14 05:53	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/17/14 05:53	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		04/17/14 05:53	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/17/14 05:53	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/17/14 05:53	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 05:53	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 05:53	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 05:53	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/17/14 05:53	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/17/14 05:53	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/17/14 05:53	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/17/14 05:53	75-35-4	
cis-1,2-Dichloroethene	**107**	ug/L	5.0	1		04/17/14 05:53	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/17/14 05:53	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/17/14 05:53	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/17/14 05:53	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/17/14 05:53	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/17/14 05:53	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/17/14 05:53	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/17/14 05:53	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/17/14 05:53	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		04/17/14 05:53	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		04/17/14 05:53	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/17/14 05:53	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/17/14 05:53	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/17/14 05:53	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/17/14 05:53	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/17/14 05:53	127-18-4	
Toluene	ND	ug/L	5.0	1		04/17/14 05:53	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/17/14 05:53	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/17/14 05:53	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/17/14 05:53	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/17/14 05:53	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/17/14 05:53	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/17/14 05:53	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/17/14 05:53	75-01-4	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: MW-0426-S2B(040314) **Lab ID: 5095657027** Collected: 04/03/14 09:05 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		04/17/14 05:53	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	107	%.	79-116	1		04/17/14 05:53	1868-53-7	
4-Bromofluorobenzene (S)	97	%.	80-114	1		04/17/14 05:53	460-00-4	
Toluene-d8 (S)	97	%.	81-110	1		04/17/14 05:53	2037-26-5	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: MW-0404-S2B(040314) **Lab ID: 5095657028** Collected: 04/03/14 09:30 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		04/17/14 17:14	67-64-1	
Benzene	ND	ug/L	5.0	1		04/17/14 17:14	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/17/14 17:14	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/17/14 17:14	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/17/14 17:14	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/17/14 17:14	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/17/14 17:14	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/17/14 17:14	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/17/14 17:14	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/17/14 17:14	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/17/14 17:14	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/17/14 17:14	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/17/14 17:14	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		04/17/14 17:14	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/17/14 17:14	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/17/14 17:14	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 17:14	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 17:14	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 17:14	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/17/14 17:14	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/17/14 17:14	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/17/14 17:14	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/17/14 17:14	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		04/17/14 17:14	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/17/14 17:14	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/17/14 17:14	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/17/14 17:14	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/17/14 17:14	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/17/14 17:14	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/17/14 17:14	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/17/14 17:14	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/17/14 17:14	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		04/17/14 17:14	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		04/17/14 17:14	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/17/14 17:14	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/17/14 17:14	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/17/14 17:14	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/17/14 17:14	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/17/14 17:14	127-18-4	
Toluene	ND	ug/L	5.0	1		04/17/14 17:14	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/17/14 17:14	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/17/14 17:14	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/17/14 17:14	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/17/14 17:14	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/17/14 17:14	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/17/14 17:14	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/17/14 17:14	75-01-4	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: MW-0404-S2B(040314) **Lab ID: 5095657028** Collected: 04/03/14 09:30 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		04/17/14 17:14	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	94	%.	79-116	1		04/17/14 17:14	1868-53-7	
4-Bromofluorobenzene (S)	102	%.	80-114	1		04/17/14 17:14	460-00-4	
Toluene-d8 (S)	98	%.	81-110	1		04/17/14 17:14	2037-26-5	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: MW-0904-S2B(040314) **Lab ID: 5095657029** Collected: 04/03/14 09:45 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		04/17/14 17:47	67-64-1	
Benzene	ND	ug/L	5.0	1		04/17/14 17:47	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/17/14 17:47	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/17/14 17:47	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/17/14 17:47	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/17/14 17:47	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/17/14 17:47	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/17/14 17:47	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/17/14 17:47	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/17/14 17:47	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/17/14 17:47	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/17/14 17:47	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/17/14 17:47	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		04/17/14 17:47	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/17/14 17:47	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/17/14 17:47	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 17:47	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 17:47	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 17:47	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/17/14 17:47	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/17/14 17:47	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/17/14 17:47	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/17/14 17:47	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		04/17/14 17:47	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/17/14 17:47	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/17/14 17:47	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/17/14 17:47	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/17/14 17:47	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/17/14 17:47	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/17/14 17:47	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/17/14 17:47	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/17/14 17:47	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		04/17/14 17:47	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		04/17/14 17:47	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/17/14 17:47	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/17/14 17:47	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/17/14 17:47	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/17/14 17:47	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/17/14 17:47	127-18-4	
Toluene	ND	ug/L	5.0	1		04/17/14 17:47	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/17/14 17:47	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/17/14 17:47	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/17/14 17:47	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/17/14 17:47	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/17/14 17:47	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/17/14 17:47	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/17/14 17:47	75-01-4	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: MW-0904-S2B(040314) **Lab ID: 5095657029** Collected: 04/03/14 09:45 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		04/17/14 17:47	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	94	%.	79-116	1		04/17/14 17:47	1868-53-7	
4-Bromofluorobenzene (S)	101	%.	80-114	1		04/17/14 17:47	460-00-4	
Toluene-d8 (S)	98	%.	81-110	1		04/17/14 17:47	2037-26-5	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: MW-0417-S3(040314) **Lab ID: 5095657030** Collected: 04/03/14 10:00 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	500	5		04/17/14 06:26	67-64-1	
Benzene	ND	ug/L	25.0	5		04/17/14 06:26	71-43-2	1d
Bromodichloromethane	ND	ug/L	25.0	5		04/17/14 06:26	75-27-4	
Bromoform	ND	ug/L	25.0	5		04/17/14 06:26	75-25-2	
Bromomethane	ND	ug/L	25.0	5		04/17/14 06:26	74-83-9	
2-Butanone (MEK)	ND	ug/L	125	5		04/17/14 06:26	78-93-3	
Carbon disulfide	ND	ug/L	50.0	5		04/17/14 06:26	75-15-0	
Carbon tetrachloride	ND	ug/L	25.0	5		04/17/14 06:26	56-23-5	
Chlorobenzene	ND	ug/L	25.0	5		04/17/14 06:26	108-90-7	
Chloroethane	ND	ug/L	25.0	5		04/17/14 06:26	75-00-3	
Chloroform	ND	ug/L	25.0	5		04/17/14 06:26	67-66-3	
Chloromethane	ND	ug/L	25.0	5		04/17/14 06:26	74-87-3	
Cyclohexane	ND	ug/L	500	5		04/17/14 06:26	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	50.0	5		04/17/14 06:26	96-12-8	
Dibromochloromethane	ND	ug/L	25.0	5		04/17/14 06:26	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	25.0	5		04/17/14 06:26	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	25.0	5		04/17/14 06:26	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	25.0	5		04/17/14 06:26	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	25.0	5		04/17/14 06:26	106-46-7	
Dichlorodifluoromethane	ND	ug/L	25.0	5		04/17/14 06:26	75-71-8	
1,1-Dichloroethane	ND	ug/L	25.0	5		04/17/14 06:26	75-34-3	
1,2-Dichloroethane	ND	ug/L	25.0	5		04/17/14 06:26	107-06-2	
1,1-Dichloroethene	ND	ug/L	25.0	5		04/17/14 06:26	75-35-4	
cis-1,2-Dichloroethene	**1710**	ug/L	125	25		04/17/14 06:59	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	25.0	5		04/17/14 06:26	156-60-5	
1,2-Dichloropropane	ND	ug/L	25.0	5		04/17/14 06:26	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	25.0	5		04/17/14 06:26	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	25.0	5		04/17/14 06:26	10061-02-6	
Ethylbenzene	ND	ug/L	25.0	5		04/17/14 06:26	100-41-4	
2-Hexanone	ND	ug/L	125	5		04/17/14 06:26	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	25.0	5		04/17/14 06:26	98-82-8	
Methyl acetate	ND	ug/L	250	5		04/17/14 06:26	79-20-9	N2
Methylcyclohexane	ND	ug/L	250	5		04/17/14 06:26	108-87-2	N2
Methylene Chloride	ND	ug/L	25.0	5		04/17/14 06:26	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	125	5		04/17/14 06:26	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	20.0	5		04/17/14 06:26	1634-04-4	
Styrene	ND	ug/L	25.0	5		04/17/14 06:26	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	25.0	5		04/17/14 06:26	79-34-5	
Tetrachloroethene	**383**	ug/L	25.0	5		04/17/14 06:26	127-18-4	
Toluene	ND	ug/L	25.0	5		04/17/14 06:26	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	25.0	5		04/17/14 06:26	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	25.0	5		04/17/14 06:26	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	25.0	5		04/17/14 06:26	79-00-5	
Trichloroethene	**379**	ug/L	25.0	5		04/17/14 06:26	79-01-6	
Trichlorofluoromethane	ND	ug/L	25.0	5		04/17/14 06:26	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	25.0	5		04/17/14 06:26	76-13-1	
Vinyl chloride	ND	ug/L	10.0	5		04/17/14 06:26	75-01-4	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: MW-0417-S3(040314) **Lab ID: 5095657030** Collected: 04/03/14 10:00 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	50.0	5		04/17/14 06:26	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	103	%.	79-116	5		04/17/14 06:26	1868-53-7	D4
4-Bromofluorobenzene (S)	99	%.	80-114	5		04/17/14 06:26	460-00-4	
Toluene-d8 (S)	98	%.	81-110	5		04/17/14 06:26	2037-26-5	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: MW-0108-S2B(040314) **Lab ID: 5095657031** Collected: 04/03/14 10:15 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	**100**	ug/L	100	1		04/17/14 07:31	67-64-1	
Benzene	ND	ug/L	5.0	1		04/17/14 07:31	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/17/14 07:31	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/17/14 07:31	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/17/14 07:31	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/17/14 07:31	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/17/14 07:31	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/17/14 07:31	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/17/14 07:31	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/17/14 07:31	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/17/14 07:31	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/17/14 07:31	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/17/14 07:31	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		04/17/14 07:31	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/17/14 07:31	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/17/14 07:31	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 07:31	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 07:31	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 07:31	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/17/14 07:31	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/17/14 07:31	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/17/14 07:31	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/17/14 07:31	75-35-4	
cis-1,2-Dichloroethene	**116**	ug/L	5.0	1		04/17/14 07:31	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/17/14 07:31	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/17/14 07:31	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/17/14 07:31	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/17/14 07:31	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/17/14 07:31	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/17/14 07:31	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/17/14 07:31	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/17/14 07:31	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		04/17/14 07:31	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		04/17/14 07:31	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/17/14 07:31	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/17/14 07:31	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/17/14 07:31	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/17/14 07:31	79-34-5	
Tetrachloroethene	**325**	ug/L	50.0	10		04/17/14 08:04	127-18-4	
Toluene	ND	ug/L	5.0	1		04/17/14 07:31	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/17/14 07:31	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/17/14 07:31	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/17/14 07:31	79-00-5	
Trichloroethene	**365**	ug/L	50.0	10		04/17/14 08:04	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/17/14 07:31	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/17/14 07:31	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/17/14 07:31	75-01-4	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: MW-0108-S2B(040314) **Lab ID: 5095657031** Collected: 04/03/14 10:15 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		04/17/14 07:31	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101	%.	79-116	1		04/17/14 07:31	1868-53-7	
4-Bromofluorobenzene (S)	99	%.	80-114	1		04/17/14 07:31	460-00-4	
Toluene-d8 (S)	99	%.	81-110	1		04/17/14 07:31	2037-26-5	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: MW-0409-S3(040314) **Lab ID: 5095657032** Collected: 04/03/14 10:25 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		04/17/14 18:19	67-64-1	
Benzene	ND	ug/L	5.0	1		04/17/14 18:19	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/17/14 18:19	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/17/14 18:19	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/17/14 18:19	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/17/14 18:19	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/17/14 18:19	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/17/14 18:19	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/17/14 18:19	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/17/14 18:19	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/17/14 18:19	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/17/14 18:19	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/17/14 18:19	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		04/17/14 18:19	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/17/14 18:19	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/17/14 18:19	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 18:19	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 18:19	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 18:19	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/17/14 18:19	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/17/14 18:19	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/17/14 18:19	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/17/14 18:19	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		04/17/14 18:19	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/17/14 18:19	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/17/14 18:19	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/17/14 18:19	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/17/14 18:19	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/17/14 18:19	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/17/14 18:19	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/17/14 18:19	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/17/14 18:19	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		04/17/14 18:19	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		04/17/14 18:19	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/17/14 18:19	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/17/14 18:19	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/17/14 18:19	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/17/14 18:19	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/17/14 18:19	127-18-4	
Toluene	ND	ug/L	5.0	1		04/17/14 18:19	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/17/14 18:19	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/17/14 18:19	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/17/14 18:19	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/17/14 18:19	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/17/14 18:19	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/17/14 18:19	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/17/14 18:19	75-01-4	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: MW-0409-S3(040314) **Lab ID: 5095657032** Collected: 04/03/14 10:25 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		04/17/14 18:19	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	92	%.	79-116	1		04/17/14 18:19	1868-53-7	
4-Bromofluorobenzene (S)	102	%.	80-114	1		04/17/14 18:19	460-00-4	
Toluene-d8 (S)	99	%.	81-110	1		04/17/14 18:19	2037-26-5	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: MW-0202-S2B(040314) **Lab ID: 5095657033** Collected: 04/03/14 11:00 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		04/17/14 18:51	67-64-1	
Benzene	ND	ug/L	5.0	1		04/17/14 18:51	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/17/14 18:51	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/17/14 18:51	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/17/14 18:51	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/17/14 18:51	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/17/14 18:51	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/17/14 18:51	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/17/14 18:51	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/17/14 18:51	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/17/14 18:51	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/17/14 18:51	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/17/14 18:51	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		04/17/14 18:51	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/17/14 18:51	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/17/14 18:51	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 18:51	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 18:51	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 18:51	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/17/14 18:51	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/17/14 18:51	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/17/14 18:51	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/17/14 18:51	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		04/17/14 18:51	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/17/14 18:51	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/17/14 18:51	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/17/14 18:51	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/17/14 18:51	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/17/14 18:51	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/17/14 18:51	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/17/14 18:51	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/17/14 18:51	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		04/17/14 18:51	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		04/17/14 18:51	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/17/14 18:51	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/17/14 18:51	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/17/14 18:51	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/17/14 18:51	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/17/14 18:51	127-18-4	
Toluene	ND	ug/L	5.0	1		04/17/14 18:51	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/17/14 18:51	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/17/14 18:51	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/17/14 18:51	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/17/14 18:51	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/17/14 18:51	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/17/14 18:51	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/17/14 18:51	75-01-4	

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(317)228-3100

ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: MW-0202-S2B(040314) **Lab ID: 5095657033** Collected: 04/03/14 11:00 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		04/17/14 18:51	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	92	%.	79-116	1		04/17/14 18:51	1868-53-7	
4-Bromofluorobenzene (S)	102	%.	80-114	1		04/17/14 18:51	460-00-4	
Toluene-d8 (S)	98	%.	81-110	1		04/17/14 18:51	2037-26-5	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: MW-S2-0601(040314) **Lab ID: 5095657034** Collected: 04/03/14 11:55 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	**82.7J**	ug/L	100	1		04/17/14 21:18	67-64-1	
Benzene	ND	ug/L	5.0	1		04/17/14 21:18	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/17/14 21:18	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/17/14 21:18	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/17/14 21:18	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/17/14 21:18	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/17/14 21:18	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/17/14 21:18	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/17/14 21:18	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/17/14 21:18	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/17/14 21:18	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/17/14 21:18	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/17/14 21:18	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		04/17/14 21:18	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/17/14 21:18	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/17/14 21:18	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 21:18	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 21:18	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 21:18	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/17/14 21:18	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/17/14 21:18	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/17/14 21:18	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/17/14 21:18	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		04/17/14 21:18	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/17/14 21:18	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/17/14 21:18	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/17/14 21:18	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/17/14 21:18	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/17/14 21:18	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/17/14 21:18	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/17/14 21:18	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/17/14 21:18	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		04/17/14 21:18	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		04/17/14 21:18	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/17/14 21:18	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/17/14 21:18	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/17/14 21:18	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/17/14 21:18	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/17/14 21:18	127-18-4	
Toluene	ND	ug/L	5.0	1		04/17/14 21:18	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/17/14 21:18	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/17/14 21:18	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/17/14 21:18	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/17/14 21:18	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/17/14 21:18	75-69-4	
Vinyl chloride	ND	ug/L	2.0	1		04/17/14 21:18	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		04/17/14 21:18	1330-20-7	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: MW-S2-0601(040314) **Lab ID: 5095657034** Collected: 04/03/14 11:55 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Surrogates								
Dibromofluoromethane (S)	106	%.	79-116	1		04/17/14 21:18	1868-53-7	
4-Bromofluorobenzene (S)	101	%.	80-114	1		04/17/14 21:18	460-00-4	
Toluene-d8 (S)	99	%.	81-110	1		04/17/14 21:18	2037-26-5	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: MW-S3-0601(040314) **Lab ID: 5095657035** Collected: 04/03/14 12:10 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	**81.9J**	ug/L	100	1		04/17/14 21:58	67-64-1	
Benzene	ND	ug/L	5.0	1		04/17/14 21:58	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/17/14 21:58	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/17/14 21:58	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/17/14 21:58	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/17/14 21:58	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/17/14 21:58	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/17/14 21:58	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/17/14 21:58	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/17/14 21:58	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/17/14 21:58	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/17/14 21:58	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/17/14 21:58	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		04/17/14 21:58	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/17/14 21:58	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/17/14 21:58	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 21:58	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 21:58	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 21:58	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/17/14 21:58	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/17/14 21:58	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/17/14 21:58	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/17/14 21:58	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		04/17/14 21:58	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/17/14 21:58	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/17/14 21:58	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/17/14 21:58	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/17/14 21:58	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/17/14 21:58	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/17/14 21:58	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/17/14 21:58	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/17/14 21:58	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		04/17/14 21:58	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		04/17/14 21:58	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/17/14 21:58	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/17/14 21:58	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/17/14 21:58	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/17/14 21:58	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/17/14 21:58	127-18-4	
Toluene	ND	ug/L	5.0	1		04/17/14 21:58	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/17/14 21:58	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/17/14 21:58	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/17/14 21:58	79-00-5	
Trichloroethene	**3.9J**	ug/L	5.0	1		04/17/14 21:58	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/17/14 21:58	75-69-4	
Vinyl chloride	ND	ug/L	2.0	1		04/17/14 21:58	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		04/17/14 21:58	1330-20-7	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: MW-S3-0601(040314) **Lab ID: 5095657035** Collected: 04/03/14 12:10 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Surrogates								
Dibromofluoromethane (S)	110	%.	79-116	1		04/17/14 21:58	1868-53-7	
4-Bromofluorobenzene (S)	100	%.	80-114	1		04/17/14 21:58	460-00-4	
Toluene-d8 (S)	94	%.	81-110	1		04/17/14 21:58	2037-26-5	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: MW-S2A-0501(040314) **Lab ID: 5095657036** Collected: 04/03/14 12:15 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	**114**	ug/L	100	1		04/17/14 08:37	67-64-1	
Benzene	ND	ug/L	5.0	1		04/17/14 08:37	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/17/14 08:37	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/17/14 08:37	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/17/14 08:37	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/17/14 08:37	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/17/14 08:37	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/17/14 08:37	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/17/14 08:37	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/17/14 08:37	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/17/14 08:37	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/17/14 08:37	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/17/14 08:37	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		04/17/14 08:37	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/17/14 08:37	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/17/14 08:37	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 08:37	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 08:37	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 08:37	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/17/14 08:37	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/17/14 08:37	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/17/14 08:37	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/17/14 08:37	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		04/17/14 08:37	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/17/14 08:37	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/17/14 08:37	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/17/14 08:37	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/17/14 08:37	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/17/14 08:37	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/17/14 08:37	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/17/14 08:37	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/17/14 08:37	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		04/17/14 08:37	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		04/17/14 08:37	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/17/14 08:37	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/17/14 08:37	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/17/14 08:37	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/17/14 08:37	79-34-5	
Tetrachloroethene	**348**	ug/L	50.0	10		04/17/14 09:10	127-18-4	
Toluene	ND	ug/L	5.0	1		04/17/14 08:37	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/17/14 08:37	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/17/14 08:37	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/17/14 08:37	79-00-5	
Trichloroethene	**18.6**	ug/L	5.0	1		04/17/14 08:37	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/17/14 08:37	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/17/14 08:37	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/17/14 08:37	75-01-4	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: MW-S2A-0501(040314) **Lab ID: 5095657036** Collected: 04/03/14 12:15 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		04/17/14 08:37	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	98	%.	79-116	1		04/17/14 08:37	1868-53-7	
4-Bromofluorobenzene (S)	95	%.	80-114	1		04/17/14 08:37	460-00-4	
Toluene-d8 (S)	98	%.	81-110	1		04/17/14 08:37	2037-26-5	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: MW-S2B-0501(040314) **Lab ID: 5095657037** Collected: 04/03/14 12:25 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		04/17/14 22:38	67-64-1	
Benzene	ND	ug/L	5.0	1		04/17/14 22:38	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/17/14 22:38	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/17/14 22:38	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/17/14 22:38	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/17/14 22:38	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/17/14 22:38	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/17/14 22:38	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/17/14 22:38	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/17/14 22:38	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/17/14 22:38	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/17/14 22:38	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/17/14 22:38	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		04/17/14 22:38	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/17/14 22:38	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/17/14 22:38	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 22:38	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 22:38	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 22:38	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/17/14 22:38	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/17/14 22:38	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/17/14 22:38	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/17/14 22:38	75-35-4	
cis-1,2-Dichloroethene	**20.4**	ug/L	5.0	1		04/17/14 22:38	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/17/14 22:38	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/17/14 22:38	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/17/14 22:38	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/17/14 22:38	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/17/14 22:38	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/17/14 22:38	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/17/14 22:38	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/17/14 22:38	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		04/17/14 22:38	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		04/17/14 22:38	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/17/14 22:38	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/17/14 22:38	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/17/14 22:38	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/17/14 22:38	79-34-5	
Tetrachloroethene	**12.3**	ug/L	5.0	1		04/17/14 22:38	127-18-4	
Toluene	ND	ug/L	5.0	1		04/17/14 22:38	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/17/14 22:38	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/17/14 22:38	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/17/14 22:38	79-00-5	
Trichloroethene	**4.6J**	ug/L	5.0	1		04/17/14 22:38	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/17/14 22:38	75-69-4	
Vinyl chloride	ND	ug/L	2.0	1		04/17/14 22:38	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		04/17/14 22:38	1330-20-7	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: MW-S2B-0501(040314) **Lab ID: 5095657037** Collected: 04/03/14 12:25 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Surrogates								
Dibromofluoromethane (S)	111	%.	79-116	1		04/17/14 22:38	1868-53-7	
4-Bromofluorobenzene (S)	99	%.	80-114	1		04/17/14 22:38	460-00-4	
Toluene-d8 (S)	94	%.	81-110	1		04/17/14 22:38	2037-26-5	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: MW-S3-0501(040314) **Lab ID: 5095657038** Collected: 04/03/14 12:35 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	1000	10		04/17/14 09:43	67-64-1	
Benzene	ND	ug/L	50.0	10		04/17/14 09:43	71-43-2	1d
Bromodichloromethane	ND	ug/L	50.0	10		04/17/14 09:43	75-27-4	
Bromoform	ND	ug/L	50.0	10		04/17/14 09:43	75-25-2	
Bromomethane	ND	ug/L	50.0	10		04/17/14 09:43	74-83-9	
2-Butanone (MEK)	ND	ug/L	250	10		04/17/14 09:43	78-93-3	
Carbon disulfide	ND	ug/L	100	10		04/17/14 09:43	75-15-0	
Carbon tetrachloride	ND	ug/L	50.0	10		04/17/14 09:43	56-23-5	
Chlorobenzene	ND	ug/L	50.0	10		04/17/14 09:43	108-90-7	
Chloroethane	ND	ug/L	50.0	10		04/17/14 09:43	75-00-3	
Chloroform	ND	ug/L	50.0	10		04/17/14 09:43	67-66-3	
Chloromethane	ND	ug/L	50.0	10		04/17/14 09:43	74-87-3	
Cyclohexane	ND	ug/L	1000	10		04/17/14 09:43	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	100	10		04/17/14 09:43	96-12-8	
Dibromochloromethane	ND	ug/L	50.0	10		04/17/14 09:43	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	50.0	10		04/17/14 09:43	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	50.0	10		04/17/14 09:43	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	50.0	10		04/17/14 09:43	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	50.0	10		04/17/14 09:43	106-46-7	
Dichlorodifluoromethane	ND	ug/L	50.0	10		04/17/14 09:43	75-71-8	
1,1-Dichloroethane	ND	ug/L	50.0	10		04/17/14 09:43	75-34-3	
1,2-Dichloroethane	ND	ug/L	50.0	10		04/17/14 09:43	107-06-2	
1,1-Dichloroethene	ND	ug/L	50.0	10		04/17/14 09:43	75-35-4	
cis-1,2-Dichloroethene	**188**	ug/L	50.0	10		04/17/14 09:43	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	50.0	10		04/17/14 09:43	156-60-5	
1,2-Dichloropropane	ND	ug/L	50.0	10		04/17/14 09:43	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	50.0	10		04/17/14 09:43	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	50.0	10		04/17/14 09:43	10061-02-6	
Ethylbenzene	ND	ug/L	50.0	10		04/17/14 09:43	100-41-4	
2-Hexanone	ND	ug/L	250	10		04/17/14 09:43	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	50.0	10		04/17/14 09:43	98-82-8	
Methyl acetate	ND	ug/L	500	10		04/17/14 09:43	79-20-9	N2
Methylcyclohexane	ND	ug/L	500	10		04/17/14 09:43	108-87-2	N2
Methylene Chloride	ND	ug/L	50.0	10		04/17/14 09:43	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	250	10		04/17/14 09:43	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	40.0	10		04/17/14 09:43	1634-04-4	
Styrene	ND	ug/L	50.0	10		04/17/14 09:43	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	50.0	10		04/17/14 09:43	79-34-5	
Tetrachloroethene	**7890**	ug/L	500	100		04/17/14 10:16	127-18-4	
Toluene	ND	ug/L	50.0	10		04/17/14 09:43	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	50.0	10		04/17/14 09:43	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	50.0	10		04/17/14 09:43	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	50.0	10		04/17/14 09:43	79-00-5	
Trichloroethene	**1290**	ug/L	50.0	10		04/17/14 09:43	79-01-6	
Trichlorofluoromethane	ND	ug/L	50.0	10		04/17/14 09:43	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	50.0	10		04/17/14 09:43	76-13-1	
Vinyl chloride	ND	ug/L	20.0	10		04/17/14 09:43	75-01-4	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: MW-S3-0501(040314) **Lab ID: 5095657038** Collected: 04/03/14 12:35 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	100	10		04/17/14 09:43	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	92	%.	79-116	10		04/17/14 09:43	1868-53-7	D4
4-Bromofluorobenzene (S)	95	%.	80-114	10		04/17/14 09:43	460-00-4	
Toluene-d8 (S)	99	%.	81-110	10		04/17/14 09:43	2037-26-5	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: MW-0406-S2B(040314) **Lab ID: 5095657039** Collected: 04/03/14 12:45 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	**79.9J**	ug/L	100	1		04/17/14 23:17	67-64-1	
Benzene	ND	ug/L	5.0	1		04/17/14 23:17	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/17/14 23:17	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/17/14 23:17	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/17/14 23:17	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/17/14 23:17	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/17/14 23:17	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/17/14 23:17	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/17/14 23:17	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/17/14 23:17	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/17/14 23:17	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/17/14 23:17	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/17/14 23:17	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		04/17/14 23:17	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/17/14 23:17	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/17/14 23:17	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 23:17	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 23:17	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 23:17	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/17/14 23:17	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/17/14 23:17	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/17/14 23:17	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/17/14 23:17	75-35-4	
cis-1,2-Dichloroethene	**4.5J**	ug/L	5.0	1		04/17/14 23:17	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/17/14 23:17	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/17/14 23:17	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/17/14 23:17	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/17/14 23:17	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/17/14 23:17	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/17/14 23:17	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/17/14 23:17	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/17/14 23:17	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		04/17/14 23:17	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		04/17/14 23:17	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/17/14 23:17	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/17/14 23:17	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/17/14 23:17	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/17/14 23:17	79-34-5	
Tetrachloroethene	**203**	ug/L	5.0	1		04/17/14 23:17	127-18-4	
Toluene	ND	ug/L	5.0	1		04/17/14 23:17	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/17/14 23:17	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/17/14 23:17	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/17/14 23:17	79-00-5	
Trichloroethene	**39.8**	ug/L	5.0	1		04/17/14 23:17	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/17/14 23:17	75-69-4	
Vinyl chloride	ND	ug/L	2.0	1		04/17/14 23:17	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		04/17/14 23:17	1330-20-7	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: MW-0406-S2B(040314) **Lab ID: 5095657039** Collected: 04/03/14 12:45 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Surrogates								
Dibromofluoromethane (S)	103	%.	79-116	1		04/17/14 23:17	1868-53-7	
4-Bromofluorobenzene (S)	99	%.	80-114	1		04/17/14 23:17	460-00-4	
Toluene-d8 (S)	96	%.	81-110	1		04/17/14 23:17	2037-26-5	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: MW-0817-S2B(040314) **Lab ID: 5095657040** Collected: 04/03/14 12:55 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		04/17/14 19:24	67-64-1	
Benzene	ND	ug/L	5.0	1		04/17/14 19:24	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/17/14 19:24	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/17/14 19:24	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/17/14 19:24	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/17/14 19:24	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/17/14 19:24	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/17/14 19:24	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/17/14 19:24	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/17/14 19:24	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/17/14 19:24	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/17/14 19:24	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/17/14 19:24	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		04/17/14 19:24	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/17/14 19:24	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/17/14 19:24	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 19:24	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 19:24	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 19:24	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/17/14 19:24	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/17/14 19:24	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/17/14 19:24	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/17/14 19:24	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		04/17/14 19:24	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/17/14 19:24	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/17/14 19:24	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/17/14 19:24	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/17/14 19:24	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/17/14 19:24	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/17/14 19:24	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/17/14 19:24	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/17/14 19:24	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		04/17/14 19:24	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		04/17/14 19:24	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/17/14 19:24	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/17/14 19:24	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/17/14 19:24	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/17/14 19:24	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/17/14 19:24	127-18-4	
Toluene	ND	ug/L	5.0	1		04/17/14 19:24	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/17/14 19:24	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/17/14 19:24	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/17/14 19:24	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/17/14 19:24	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/17/14 19:24	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/17/14 19:24	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/17/14 19:24	75-01-4	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: MW-0817-S2B(040314) **Lab ID: 5095657040** Collected: 04/03/14 12:55 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		04/17/14 19:24	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	94	%.	79-116	1		04/17/14 19:24	1868-53-7	
4-Bromofluorobenzene (S)	100	%.	80-114	1		04/17/14 19:24	460-00-4	
Toluene-d8 (S)	97	%.	81-110	1		04/17/14 19:24	2037-26-5	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: MW-0817-S3(040314) **Lab ID: 5095657041** Collected: 04/03/14 13:05 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		04/17/14 19:56	67-64-1	
Benzene	ND	ug/L	5.0	1		04/17/14 19:56	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/17/14 19:56	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/17/14 19:56	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/17/14 19:56	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/17/14 19:56	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/17/14 19:56	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/17/14 19:56	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/17/14 19:56	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/17/14 19:56	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/17/14 19:56	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/17/14 19:56	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/17/14 19:56	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		04/17/14 19:56	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/17/14 19:56	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/17/14 19:56	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 19:56	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 19:56	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 19:56	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/17/14 19:56	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/17/14 19:56	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/17/14 19:56	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/17/14 19:56	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		04/17/14 19:56	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/17/14 19:56	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/17/14 19:56	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/17/14 19:56	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/17/14 19:56	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/17/14 19:56	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/17/14 19:56	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/17/14 19:56	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/17/14 19:56	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		04/17/14 19:56	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		04/17/14 19:56	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/17/14 19:56	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/17/14 19:56	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/17/14 19:56	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/17/14 19:56	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/17/14 19:56	127-18-4	
Toluene	ND	ug/L	5.0	1		04/17/14 19:56	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/17/14 19:56	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/17/14 19:56	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/17/14 19:56	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/17/14 19:56	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/17/14 19:56	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/17/14 19:56	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/17/14 19:56	75-01-4	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: MW-0817-S3(040314) **Lab ID: 5095657041** Collected: 04/03/14 13:05 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		04/17/14 19:56	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	94	%.	79-116	1		04/17/14 19:56	1868-53-7	
4-Bromofluorobenzene (S)	101	%.	80-114	1		04/17/14 19:56	460-00-4	
Toluene-d8 (S)	97	%.	81-110	1		04/17/14 19:56	2037-26-5	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: MW-1305-S2(040314) **Lab ID: 5095657042** Collected: 04/03/14 13:20 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	**75.2J**	ug/L	100	1		04/17/14 23:56	67-64-1	
Benzene	ND	ug/L	5.0	1		04/17/14 23:56	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/17/14 23:56	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/17/14 23:56	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/17/14 23:56	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/17/14 23:56	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/17/14 23:56	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/17/14 23:56	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/17/14 23:56	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/17/14 23:56	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/17/14 23:56	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/17/14 23:56	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/17/14 23:56	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		04/17/14 23:56	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/17/14 23:56	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/17/14 23:56	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 23:56	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 23:56	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/17/14 23:56	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/17/14 23:56	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/17/14 23:56	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/17/14 23:56	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/17/14 23:56	75-35-4	
cis-1,2-Dichloroethene	**65.1**	ug/L	5.0	1		04/17/14 23:56	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/17/14 23:56	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/17/14 23:56	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/17/14 23:56	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/17/14 23:56	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/17/14 23:56	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/17/14 23:56	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/17/14 23:56	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/17/14 23:56	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		04/17/14 23:56	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		04/17/14 23:56	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/17/14 23:56	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/17/14 23:56	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/17/14 23:56	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/17/14 23:56	79-34-5	
Tetrachloroethene	**111**	ug/L	5.0	1		04/17/14 23:56	127-18-4	
Toluene	ND	ug/L	5.0	1		04/17/14 23:56	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/17/14 23:56	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/17/14 23:56	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/17/14 23:56	79-00-5	
Trichloroethene	**56.1**	ug/L	5.0	1		04/17/14 23:56	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/17/14 23:56	75-69-4	
Vinyl chloride	ND	ug/L	2.0	1		04/17/14 23:56	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		04/17/14 23:56	1330-20-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Sample: MW-1305-S2(040314) **Lab ID: 5095657042** Collected: 04/03/14 13:20 Received: 04/03/14 14:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Surrogates								
Dibromofluoromethane (S)	105	%.	79-116	1		04/17/14 23:56	1868-53-7	
4-Bromofluorobenzene (S)	99	%.	80-114	1		04/17/14 23:56	460-00-4	
Toluene-d8 (S)	93	%.	81-110	1		04/17/14 23:56	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: E027039 / Allison Trans
Pace Project No.: 5095657

QC Batch: MSV/63681 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 5095657001, 5095657002, 5095657003, 5095657004, 5095657005, 5095657006

METHOD BLANK: 1079259 Matrix: Water
Associated Lab Samples: 5095657001, 5095657002, 5095657003, 5095657004, 5095657005, 5095657006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	04/16/14 14:50	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	04/16/14 14:50	
1,1,2-Trichloroethane	ug/L	ND	5.0	04/16/14 14:50	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	5.0	04/16/14 14:50	
1,1-Dichloroethane	ug/L	ND	5.0	04/16/14 14:50	
1,1-Dichloroethene	ug/L	ND	5.0	04/16/14 14:50	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	04/16/14 14:50	
1,2-Dibromo-3-chloropropane	ug/L	ND	10.0	04/16/14 14:50	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	04/16/14 14:50	
1,2-Dichlorobenzene	ug/L	ND	5.0	04/16/14 14:50	
1,2-Dichloroethane	ug/L	ND	5.0	04/16/14 14:50	
1,2-Dichloropropane	ug/L	ND	5.0	04/16/14 14:50	
1,3-Dichlorobenzene	ug/L	ND	5.0	04/16/14 14:50	
1,4-Dichlorobenzene	ug/L	ND	5.0	04/16/14 14:50	
2-Butanone (MEK)	ug/L	ND	25.0	04/16/14 14:50	
2-Hexanone	ug/L	ND	25.0	04/16/14 14:50	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	04/16/14 14:50	
Acetone	ug/L	ND	100	04/16/14 14:50	
Benzene	ug/L	ND	5.0	04/16/14 14:50	
Bromodichloromethane	ug/L	ND	5.0	04/16/14 14:50	
Bromoform	ug/L	ND	5.0	04/16/14 14:50	
Bromomethane	ug/L	ND	5.0	04/16/14 14:50	
Carbon disulfide	ug/L	ND	10.0	04/16/14 14:50	
Carbon tetrachloride	ug/L	ND	5.0	04/16/14 14:50	
Chlorobenzene	ug/L	ND	5.0	04/16/14 14:50	
Chloroethane	ug/L	ND	5.0	04/16/14 14:50	
Chloroform	ug/L	ND	5.0	04/16/14 14:50	
Chloromethane	ug/L	ND	5.0	04/16/14 14:50	
cis-1,2-Dichloroethene	ug/L	ND	5.0	04/16/14 14:50	
cis-1,3-Dichloropropene	ug/L	ND	5.0	04/16/14 14:50	
Cyclohexane	ug/L	ND	100	04/16/14 14:50	N2
Dibromochloromethane	ug/L	ND	5.0	04/16/14 14:50	
Dichlorodifluoromethane	ug/L	ND	5.0	04/16/14 14:50	
Ethylbenzene	ug/L	ND	5.0	04/16/14 14:50	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	04/16/14 14:50	
Methyl acetate	ug/L	ND	50.0	04/16/14 14:50	N2
Methyl-tert-butyl ether	ug/L	ND	4.0	04/16/14 14:50	
Methylcyclohexane	ug/L	ND	50.0	04/16/14 14:50	N2
Methylene Chloride	ug/L	ND	5.0	04/16/14 14:50	
Styrene	ug/L	ND	5.0	04/16/14 14:50	
Tetrachloroethene	ug/L	ND	5.0	04/16/14 14:50	
Toluene	ug/L	ND	5.0	04/16/14 14:50	
trans-1,2-Dichloroethene	ug/L	ND	5.0	04/16/14 14:50	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: E027039 / Allison Trans
Pace Project No.: 5095657

METHOD BLANK: 1079259 Matrix: Water
Associated Lab Samples: 5095657001, 5095657002, 5095657003, 5095657004, 5095657005, 5095657006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
trans-1,3-Dichloropropene	ug/L	ND	5.0	04/16/14 14:50	
Trichloroethene	ug/L	ND	5.0	04/16/14 14:50	
Trichlorofluoromethane	ug/L	ND	5.0	04/16/14 14:50	
Vinyl chloride	ug/L	ND	2.0	04/16/14 14:50	
Xylene (Total)	ug/L	ND	10.0	04/16/14 14:50	
4-Bromofluorobenzene (S)	%.	99	80-114	04/16/14 14:50	
Dibromofluoromethane (S)	%.	97	79-116	04/16/14 14:50	
Toluene-d8 (S)	%.	102	81-110	04/16/14 14:50	

LABORATORY CONTROL SAMPLE: 1079260

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	53.9	108	71-129	
1,1,2,2-Tetrachloroethane	ug/L	50	56.7	113	66-126	
1,1,2-Trichloroethane	ug/L	50	57.1	114	77-130	
1,1,2-Trichlorotrifluoroethane	ug/L	50	54.7	109	68-139	
1,1-Dichloroethane	ug/L	50	43.6	87	75-130	
1,1-Dichloroethene	ug/L	50	52.0	104	68-127	
1,2,4-Trichlorobenzene	ug/L	50	54.6	109	68-131	
1,2-Dibromo-3-chloropropane	ug/L	50	48.8	98	64-124	
1,2-Dibromoethane (EDB)	ug/L	50	54.8	110	76-125	
1,2-Dichlorobenzene	ug/L	50	58.7	117	75-123	
1,2-Dichloroethane	ug/L	50	55.7	111	75-128	
1,2-Dichloropropane	ug/L	50	48.5	97	74-121	
1,3-Dichlorobenzene	ug/L	50	56.1	112	74-122	
1,4-Dichlorobenzene	ug/L	50	56.9	114	76-120	
2-Butanone (MEK)	ug/L	250	276	110	58-139	
2-Hexanone	ug/L	250	299	120	54-140	
4-Methyl-2-pentanone (MIBK)	ug/L	250	308	123	58-138	
Acetone	ug/L	250	315	126	49-150	
Benzene	ug/L	50	48.6	97	74-122	
Bromodichloromethane	ug/L	50	58.0	116	62-136	
Bromoform	ug/L	50	48.7	97	44-134	
Bromomethane	ug/L	50	139	278	22-181	L3
Carbon disulfide	ug/L	100	119	119	59-132	
Carbon tetrachloride	ug/L	50	48.5	97	56-137	
Chlorobenzene	ug/L	50	56.1	112	78-123	
Chloroethane	ug/L	50	52.9	106	60-144	
Chloroform	ug/L	50	51.2	102	78-126	
Chloromethane	ug/L	50	52.7	105	42-134	
cis-1,2-Dichloroethene	ug/L	50	51.8	104	75-122	
cis-1,3-Dichloropropene	ug/L	50	49.2	98	64-126	
Cyclohexane	ug/L	50	52.2J	104	62-119	N2
Dibromochloromethane	ug/L	50	49.6	99	58-128	
Dichlorodifluoromethane	ug/L	50	62.7	125	35-181	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: E027039 / Allison Trans
Pace Project No.: 5095657

LABORATORY CONTROL SAMPLE: 1079260

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Ethylbenzene	ug/L	50	56.4	113	66-133	
Isopropylbenzene (Cumene)	ug/L	50	59.7	119	69-124	
Methyl acetate	ug/L	50	48.0J	96	10-142	N2
Methyl-tert-butyl ether	ug/L	100	96.8	97	69-122	
Methylcyclohexane	ug/L	50	54.2	108	63-130	N2
Methylene Chloride	ug/L	50	54.7	109	68-132	
Styrene	ug/L	50	59.7	119	74-126	
Tetrachloroethene	ug/L	50	45.7	91	69-130	
Toluene	ug/L	50	57.0	114	72-122	
trans-1,2-Dichloroethene	ug/L	50	55.0	110	72-124	
trans-1,3-Dichloropropene	ug/L	50	47.7	95	64-121	
Trichloroethene	ug/L	50	53.7	107	76-126	
Trichlorofluoromethane	ug/L	50	57.3	115	76-149	
Vinyl chloride	ug/L	50	57.7	115	59-126	
Xylene (Total)	ug/L	150	180	120	70-124	
4-Bromofluorobenzene (S)	%.			100	80-114	
Dibromofluoromethane (S)	%.			100	79-116	
Toluene-d8 (S)	%.			100	81-110	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: E027039 / Allison Trans
Pace Project No.: 5095657

QC Batch: MSV/63684 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 5095657008, 5095657009, 5095657010, 5095657011, 5095657012, 5095657013, 5095657014, 5095657015, 5095657016, 5095657017, 5095657018, 5095657020, 5095657021

METHOD BLANK: 1079271 Matrix: Water
Associated Lab Samples: 5095657008, 5095657009, 5095657010, 5095657011, 5095657012, 5095657013, 5095657014, 5095657015, 5095657016, 5095657017, 5095657018, 5095657020, 5095657021

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	04/17/14 02:51	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	04/17/14 02:51	
1,1,2-Trichloroethane	ug/L	ND	5.0	04/17/14 02:51	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	5.0	04/17/14 02:51	
1,1-Dichloroethane	ug/L	ND	5.0	04/17/14 02:51	
1,1-Dichloroethene	ug/L	ND	5.0	04/17/14 02:51	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	04/17/14 02:51	
1,2-Dibromo-3-chloropropane	ug/L	ND	10.0	04/17/14 02:51	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	04/17/14 02:51	
1,2-Dichlorobenzene	ug/L	ND	5.0	04/17/14 02:51	
1,2-Dichloroethane	ug/L	ND	5.0	04/17/14 02:51	
1,2-Dichloropropane	ug/L	ND	5.0	04/17/14 02:51	
1,3-Dichlorobenzene	ug/L	ND	5.0	04/17/14 02:51	
1,4-Dichlorobenzene	ug/L	ND	5.0	04/17/14 02:51	
2-Butanone (MEK)	ug/L	ND	25.0	04/17/14 02:51	
2-Hexanone	ug/L	ND	25.0	04/17/14 02:51	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	04/17/14 02:51	
Acetone	ug/L	ND	100	04/17/14 02:51	
Benzene	ug/L	ND	5.0	04/17/14 02:51	
Bromodichloromethane	ug/L	ND	5.0	04/17/14 02:51	
Bromoform	ug/L	ND	5.0	04/17/14 02:51	
Bromomethane	ug/L	ND	5.0	04/17/14 02:51	
Carbon disulfide	ug/L	ND	10.0	04/17/14 02:51	
Carbon tetrachloride	ug/L	ND	5.0	04/17/14 02:51	
Chlorobenzene	ug/L	ND	5.0	04/17/14 02:51	
Chloroethane	ug/L	ND	5.0	04/17/14 02:51	
Chloroform	ug/L	ND	5.0	04/17/14 02:51	
Chloromethane	ug/L	ND	5.0	04/17/14 02:51	
cis-1,2-Dichloroethene	ug/L	ND	5.0	04/17/14 02:51	
cis-1,3-Dichloropropene	ug/L	ND	5.0	04/17/14 02:51	
Cyclohexane	ug/L	ND	100	04/17/14 02:51	N2
Dibromochloromethane	ug/L	ND	5.0	04/17/14 02:51	
Dichlorodifluoromethane	ug/L	ND	5.0	04/17/14 02:51	
Ethylbenzene	ug/L	ND	5.0	04/17/14 02:51	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	04/17/14 02:51	
Methyl acetate	ug/L	ND	50.0	04/17/14 02:51	N2
Methyl-tert-butyl ether	ug/L	ND	4.0	04/17/14 02:51	
Methylcyclohexane	ug/L	ND	50.0	04/17/14 02:51	N2
Methylene Chloride	ug/L	ND	5.0	04/17/14 02:51	
Styrene	ug/L	ND	5.0	04/17/14 02:51	
Tetrachloroethene	ug/L	ND	5.0	04/17/14 02:51	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: E027039 / Allison Trans
Pace Project No.: 5095657

METHOD BLANK: 1079271 Matrix: Water
Associated Lab Samples: 5095657008, 5095657009, 5095657010, 5095657011, 5095657012, 5095657013, 5095657014, 5095657015, 5095657016, 5095657017, 5095657018, 5095657020, 5095657021

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Toluene	ug/L	ND	5.0	04/17/14 02:51	
trans-1,2-Dichloroethene	ug/L	ND	5.0	04/17/14 02:51	
trans-1,3-Dichloropropene	ug/L	ND	5.0	04/17/14 02:51	
Trichloroethene	ug/L	ND	5.0	04/17/14 02:51	
Trichlorofluoromethane	ug/L	ND	5.0	04/17/14 02:51	
Vinyl chloride	ug/L	ND	2.0	04/17/14 02:51	
Xylene (Total)	ug/L	ND	10.0	04/17/14 02:51	
4-Bromofluorobenzene (S)	%.	97	80-114	04/17/14 02:51	
Dibromofluoromethane (S)	%.	97	79-116	04/17/14 02:51	
Toluene-d8 (S)	%.	100	81-110	04/17/14 02:51	

LABORATORY CONTROL SAMPLE: 1079272

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	55.3	111	71-129	
1,1,2,2-Tetrachloroethane	ug/L	50	58.7	117	66-126	
1,1,2-Trichloroethane	ug/L	50	56.4	113	77-130	
1,1,2-Trichlorotrifluoroethane	ug/L	50	51.0	102	68-139	
1,1-Dichloroethane	ug/L	50	50.5	101	75-130	
1,1-Dichloroethene	ug/L	50	55.2	110	68-127	
1,2,4-Trichlorobenzene	ug/L	50	48.5	97	68-131	
1,2-Dibromo-3-chloropropane	ug/L	50	49.9	100	64-124	
1,2-Dibromoethane (EDB)	ug/L	50	55.6	111	76-125	
1,2-Dichlorobenzene	ug/L	50	54.6	109	75-123	
1,2-Dichloroethane	ug/L	50	57.4	115	75-128	
1,2-Dichloropropane	ug/L	50	49.1	98	74-121	
1,3-Dichlorobenzene	ug/L	50	52.5	105	74-122	
1,4-Dichlorobenzene	ug/L	50	54.3	109	76-120	
2-Butanone (MEK)	ug/L	250	295	118	58-139	
2-Hexanone	ug/L	250	313	125	54-140	
4-Methyl-2-pentanone (MIBK)	ug/L	250	321	128	58-138	
Acetone	ug/L	250	336	135	49-150	
Benzene	ug/L	50	48.4	97	74-122	
Bromodichloromethane	ug/L	50	60.0	120	62-136	
Bromoform	ug/L	50	48.8	98	44-134	
Bromomethane	ug/L	50	113	227	22-181	L3
Carbon disulfide	ug/L	100	117	117	59-132	
Carbon tetrachloride	ug/L	50	50.4	101	56-137	
Chlorobenzene	ug/L	50	55.9	112	78-123	
Chloroethane	ug/L	50	51.3	103	60-144	
Chloroform	ug/L	50	52.1	104	78-126	
Chloromethane	ug/L	50	52.9	106	42-134	
cis-1,2-Dichloroethene	ug/L	50	53.5	107	75-122	
cis-1,3-Dichloropropene	ug/L	50	48.1	96	64-126	

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QUALITY CONTROL DATA

Project: E027039 / Allison Trans
Pace Project No.: 5095657

LABORATORY CONTROL SAMPLE: 1079272

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyclohexane	ug/L	50	51.0J	102	62-119	N2
Dibromochloromethane	ug/L	50	50.2	100	58-128	
Dichlorodifluoromethane	ug/L	50	65.2	130	35-181	
Ethylbenzene	ug/L	50	55.3	111	66-133	
Isopropylbenzene (Cumene)	ug/L	50	54.9	110	69-124	
Methyl acetate	ug/L	50	61.9	124	10-142	N2
Methyl-tert-butyl ether	ug/L	100	97.0	97	69-122	
Methylcyclohexane	ug/L	50	49.2J	98	63-130	N2
Methylene Chloride	ug/L	50	56.7	113	68-132	
Styrene	ug/L	50	58.1	116	74-126	
Tetrachloroethene	ug/L	50	43.4	87	69-130	
Toluene	ug/L	50	56.4	113	72-122	
trans-1,2-Dichloroethene	ug/L	50	57.3	115	72-124	
trans-1,3-Dichloropropene	ug/L	50	45.8	92	64-121	
Trichloroethene	ug/L	50	53.8	108	76-126	
Trichlorofluoromethane	ug/L	50	58.4	117	76-149	
Vinyl chloride	ug/L	50	59.0	118	59-126	
Xylene (Total)	ug/L	150	173	115	70-124	
4-Bromofluorobenzene (S)	%.			100	80-114	
Dibromofluoromethane (S)	%.			100	79-116	
Toluene-d8 (S)	%.			100	81-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1079273 1079274

Parameter	Units	5095657016 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	ND	50	100	54.8	76.0	110	76	60-138	32	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	100	53.6	76.8	107	77	55-128	36	20	
1,1,2-Trichloroethane	ug/L	ND	50	100	54.7	70.8	109	71	61-139	26	20	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	50	100	55.1	71.7	110	72	55-151	26	20	
1,1-Dichloroethane	ug/L	ND	50	100	45.3	73.9	88	73	57-147	48	20	
1,1-Dichloroethene	ug/L	ND	50	100	55.8	74.3	112	74	55-145	29	20	
1,2,4-Trichlorobenzene	ug/L	ND	50	100	42.3	80.2	85	80	25-143	62	20	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	100	39.1	55.5	78	56	37-130	35	20	
1,2-Dibromoethane (EDB)	ug/L	ND	50	100	51.5	72.1	103	72	63-129	33	20	
1,2-Dichlorobenzene	ug/L	ND	50	100	51.1	79.2	102	79	38-136	43	20	
1,2-Dichloroethane	ug/L	ND	50	100	55.8	73.5	112	73	62-138	27	20	
1,2-Dichloropropane	ug/L	ND	50	100	48.2	73.8	96	74	59-130	42	20	
1,3-Dichlorobenzene	ug/L	ND	50	100	49.4	81.3	99	81	28-141	49	20	
1,4-Dichlorobenzene	ug/L	ND	50	100	50.2	80.5	100	81	30-139	46	20	
2-Butanone (MEK)	ug/L	ND	250	500	259	337	103	67	37-156	26	20	
2-Hexanone	ug/L	ND	250	500	271	316	108	63	44-143	15	20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	500	284	328	114	66	46-144	14	20	
Acetone	ug/L	ND	250	500	342	414	126	77	39-156	19	20	
Benzene	ug/L	ND	50	100	49.7	77.5	99	78	62-129	44	20	
Bromodichloromethane	ug/L	ND	50	100	55.8	84.4	112	84	50-142	41	20	
Bromoform	ug/L	ND	50	100	43.7	56.8	87	57	36-125	26	20	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: E027039 / Allison Trans
Pace Project No.: 5095657

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1079273 1079274

Parameter	Units	5095657016 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Bromomethane	ug/L	ND	50	100	124	89.6	247	90	13-179	32	20	M0
Carbon disulfide	ug/L	ND	100	200	120	176	120	88	45-142	38	20	
Carbon tetrachloride	ug/L	ND	50	100	51.3	78.3	103	78	46-142	42	20	
Chlorobenzene	ug/L	ND	50	100	53.1	79.9	106	80	49-136	40	20	
Chloroethane	ug/L	ND	50	100	56.1	73.4	112	73	47-160	27	20	
Chloroform	ug/L	ND	50	100	52.3	78.0	105	78	54-150	39	20	
Chloromethane	ug/L	ND	50	100	54.3	81.4	109	81	30-148	40	20	
cis-1,2-Dichloroethene	ug/L	ND	50	100	53.0	77.9	105	78	60-135	38	20	
cis-1,3-Dichloropropene	ug/L	ND	50	100	42.9	72.0	86	72	52-123	51	20	
Cyclohexane	ug/L	ND	50	100	50.7J	79.0J	101	79	43-135		20	N2
Dibromochloromethane	ug/L	ND	50	100	46.2	74.4	92	74	48-125	47	20	
Dichlorodifluoromethane	ug/L	ND	50	100	66.6	85.5	133	86	24-197	25	20	
Ethylbenzene	ug/L	ND	50	100	54.4	78.7	109	79	28-153	37	20	
Isopropylbenzene (Cumene)	ug/L	ND	50	100	55.2	82.3	110	82	18-152	39	20	
Methyl acetate	ug/L	ND	50	100	30.7J	63.7	61	64	10-125		20	N2
Methyl-tert-butyl ether	ug/L	ND	100	200	88.6	153	89	77	63-130	53	20	
Methylcyclohexane	ug/L	ND	50	100	47.0J	80.5	94	80	32-155		20	N2
Methylene Chloride	ug/L	ND	50	100	53.9	80.0	108	80	45-156	39	20	
Styrene	ug/L	ND	50	100	54.6	81.9	109	82	36-139	40	20	
Tetrachloroethene	ug/L	1.6J	50	100	43.5	73.2	84	72	33-151	51	20	
Toluene	ug/L	ND	50	100	56.9	75.5	114	76	50-132	28	20	
trans-1,2-Dichloroethene	ug/L	ND	50	100	56.9	72.9	114	73	40-153	25	20	
trans-1,3-Dichloropropene	ug/L	ND	50	100	40.6	66.9	81	67	48-122	49	20	
Trichloroethene	ug/L	ND	50	100	54.2	83.9	108	84	50-143	43	20	
Trichlorofluoromethane	ug/L	ND	50	100	63.3	85.1	127	85	60-175	29	20	
Vinyl chloride	ug/L	3.9	50	100	65.5	79.1	123	75	44-145	19	20	
Xylene (Total)	ug/L	ND	150	300	169	238	113	79	29-145	34	20	
4-Bromofluorobenzene (S)	%.						101	99	80-114			
Dibromofluoromethane (S)	%.						101	92	79-116			3d,H1
Toluene-d8 (S)	%.						99	97	81-110			

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: E027039 / Allison Trans
Pace Project No.: 5095657

QC Batch: MSV/63686 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 5095657019, 5095657022, 5095657023, 5095657024, 5095657025, 5095657026, 5095657027, 5095657030, 5095657031, 5095657036, 5095657038

METHOD BLANK: 1079279 Matrix: Water
Associated Lab Samples: 5095657019, 5095657022, 5095657023, 5095657024, 5095657025, 5095657026, 5095657027, 5095657030, 5095657031, 5095657036, 5095657038

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	04/17/14 02:35	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	04/17/14 02:35	
1,1,2-Trichloroethane	ug/L	ND	5.0	04/17/14 02:35	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	5.0	04/17/14 02:35	
1,1-Dichloroethane	ug/L	ND	5.0	04/17/14 02:35	
1,1-Dichloroethene	ug/L	ND	5.0	04/17/14 02:35	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	04/17/14 02:35	
1,2-Dibromo-3-chloropropane	ug/L	ND	10.0	04/17/14 02:35	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	04/17/14 02:35	
1,2-Dichlorobenzene	ug/L	ND	5.0	04/17/14 02:35	
1,2-Dichloroethane	ug/L	ND	5.0	04/17/14 02:35	
1,2-Dichloropropane	ug/L	ND	5.0	04/17/14 02:35	
1,3-Dichlorobenzene	ug/L	ND	5.0	04/17/14 02:35	
1,4-Dichlorobenzene	ug/L	ND	5.0	04/17/14 02:35	
2-Butanone (MEK)	ug/L	ND	25.0	04/17/14 02:35	
2-Hexanone	ug/L	ND	25.0	04/17/14 02:35	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	04/17/14 02:35	
Acetone	ug/L	ND	100	04/17/14 02:35	
Benzene	ug/L	ND	5.0	04/17/14 02:35	
Bromodichloromethane	ug/L	ND	5.0	04/17/14 02:35	
Bromoform	ug/L	ND	5.0	04/17/14 02:35	
Bromomethane	ug/L	ND	5.0	04/17/14 02:35	
Carbon disulfide	ug/L	ND	10.0	04/17/14 02:35	
Carbon tetrachloride	ug/L	ND	5.0	04/17/14 02:35	
Chlorobenzene	ug/L	ND	5.0	04/17/14 02:35	
Chloroethane	ug/L	ND	5.0	04/17/14 02:35	
Chloroform	ug/L	ND	5.0	04/17/14 02:35	
Chloromethane	ug/L	ND	5.0	04/17/14 02:35	
cis-1,2-Dichloroethene	ug/L	ND	5.0	04/17/14 02:35	
cis-1,3-Dichloropropene	ug/L	ND	5.0	04/17/14 02:35	
Cyclohexane	ug/L	ND	100	04/17/14 02:35	N2
Dibromochloromethane	ug/L	ND	5.0	04/17/14 02:35	
Dichlorodifluoromethane	ug/L	ND	5.0	04/17/14 02:35	
Ethylbenzene	ug/L	ND	5.0	04/17/14 02:35	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	04/17/14 02:35	
Methyl acetate	ug/L	ND	50.0	04/17/14 02:35	N2
Methyl-tert-butyl ether	ug/L	ND	4.0	04/17/14 02:35	
Methylcyclohexane	ug/L	ND	50.0	04/17/14 02:35	N2
Methylene Chloride	ug/L	ND	5.0	04/17/14 02:35	
Styrene	ug/L	ND	5.0	04/17/14 02:35	
Tetrachloroethene	ug/L	ND	5.0	04/17/14 02:35	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: E027039 / Allison Trans
Pace Project No.: 5095657

METHOD BLANK: 1079279 Matrix: Water
Associated Lab Samples: 5095657019, 5095657022, 5095657023, 5095657024, 5095657025, 5095657026, 5095657027, 5095657030, 5095657031, 5095657036, 5095657038

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Toluene	ug/L	ND	5.0	04/17/14 02:35	
trans-1,2-Dichloroethene	ug/L	ND	5.0	04/17/14 02:35	
trans-1,3-Dichloropropene	ug/L	ND	5.0	04/17/14 02:35	
Trichloroethene	ug/L	ND	5.0	04/17/14 02:35	
Trichlorofluoromethane	ug/L	ND	5.0	04/17/14 02:35	
Vinyl chloride	ug/L	ND	2.0	04/17/14 02:35	
Xylene (Total)	ug/L	ND	10.0	04/17/14 02:35	
4-Bromofluorobenzene (S)	%.	98	80-114	04/17/14 02:35	
Dibromofluoromethane (S)	%.	98	79-116	04/17/14 02:35	
Toluene-d8 (S)	%.	101	81-110	04/17/14 02:35	

LABORATORY CONTROL SAMPLE: 1079280

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	55.9	112	71-129	
1,1,2,2-Tetrachloroethane	ug/L	50	54.4	109	66-126	
1,1,2-Trichloroethane	ug/L	50	53.6	107	77-130	
1,1,2-Trichlorotrifluoroethane	ug/L	50	53.8	108	68-139	
1,1-Dichloroethane	ug/L	50	48.0	96	75-130	
1,1-Dichloroethene	ug/L	50	54.7	109	68-127	
1,2,4-Trichlorobenzene	ug/L	50	45.3	91	68-131	
1,2-Dibromo-3-chloropropane	ug/L	50	42.6	85	64-124	
1,2-Dibromoethane (EDB)	ug/L	50	56.8	114	76-125	
1,2-Dichlorobenzene	ug/L	50	54.9	110	75-123	
1,2-Dichloroethane	ug/L	50	59.4	119	75-128	
1,2-Dichloropropane	ug/L	50	48.7	97	74-121	
1,3-Dichlorobenzene	ug/L	50	52.7	105	74-122	
1,4-Dichlorobenzene	ug/L	50	52.0	104	76-120	
2-Butanone (MEK)	ug/L	250	291	116	58-139	
2-Hexanone	ug/L	250	288	115	54-140	
4-Methyl-2-pentanone (MIBK)	ug/L	250	287	115	58-138	
Acetone	ug/L	250	360	144	49-150	
Benzene	ug/L	50	50.2	100	74-122	
Bromodichloromethane	ug/L	50	53.9	108	62-136	
Bromoform	ug/L	50	60.5	121	44-134	
Bromomethane	ug/L	50	76.1	152	22-181	
Carbon disulfide	ug/L	100	126	126	59-132	
Carbon tetrachloride	ug/L	50	59.7	119	56-137	
Chlorobenzene	ug/L	50	53.8	108	78-123	
Chloroethane	ug/L	50	57.3	115	60-144	
Chloroform	ug/L	50	54.0	108	78-126	
Chloromethane	ug/L	50	52.4	105	42-134	
cis-1,2-Dichloroethene	ug/L	50	56.3	113	75-122	
cis-1,3-Dichloropropene	ug/L	50	41.9	84	64-126	

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QUALITY CONTROL DATA

Project: E027039 / Allison Trans
Pace Project No.: 5095657

LABORATORY CONTROL SAMPLE: 1079280

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyclohexane	ug/L	50	54.5J	109	62-119	N2
Dibromochloromethane	ug/L	50	46.9	94	58-128	
Dichlorodifluoromethane	ug/L	50	64.1	128	35-181	
Ethylbenzene	ug/L	50	54.7	109	66-133	
Isopropylbenzene (Cumene)	ug/L	50	55.5	111	69-124	
Methyl acetate	ug/L	50	57.7	115	10-142	N2
Methyl-tert-butyl ether	ug/L	100	102	102	69-122	
Methylcyclohexane	ug/L	50	47.5J	95	63-130	N2
Methylene Chloride	ug/L	50	59.1	118	68-132	
Styrene	ug/L	50	56.7	113	74-126	
Tetrachloroethene	ug/L	50	44.7	89	69-130	
Toluene	ug/L	50	55.2	110	72-122	
trans-1,2-Dichloroethene	ug/L	50	58.6	117	72-124	
trans-1,3-Dichloropropene	ug/L	50	41.7	83	64-121	
Trichloroethene	ug/L	50	50.0	100	76-126	
Trichlorofluoromethane	ug/L	50	60.7	121	76-149	
Vinyl chloride	ug/L	50	56.8	114	59-126	
Xylene (Total)	ug/L	150	170	113	70-124	
4-Bromofluorobenzene (S)	%.			99	80-114	
Dibromofluoromethane (S)	%.			105	79-116	
Toluene-d8 (S)	%.			98	81-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1079281 1079282

Parameter	Units	5095657019 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	ND	50	50	49.5	65.2	99	130	60-138	27	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	48.1	40.9	96	82	55-128	16	20	
1,1,2-Trichloroethane	ug/L	ND	50	50	49.2	49.3	98	99	61-139	0	20	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	50	50	51.9	71.5	104	143	55-151	32	20	
1,1-Dichloroethane	ug/L	ND	50	50	44.0	56.1	88	112	57-147	24	20	
1,1-Dichloroethene	ug/L	ND	50	50	53.1	69.8	106	140	55-145	27	20	
1,2,4-Trichlorobenzene	ug/L	ND	50	50	38.5	51.1	77	102	25-143	28	20	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	50	35.2	27.6	70	55	37-130	24	20	
1,2-Dibromoethane (EDB)	ug/L	ND	50	50	51.6	44.2	103	88	63-129	15	20	
1,2-Dichlorobenzene	ug/L	ND	50	50	48.6	63.9	97	128	38-136	27	20	
1,2-Dichloroethane	ug/L	ND	50	50	56.0	54.3	112	109	62-138	3	20	
1,2-Dichloropropane	ug/L	ND	50	50	43.6	50.8	87	102	59-130	15	20	
1,3-Dichlorobenzene	ug/L	ND	50	50	45.4	61.1	91	122	28-141	29	20	
1,4-Dichlorobenzene	ug/L	ND	50	50	46.1	62.1	92	124	30-139	30	20	
2-Butanone (MEK)	ug/L	ND	250	250	258	144	103	58	37-156	57	20	
2-Hexanone	ug/L	ND	250	250	262	165	105	66	44-143	45	20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	250	257	180	103	72	46-144	35	20	
Acetone	ug/L	ND	250	250	355	197	128	65	39-156	57	20	
Benzene	ug/L	ND	50	50	46.9	56.2	94	112	62-129	18	20	
Bromodichloromethane	ug/L	ND	50	50	45.9	58.2	92	116	50-142	24	20	
Bromoform	ug/L	ND	50	50	50.0	36.5	100	73	36-125	31	20	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: E027039 / Allison Trans
Pace Project No.: 5095657

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1079281 1079282

Parameter	Units	5095657019 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Bromomethane	ug/L	ND	50	50	58.9	243	118	485	13-179	122	20	
Carbon disulfide	ug/L	ND	100	100	116	144	116	144	45-142	21	20	
Carbon tetrachloride	ug/L	ND	50	50	52.8	59.7	106	119	46-142	12	20	
Chlorobenzene	ug/L	ND	50	50	50.1	61.7	100	123	49-136	21	20	
Chloroethane	ug/L	ND	50	50	55.6	64.1	111	128	47-160	14	20	
Chloroform	ug/L	ND	50	50	50.5	58.7	101	117	54-150	15	20	
Chloromethane	ug/L	ND	50	50	49.4	3.9J	99	8	30-148		20	
cis-1,2-Dichloroethene	ug/L	ND	50	50	50.6	58.4	101	117	60-135	14	20	
cis-1,3-Dichloropropene	ug/L	ND	50	50	35.2	43.9	70	88	52-123	22	20	
Cyclohexane	ug/L	ND	50	50	51.7J	59.7J	103	119	43-135		20	N2
Dibromochloromethane	ug/L	ND	50	50	40.4	43.9	81	88	48-125	8	20	
Dichlorodifluoromethane	ug/L	ND	50	50	62.3	91.0	125	182	24-197	37	20	
Ethylbenzene	ug/L	ND	50	50	51.2	60.7	102	121	28-153	17	20	
Isopropylbenzene (Cumene)	ug/L	ND	50	50	51.7	61.2	103	122	18-152	17	20	
Methyl acetate	ug/L	ND	50	50	33.3J	ND	67	2	10-125		20	N2
Methyl-tert-butyl ether	ug/L	ND	100	100	88.6	74.3	89	74	63-130	18	20	
Methylcyclohexane	ug/L	ND	50	50	44.2J	51.9	88	104	32-155		20	N2
Methylene Chloride	ug/L	ND	50	50	55.4	55.9	111	112	45-156	1	20	
Styrene	ug/L	ND	50	50	51.5	62.8	103	126	36-139	20	20	
Tetrachloroethene	ug/L	2.6J	50	50	42.7	51.2	80	97	33-151	18	20	
Toluene	ug/L	ND	50	50	52.1	66.5	104	133	50-132	24	20	
trans-1,2-Dichloroethene	ug/L	ND	50	50	54.5	69.4	109	139	40-153	24	20	
trans-1,3-Dichloropropene	ug/L	ND	50	50	33.0	38.4	66	77	48-122	15	20	
Trichloroethene	ug/L	ND	50	50	45.9	63.1	90	124	50-143	32	20	
Trichlorofluoromethane	ug/L	ND	50	50	58.6	ND	117	1	60-175		20	
Vinyl chloride	ug/L	ND	50	50	56.5	76.7	113	153	44-145	30	20	
Xylene (Total)	ug/L	ND	150	150	159	193	106	129	29-145	19	20	
4-Bromofluorobenzene (S)	%.						102	95	80-114			
Dibromofluoromethane (S)	%.						105	96	79-116			2d
Toluene-d8 (S)	%.						100	103	81-110			

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: E027039 / Allison Trans
Pace Project No.: 5095657

QC Batch: MSV/63730 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 5095657007, 5095657028, 5095657029, 5095657032, 5095657033, 5095657040, 5095657041

METHOD BLANK: 1079902 Matrix: Water
Associated Lab Samples: 5095657007, 5095657028, 5095657029, 5095657032, 5095657033, 5095657040, 5095657041

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	04/18/14 00:16	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	04/18/14 00:16	
1,1,2-Trichloroethane	ug/L	ND	5.0	04/18/14 00:16	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	5.0	04/18/14 00:16	
1,1-Dichloroethane	ug/L	ND	5.0	04/18/14 00:16	
1,1-Dichloroethene	ug/L	ND	5.0	04/18/14 00:16	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	04/18/14 00:16	
1,2-Dibromo-3-chloropropane	ug/L	ND	10.0	04/18/14 00:16	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	04/18/14 00:16	
1,2-Dichlorobenzene	ug/L	ND	5.0	04/18/14 00:16	
1,2-Dichloroethane	ug/L	ND	5.0	04/18/14 00:16	
1,2-Dichloropropane	ug/L	ND	5.0	04/18/14 00:16	
1,3-Dichlorobenzene	ug/L	ND	5.0	04/18/14 00:16	
1,4-Dichlorobenzene	ug/L	ND	5.0	04/18/14 00:16	
2-Butanone (MEK)	ug/L	ND	25.0	04/18/14 00:16	
2-Hexanone	ug/L	ND	25.0	04/18/14 00:16	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	04/18/14 00:16	
Acetone	ug/L	ND	100	04/18/14 00:16	
Benzene	ug/L	ND	5.0	04/18/14 00:16	
Bromodichloromethane	ug/L	ND	5.0	04/18/14 00:16	
Bromoform	ug/L	ND	5.0	04/18/14 00:16	
Bromomethane	ug/L	ND	5.0	04/18/14 00:16	
Carbon disulfide	ug/L	ND	10.0	04/18/14 00:16	
Carbon tetrachloride	ug/L	ND	5.0	04/18/14 00:16	
Chlorobenzene	ug/L	ND	5.0	04/18/14 00:16	
Chloroethane	ug/L	ND	5.0	04/18/14 00:16	
Chloroform	ug/L	ND	5.0	04/18/14 00:16	
Chloromethane	ug/L	ND	5.0	04/18/14 00:16	
cis-1,2-Dichloroethene	ug/L	ND	5.0	04/18/14 00:16	
cis-1,3-Dichloropropene	ug/L	ND	5.0	04/18/14 00:16	
Cyclohexane	ug/L	ND	100	04/18/14 00:16	N2
Dibromochloromethane	ug/L	ND	5.0	04/18/14 00:16	
Dichlorodifluoromethane	ug/L	ND	5.0	04/18/14 00:16	
Ethylbenzene	ug/L	ND	5.0	04/18/14 00:16	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	04/18/14 00:16	
Methyl acetate	ug/L	ND	50.0	04/18/14 00:16	N2
Methyl-tert-butyl ether	ug/L	ND	4.0	04/18/14 00:16	
Methylcyclohexane	ug/L	ND	50.0	04/18/14 00:16	N2
Methylene Chloride	ug/L	ND	5.0	04/18/14 00:16	
Styrene	ug/L	ND	5.0	04/18/14 00:16	
Tetrachloroethene	ug/L	ND	5.0	04/18/14 00:16	
Toluene	ug/L	ND	5.0	04/18/14 00:16	
trans-1,2-Dichloroethene	ug/L	ND	5.0	04/18/14 00:16	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: E027039 / Allison Trans
Pace Project No.: 5095657

METHOD BLANK: 1079902 Matrix: Water
Associated Lab Samples: 5095657007, 5095657028, 5095657029, 5095657032, 5095657033, 5095657040, 5095657041

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
trans-1,3-Dichloropropene	ug/L	ND	5.0	04/18/14 00:16	
Trichloroethene	ug/L	ND	5.0	04/18/14 00:16	
Trichlorofluoromethane	ug/L	ND	5.0	04/18/14 00:16	
Vinyl chloride	ug/L	ND	2.0	04/18/14 00:16	
Xylene (Total)	ug/L	ND	10.0	04/18/14 00:16	
4-Bromofluorobenzene (S)	%.	98	80-114	04/18/14 00:16	
Dibromofluoromethane (S)	%.	93	79-116	04/18/14 00:16	
Toluene-d8 (S)	%.	96	81-110	04/18/14 00:16	

LABORATORY CONTROL SAMPLE: 1079903

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	50.5	101	71-129	
1,1,2,2-Tetrachloroethane	ug/L	50	51.6	103	66-126	
1,1,2-Trichloroethane	ug/L	50	49.1	98	77-130	
1,1,2-Trichlorotrifluoroethane	ug/L	50	52.3	105	68-139	
1,1-Dichloroethane	ug/L	50	43.7	87	75-130	
1,1-Dichloroethene	ug/L	50	50.7	101	68-127	
1,2,4-Trichlorobenzene	ug/L	50	44.1	88	68-131	
1,2-Dibromo-3-chloropropane	ug/L	50	40.0	80	64-124	
1,2-Dibromoethane (EDB)	ug/L	50	54.7	109	76-125	
1,2-Dichlorobenzene	ug/L	50	50.5	101	75-123	
1,2-Dichloroethane	ug/L	50	56.5	113	75-128	
1,2-Dichloropropane	ug/L	50	45.6	91	74-121	
1,3-Dichlorobenzene	ug/L	50	48.8	98	74-122	
1,4-Dichlorobenzene	ug/L	50	49.8	100	76-120	
2-Butanone (MEK)	ug/L	250	273	109	58-139	
2-Hexanone	ug/L	250	270	108	54-140	
4-Methyl-2-pentanone (MIBK)	ug/L	250	269	107	58-138	
Acetone	ug/L	250	344	137	49-150	
Benzene	ug/L	50	45.0	90	74-122	
Bromodichloromethane	ug/L	50	48.9	98	62-136	
Bromoform	ug/L	50	56.3	113	44-134	
Bromomethane	ug/L	50	69.7	139	22-181	
Carbon disulfide	ug/L	100	117	117	59-132	
Carbon tetrachloride	ug/L	50	55.4	111	56-137	
Chlorobenzene	ug/L	50	50.9	102	78-123	
Chloroethane	ug/L	50	55.7	111	60-144	
Chloroform	ug/L	50	49.8	100	78-126	
Chloromethane	ug/L	50	52.1	104	42-134	
cis-1,2-Dichloroethene	ug/L	50	49.2	98	75-122	
cis-1,3-Dichloropropene	ug/L	50	40.8	82	64-126	
Cyclohexane	ug/L	50	50.5J	101	62-119	N2
Dibromochloromethane	ug/L	50	42.7	85	58-128	
Dichlorodifluoromethane	ug/L	50	59.6	119	35-181	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: E027039 / Allison Trans
Pace Project No.: 5095657

LABORATORY CONTROL SAMPLE: 1079903

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Ethylbenzene	ug/L	50	49.9	100	66-133	
Isopropylbenzene (Cumene)	ug/L	50	50.7	101	69-124	
Methyl acetate	ug/L	50	61.3	123	10-142	N2
Methyl-tert-butyl ether	ug/L	100	95.5	96	69-122	
Methylcyclohexane	ug/L	50	45.0J	90	63-130	N2
Methylene Chloride	ug/L	50	55.1	110	68-132	
Styrene	ug/L	50	53.4	107	74-126	
Tetrachloroethene	ug/L	50	42.2	84	69-130	
Toluene	ug/L	50	51.4	103	72-122	
trans-1,2-Dichloroethene	ug/L	50	54.1	108	72-124	
trans-1,3-Dichloropropene	ug/L	50	38.6	77	64-121	
Trichloroethene	ug/L	50	45.0	90	76-126	
Trichlorofluoromethane	ug/L	50	57.8	116	76-149	
Vinyl chloride	ug/L	50	54.7	109	59-126	
Xylene (Total)	ug/L	150	158	106	70-124	
4-Bromofluorobenzene (S)	%.			98	80-114	
Dibromofluoromethane (S)	%.			103	79-116	
Toluene-d8 (S)	%.			99	81-110	

SAMPLE DUPLICATE: 1080011

Parameter	Units	5095657040 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	ND		20	
1,1,2,2-Tetrachloroethane	ug/L	ND	ND		20	
1,1,2-Trichloroethane	ug/L	ND	ND		20	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	ND		20	
1,1-Dichloroethane	ug/L	ND	ND		20	
1,1-Dichloroethene	ug/L	ND	ND		20	
1,2,4-Trichlorobenzene	ug/L	ND	3.3J		20	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0J		20	
1,2-Dibromoethane (EDB)	ug/L	ND	ND		20	
1,2-Dichlorobenzene	ug/L	ND	ND		20	
1,2-Dichloroethane	ug/L	ND	ND		20	
1,2-Dichloropropane	ug/L	ND	ND		20	
1,3-Dichlorobenzene	ug/L	ND	ND		20	
1,4-Dichlorobenzene	ug/L	ND	ND		20	
2-Butanone (MEK)	ug/L	ND	ND		20	
2-Hexanone	ug/L	ND	ND		20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	ND		20	
Acetone	ug/L	ND	ND		20	
Benzene	ug/L	ND	ND		20	
Bromodichloromethane	ug/L	ND	ND		20	
Bromoform	ug/L	ND	ND		20	
Bromomethane	ug/L	ND	ND		20	
Carbon disulfide	ug/L	ND	ND		20	
Carbon tetrachloride	ug/L	ND	ND		20	
Chlorobenzene	ug/L	ND	ND		20	

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QUALITY CONTROL DATA

Project: E027039 / Allison Trans
Pace Project No.: 5095657

SAMPLE DUPLICATE: 1080011

Parameter	Units	5095657040 Result	Dup Result	RPD	Max RPD	Qualifiers
Chloroethane	ug/L	ND	ND		20	
Chloroform	ug/L	ND	ND		20	
Chloromethane	ug/L	ND	ND		20	
cis-1,2-Dichloroethene	ug/L	ND	ND		20	
cis-1,3-Dichloropropene	ug/L	ND	ND		20	
Cyclohexane	ug/L	ND	ND		20	N2
Dibromochloromethane	ug/L	ND	3.4J		20	
Dichlorodifluoromethane	ug/L	ND	ND		20	
Ethylbenzene	ug/L	ND	ND		20	
Isopropylbenzene (Cumene)	ug/L	ND	ND		20	
Methyl acetate	ug/L	ND	ND		20	N2
Methyl-tert-butyl ether	ug/L	ND	ND		20	
Methylcyclohexane	ug/L	ND	ND		20	N2
Methylene Chloride	ug/L	ND	ND		20	
Styrene	ug/L	ND	ND		20	
Tetrachloroethene	ug/L	ND	ND		20	
Toluene	ug/L	ND	ND		20	
trans-1,2-Dichloroethene	ug/L	ND	ND		20	
trans-1,3-Dichloropropene	ug/L	ND	ND		20	
Trichloroethene	ug/L	ND	ND		20	
Trichlorofluoromethane	ug/L	ND	ND		20	
Vinyl chloride	ug/L	ND	ND		20	
Xylene (Total)	ug/L	ND	ND		20	
4-Bromofluorobenzene (S)	%.	100	103	3		
Dibromofluoromethane (S)	%.	94	91	3		H1
Toluene-d8 (S)	%.	97	99	1		

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QUALITY CONTROL DATA

Project: E027039 / Allison Trans
Pace Project No.: 5095657

QC Batch: MSV/63739 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 5095657034, 5095657035, 5095657037, 5095657039, 5095657042

METHOD BLANK: 1079951 Matrix: Water
Associated Lab Samples: 5095657034, 5095657035, 5095657037, 5095657039, 5095657042

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	04/17/14 14:42	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	04/17/14 14:42	
1,1,2-Trichloroethane	ug/L	ND	5.0	04/17/14 14:42	
1,1-Dichloroethane	ug/L	ND	5.0	04/17/14 14:42	
1,1-Dichloroethene	ug/L	ND	5.0	04/17/14 14:42	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	04/17/14 14:42	
1,2-Dibromo-3-chloropropane	ug/L	ND	10.0	04/17/14 14:42	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	04/17/14 14:42	
1,2-Dichlorobenzene	ug/L	ND	5.0	04/17/14 14:42	
1,2-Dichloroethane	ug/L	ND	5.0	04/17/14 14:42	
1,2-Dichloropropane	ug/L	ND	5.0	04/17/14 14:42	
1,3-Dichlorobenzene	ug/L	ND	5.0	04/17/14 14:42	
1,4-Dichlorobenzene	ug/L	ND	5.0	04/17/14 14:42	
2-Butanone (MEK)	ug/L	ND	25.0	04/17/14 14:42	
2-Hexanone	ug/L	ND	25.0	04/17/14 14:42	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	04/17/14 14:42	
Acetone	ug/L	ND	100	04/17/14 14:42	
Benzene	ug/L	ND	5.0	04/17/14 14:42	
Bromodichloromethane	ug/L	ND	5.0	04/17/14 14:42	
Bromoform	ug/L	ND	5.0	04/17/14 14:42	
Bromomethane	ug/L	ND	5.0	04/17/14 14:42	
Carbon disulfide	ug/L	ND	10.0	04/17/14 14:42	
Carbon tetrachloride	ug/L	ND	5.0	04/17/14 14:42	
Chlorobenzene	ug/L	ND	5.0	04/17/14 14:42	
Chloroethane	ug/L	ND	5.0	04/17/14 14:42	
Chloroform	ug/L	ND	5.0	04/17/14 14:42	
Chloromethane	ug/L	ND	5.0	04/17/14 14:42	
cis-1,2-Dichloroethene	ug/L	ND	5.0	04/17/14 14:42	
cis-1,3-Dichloropropene	ug/L	ND	5.0	04/17/14 14:42	
Cyclohexane	ug/L	ND	100	04/17/14 14:42	N2
Dibromochloromethane	ug/L	ND	5.0	04/17/14 14:42	
Dichlorodifluoromethane	ug/L	ND	5.0	04/17/14 14:42	
Ethylbenzene	ug/L	ND	5.0	04/17/14 14:42	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	04/17/14 14:42	
Methyl acetate	ug/L	ND	50.0	04/17/14 14:42	N2
Methyl-tert-butyl ether	ug/L	ND	4.0	04/17/14 14:42	
Methylcyclohexane	ug/L	ND	50.0	04/17/14 14:42	N2
Methylene Chloride	ug/L	ND	5.0	04/17/14 14:42	
Styrene	ug/L	ND	5.0	04/17/14 14:42	
Tetrachloroethene	ug/L	ND	5.0	04/17/14 14:42	
Toluene	ug/L	ND	5.0	04/17/14 14:42	
trans-1,2-Dichloroethene	ug/L	ND	5.0	04/17/14 14:42	
trans-1,3-Dichloropropene	ug/L	ND	5.0	04/17/14 14:42	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: E027039 / Allison Trans
Pace Project No.: 5095657

METHOD BLANK: 1079951 Matrix: Water
Associated Lab Samples: 5095657034, 5095657035, 5095657037, 5095657039, 5095657042

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Trichloroethene	ug/L	ND	5.0	04/17/14 14:42	
Trichlorofluoromethane	ug/L	ND	5.0	04/17/14 14:42	
Vinyl chloride	ug/L	ND	2.0	04/17/14 14:42	
Xylene (Total)	ug/L	ND	10.0	04/17/14 14:42	
4-Bromofluorobenzene (S)	%.	98	80-114	04/17/14 14:42	
Dibromofluoromethane (S)	%.	110	79-116	04/17/14 14:42	
Toluene-d8 (S)	%.	98	81-110	04/17/14 14:42	

LABORATORY CONTROL SAMPLE: 1079952

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	53.7	107	71-129	
1,1,2,2-Tetrachloroethane	ug/L	50	50.9	102	66-126	
1,1,2-Trichloroethane	ug/L	50	59.1	118	77-130	
1,1-Dichloroethane	ug/L	50	56.9	114	75-130	
1,1-Dichloroethene	ug/L	50	58.0	116	68-127	
1,2,4-Trichlorobenzene	ug/L	50	51.3	103	68-131	
1,2-Dibromo-3-chloropropane	ug/L	50	50.4	101	64-124	
1,2-Dibromoethane (EDB)	ug/L	50	57.0	114	76-125	
1,2-Dichlorobenzene	ug/L	50	56.2	112	75-123	
1,2-Dichloroethane	ug/L	50	55.7	111	75-128	
1,2-Dichloropropane	ug/L	50	56.5	113	74-121	
1,3-Dichlorobenzene	ug/L	50	56.9	114	74-122	
1,4-Dichlorobenzene	ug/L	50	56.7	113	76-120	
2-Butanone (MEK)	ug/L	250	281	113	58-139	
2-Hexanone	ug/L	250	255	102	54-140	
4-Methyl-2-pentanone (MIBK)	ug/L	250	263	105	58-138	
Acetone	ug/L	250	266	106	49-150	
Benzene	ug/L	50	52.2	104	74-122	
Bromodichloromethane	ug/L	50	54.8	110	62-136	
Bromoform	ug/L	50	52.1	104	44-134	
Bromomethane	ug/L	50	50.2	100	22-181	
Carbon disulfide	ug/L	100	115	115	59-132	
Carbon tetrachloride	ug/L	50	53.2	106	56-137	
Chlorobenzene	ug/L	50	58.0	116	78-123	
Chloroethane	ug/L	50	58.9	118	60-144	
Chloroform	ug/L	50	56.0	112	78-126	
Chloromethane	ug/L	50	48.8	98	42-134	
cis-1,2-Dichloroethene	ug/L	50	54.9	110	75-122	
cis-1,3-Dichloropropene	ug/L	50	54.1	108	64-126	
Cyclohexane	ug/L	50	61.1J	122	62-119	L3,N2
Dibromochloromethane	ug/L	50	58.3	117	58-128	
Dichlorodifluoromethane	ug/L	50	35.3	71	35-181	
Ethylbenzene	ug/L	50	54.4	109	66-133	
Isopropylbenzene (Cumene)	ug/L	50	60.0	120	69-124	

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QUALITY CONTROL DATA

Project: E027039 / Allison Trans
Pace Project No.: 5095657

LABORATORY CONTROL SAMPLE: 1079952

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Methyl acetate	ug/L	50	71.0	142	10-142	N2
Methyl-tert-butyl ether	ug/L	100	106	106	69-122	
Methylcyclohexane	ug/L	50	54.3	109	63-130	N2
Methylene Chloride	ug/L	50	53.8	108	68-132	
Styrene	ug/L	50	58.4	117	74-126	
Tetrachloroethene	ug/L	50	55.0	110	69-130	
Toluene	ug/L	50	62.4	125	72-122	L3
trans-1,2-Dichloroethene	ug/L	50	52.9	106	72-124	
trans-1,3-Dichloropropene	ug/L	50	53.2	106	64-121	
Trichloroethene	ug/L	50	56.9	114	76-126	
Trichlorofluoromethane	ug/L	50	46.6	93	76-149	
Vinyl chloride	ug/L	50	52.2	104	59-126	
Xylene (Total)	ug/L	150	165	110	70-124	
4-Bromofluorobenzene (S)	%.			102	80-114	
Dibromofluoromethane (S)	%.			93	79-116	
Toluene-d8 (S)	%.			107	81-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1079953 1079954

Parameter	Units	5095795006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	ND	50	50	58.1	58.7	116	117	60-138	1	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	52.4	50.6	105	101	55-128	3	20	
1,1,2-Trichloroethane	ug/L	ND	50	50	61.3	59.0	123	118	61-139	4	20	
1,1-Dichloroethane	ug/L	ND	50	50	61.4	61.3	123	123	57-147	0	20	
1,1-Dichloroethene	ug/L	ND	50	50	60.3	59.4	121	119	55-145	2	20	
1,2,4-Trichlorobenzene	ug/L	ND	50	50	46.2	43.5	92	87	25-143	6	20	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	50	52.8	53.9	106	108	37-130	2	20	
1,2-Dibromoethane (EDB)	ug/L	ND	50	50	60.1	57.3	120	115	63-129	5	20	
1,2-Dichlorobenzene	ug/L	ND	50	50	52.3	51.3	105	103	38-136	2	20	
1,2-Dichloroethane	ug/L	ND	50	50	59.7	58.8	119	118	62-138	1	20	
1,2-Dichloropropane	ug/L	ND	50	50	60.0	59.0	120	118	59-130	2	20	
1,3-Dichlorobenzene	ug/L	ND	50	50	50.9	48.9	102	98	28-141	4	20	
1,4-Dichlorobenzene	ug/L	ND	50	50	50.9	48.3	102	97	30-139	5	20	
2-Butanone (MEK)	ug/L	ND	250	250	296	317	118	127	37-156	7	20	
2-Hexanone	ug/L	ND	250	250	252	245	101	98	44-143	2	20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	250	269	257	107	103	46-144	5	20	
Acetone	ug/L	ND	250	250	274	271	109	108	39-156	1	20	
Benzene	ug/L	ND	50	50	55.5	55.2	111	110	62-129	1	20	
Bromodichloromethane	ug/L	ND	50	50	59.2	58.8	118	118	50-142	1	20	
Bromoform	ug/L	ND	50	50	52.8	51.1	106	102	36-125	3	20	
Bromomethane	ug/L	ND	50	50	48.5	49.8	97	100	13-179	3	20	
Carbon disulfide	ug/L	ND	100	100	119	118	119	118	45-142	1	20	
Carbon tetrachloride	ug/L	ND	50	50	55.9	56.2	112	112	46-142	1	20	
Chlorobenzene	ug/L	ND	50	50	56.4	54.9	113	110	49-136	3	20	
Chloroethane	ug/L	ND	50	50	54.9	55.7	110	111	47-160	1	20	
Chloroform	ug/L	ND	50	50	59.8	60.9	120	122	54-150	2	20	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: E027039 / Allison Trans
Pace Project No.: 5095657

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1079953 1079954

Parameter	Units	5095795006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloromethane	ug/L	ND	50	50	48.2	47.3	96	95	30-148	2	20	
cis-1,2-Dichloroethene	ug/L	ND	50	50	58.8	61.2	118	122	60-135	4	20	
cis-1,3-Dichloropropene	ug/L	ND	50	50	55.1	52.0	110	104	52-123	6	20	
Cyclohexane	ug/L	ND	50	50	63.8J	64.9J	128	130	43-135		20	N2
Dibromochloromethane	ug/L	ND	50	50	59.2	57.3	118	115	48-125	3	20	
Dichlorodifluoromethane	ug/L	ND	50	50	33.4	33.7	67	67	24-197	1	20	
Ethylbenzene	ug/L	ND	50	50	51.7	48.7	103	97	28-153	6	20	
Isopropylbenzene (Cumene)	ug/L	ND	50	50	55.1	50.3	110	101	18-152	9	20	
Methyl acetate	ug/L	ND	50	50	67.5	69.3	135	139	10-125	3	20	M0, N2
Methyl-tert-butyl ether	ug/L	ND	100	100	126	113	126	113	63-130	11	20	
Methylcyclohexane	ug/L	ND	50	50	55.7	53.4	111	107	32-155	4	20	N2
Methylene Chloride	ug/L	ND	50	50	59.5	59.3	119	119	45-156	0	20	
Styrene	ug/L	ND	50	50	56.0	51.5	112	103	36-139	8	20	
Tetrachloroethene	ug/L	ND	50	50	51.9	50.8	104	102	33-151	2	20	
Toluene	ug/L	ND	50	50	61.8	58.6	124	117	50-132	5	20	
trans-1,2-Dichloroethene	ug/L	ND	50	50	63.2	55.4	126	111	40-153	13	20	
trans-1,3-Dichloropropene	ug/L	ND	50	50	53.8	51.7	108	103	48-122	4	20	
Trichloroethene	ug/L	ND	50	50	58.6	57.0	117	114	50-143	3	20	
Trichlorofluoromethane	ug/L	ND	50	50	45.6	45.5	91	91	60-175	0	20	
Vinyl chloride	ug/L	ND	50	50	50.5	49.2	101	98	44-145	3	20	
Xylene (Total)	ug/L	ND	150	150	155	145	103	97	29-145	7	20	
4-Bromofluorobenzene (S)	%.						99	98	80-114			
Dibromofluoromethane (S)	%.						94	98	79-116			
Toluene-d8 (S)	%.						105	102	81-110			

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: E027039 / Allison Trans
Pace Project No.: 5095657

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

1d	Benzene evaluated to 5 ug/L estimated RL. AMV 4/17/14
2d	Multiple compounds have matrix spike recovery and/or RPD's that are outside acceptance limits. Refer to LCS for system control and data acceptability. AMV 4/18/14
3d	Several compounds are outside of acceptance limits for RPD value. Refer to the LCS for system control. grm 4-21-14
D4	Sample was diluted due to the presence of high levels of target analytes.
H1	Analysis conducted outside the EPA method holding time.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
N2	The lab does not hold TNI accreditation for this parameter.
S0	Surrogate recovery outside laboratory control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
5095657001	TB-01(040314)	EPA 8260	MSV/63681		
5095657002	MW-1302-S2(040314)	EPA 8260	MSV/63681		
5095657003	MW-1301-S2(040314)	EPA 8260	MSV/63681		
5095657004	MW-1206-S2(040314)	EPA 8260	MSV/63681		
5095657005	MW-1205-S2(040314)	EPA 8260	MSV/63681		
5095657006	MW-1204-S2(040314)	EPA 8260	MSV/63681		
5095657007	MW-1202-S2(040314)	EPA 8260	MSV/63730		
5095657008	FD-1(040314)-LM	EPA 8260	MSV/63684		
5095657009	MW-1207-S2(040314)	EPA 8260	MSV/63684		
5095657010	MW-1203-S2(040314)	EPA 8260	MSV/63684		
5095657011	MW-0102-S2(040314)	EPA 8260	MSV/63684		
5095657012	MW-0818-S3(040314)	EPA 8260	MSV/63684		
5095657013	MW-1306-S2(040314)	EPA 8260	MSV/63684		
5095657014	MW-0414-S2A/S2B(040314)	EPA 8260	MSV/63684		
5095657015	FD-2(040314)-LM	EPA 8260	MSV/63684		
5095657016	MW-0416-S2A(040314)	EPA 8260	MSV/63684		
5095657017	EB-1(040314)-LM	EPA 8260	MSV/63684		
5095657018	MW-0421-S2(040314)	EPA 8260	MSV/63684		
5095657019	MW-0819-S2B(040314)	EPA 8260	MSV/63686		
5095657020	MW-0420-S2A(040314)	EPA 8260	MSV/63684		
5095657021	EB-2(040314)-LM	EPA 8260	MSV/63684		
5095657022	MW-0419-S2B(040314)	EPA 8260	MSV/63686		
5095657023	MW-24-S2A(040314)	EPA 8260	MSV/63686		
5095657024	MW-1307-S2(040314)	EPA 8260	MSV/63686		
5095657025	TB-1-(040314)-AO	EPA 8260	MSV/63686		
5095657026	MW-0418-S3(040314)	EPA 8260	MSV/63686		
5095657027	MW-0426-S2B(040314)	EPA 8260	MSV/63686		
5095657028	MW-0404-S2B(040314)	EPA 8260	MSV/63730		
5095657029	MW-0904-S2B(040314)	EPA 8260	MSV/63730		
5095657030	MW-0417-S3(040314)	EPA 8260	MSV/63686		
5095657031	MW-0108-S2B(040314)	EPA 8260	MSV/63686		
5095657032	MW-0409-S3(040314)	EPA 8260	MSV/63730		
5095657033	MW-0202-S2B(040314)	EPA 8260	MSV/63730		
5095657034	MW-S2-0601(040314)	EPA 8260	MSV/63739		
5095657035	MW-S3-0601(040314)	EPA 8260	MSV/63739		
5095657036	MW-S2A-0501(040314)	EPA 8260	MSV/63686		
5095657037	MW-S2B-0501(040314)	EPA 8260	MSV/63739		
5095657038	MW-S3-0501(040314)	EPA 8260	MSV/63686		
5095657039	MW-0406-S2B(040314)	EPA 8260	MSV/63739		
5095657040	MW-0817-S2B(040314)	EPA 8260	MSV/63730		
5095657041	MW-0817-S3(040314)	EPA 8260	MSV/63730		

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.
1233 Dublin Road
Columbus, OH 43215
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: E027039 / Allison Trans
Pace Project No.: 5095657

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
5095657042	**MW-1305-S2(040314)**	EPA 8260	MSV/63739		

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY / Analytical Request Document

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PAGE 1 OF 2

ID # Nº 03858

SSOW Ref. Code: EO27039

Required Client Information:

Company: ARCADIS	Report To: Heather Eastman-Lyons
Address: 132 E. Washington St. Ste 600, Indianapolis, IN 46201	Copy To: Sarah Foster
	Invoice To:
	P.O.:
Phone: 317-231-6500	Project Name: Allison T
Fax: 317-231-6514	Project Number: IN000113.0019.00002
E-mail: Heather.Eastman-Lyons@arcadis-us.com	

Laboratory: Pace Analytical	
Laboratory Location: Indianapolis, IN	
Laboratory Contact: Donna Spyker	
Requested Due Date: Std	TAT: Std.
QA/QC Requirements: Level IV QAQC	

Analysis and Method

5095657

Sample Identification:	Matrix Code	Date Collected	Time Collected	# Containers	Preservative: Unpreserved	HCl	H2SO4	HNO3	NaOH	Other:	VOC 8260	Remarks/Lab ID
1. TB-01(040314)-LM	WB	Lab supplied		3		X					X	001
2. MW-1302-S2 (040314)	WG	4.3.14	0835	3		X					X	002
3. MW-1301-S2 (040314)	WG	4.3.14	0845	3		X					X	003
4. MW-1206-S2 (040314)	WG	4.3.14	0850	3		X					X	004
5. MW-1205-S2 (040314)	WG	4.3.14	0920	3		X					X	005
6. MW-1204-S2 (040314)	WG	4.3.14	0925	3		X					X	006
7. MW-1202-S2 (040314)	WG	4.3.14	0930	3		X					X	007
8. FD-1(040314)-LM	WG	4.3.14	—	3		X					X	008
9. MW-1207-S2 (040314)	WG	4.3.14	0935	3		X					X	009
10. MW-1203-S2 (040314)	WG	4.3.14	0940	3		X					X	010
11. MW-0102-S2 (040314)	WG	4.3.14	1125	3		X					X	011
12. MW-0818-S3 (040314)	WG	4.3.14	1130	3		X					X	012
13. MW-1306-S2 (040314)	WG	4.3.14	1135	3		X					X	013
14. MW-0414-S2A/S2B (040314)	WG	4.3.14	1140	3		X					X	014
15. FD-2 (040314)-LM	WG	4.3.14	—	3		X					X	015
TOTAL NUMBER OF CONTAINERS												

Valid Matrix Codes: WG Groundwater; WB Borehole Water; WS Surface Water; SO Soil; SE Sediment; See Back for Additional Codes

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY / AFFILIATION	DATE	TIME	RECEIVED BY / AFFILIATION	DATE	TIME
		[signature] / ARCADIS	4.3.14	14:30	[signature] / ARCADIS	4/3/14	14:30
AIRBILL NO.		[signature] / ARCADIS	4/3/14	14:45	[signature]	4/3/14	14:45

Sample Condition

Temp in °C	4°C
Received on Ice	(Y) / N
Sealed Cooler	Y / (N)
Samples Intact	(Y) / N

Additional Comments:

WO# / Client

Sampler Name: Luke Martin

Sampler Signature: [signature] Date: 4.3.14

Distribution: WHITE - Fully Executed Copy; YELLOW - Receiving Laboratory Copy; PINK - Sampler Copy

Reference 23 Page 685

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CHAIN-OF-CUSTODY / Analytical Request Document

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PAGE 2 OF 2

ID # № 03856

SSOW Ref. Code: E027039

Required Client Information:

Company: ARCADIS	Report To: Heather Gastineau-Lyons
Address: 132 E Washington St. Ste 600, Indianapolis, IN 46201	Copy To: Sarah Fisher
	Invoice To:
	P.O.:
Phone: 317-231-6500	Project Name: Allison T
Fax: 317-231-6519	Project Number: IN800473.0019.00002
E-mail: Heather.Gastineau-Lyons@arcadis-us.com	

Laboratory: Pace Analytical	
Laboratory Location: Indianapolis, IN	
Laboratory Contact: Donna Spyker	
Requested Due Date: Std	TAT: Std.
QA/QC Requirements: Level IV QAQC	

5095657

Valid Matrix Codes:
WG Groundwater
WB Borehole Water
WS Surface Water
SO Soil
SE Sediment
See Back for Additional Codes

Preservative / Analysis and Method

	Sample Identification:	Matrix Code	Date Collected	Time Collected	# Containers	Unpreserved	HCl	H2SO4	HNO3	NaOH	Other:	VOC 8260	Remarks/Lab ID
1.	MW-0416-S2A (040314)	WG		1145	9		X					X	MSMSD 016
2.	EB-1 (040314)-LM	WGQ		1150	3		X					X	017
3.	MW-0421-S2 (040314)	WG		1220	3		X					X	018
4.	MW-0819-S2B (040314)	WG		1225	9		X					X	MSMSD 019
5.	MW-0420-S2A (040314)	WG		1230	3		X					X	020
6.	EB-2 (040314)-LM	WGQ		1240	3		X					X	021
7.	MW-0419-S2B (040314)	WG		1300	3		X					X	022
8.	MW-24-S2A (040314)	WG		1310	3		X					X	023
9.	MW-1307-S2 (040314)	WG		1315	3		X					X	024
10.													
11.													
12.													
13.													
14.													
15.													
	TOTAL NUMBER OF CONTAINERS												

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY / AFFILIATION	DATE	TIME	RECEIVED BY / AFFILIATION	DATE	TIME
		[signature] ARCADIS	4-3-14	14:30	[signature] ARCADIS	4/3/14	14:30
AIRBILL NO.		[signature] Oppelt / ARCADIS	4/3/14		[signature]	4-3-14	14:44

Sample Condition

Temp in °C	5.9
Received on Ice	(Y) / N
Sealed Cooler	(Y) N
Samples Intact	(Y) N

Additional Comments:

Sampler Name: Luke Martin

Sampler Signature: [signature] Date: 4-3-14

WI / Client

Distribution: WHITE - Fully Executed Copy YELLOW - Receiving Laboratory Copy PINK - Sampler Copy

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CHAIN-OF-CUSTODY / Analytical Request Document

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PAGE 1 OF 2

ID # Nº 04319

SSOW Ref. Code: E027039

Required Client Information:

Company: ARCADIS	Report To: HEATHER GASTINEAU-LYONS	Laboratory: PACE ANALYTICAL	
Address: 132 E WASHINGTON ST	Copy To: SARAH FISHER	Laboratory Location: INDIANAPOLIS	
SUITE 600	Invoice To:	Laboratory Contact: DONNA SPYKER	
INDIANAPOLIS, IN 46204	P.O.:	Requested Due Date:	TAT: STD
Phone: 317-231-6500	Project Name: ALLISON TRANS	QA/QC Requirements: LEVEL IV	
Fax: 317-231-6574	Project Number: IN000473.0019.00003		
E-mail: HEATHER.GASTINEAU-LYONS@ARCADIS-US.COM			

Valid Matrix Codes: WG Groundwater; WB Borehole Water; WS Surface Water; SO Soil; SE Sediment; See Back for Additional Codes

Analysis and Method

5095657

	Sample Identification:	Matrix Code	Date Collected	Time Collected	# Containers	Preservative: Unpreserved	HCl	H2SO4	HNO3	NaOH	Other:	VOCs 8260												Remarks/Lab ID
1.	TB-1-(040314)-AO	WG	LAB PROVIDED		3		X					X												025
2.	MW-0418-S3(040314)	WG	4/3/2014	8:50	3		X					X												026
3.	MW-0426-S2B(040314)	WG	4/3/2014	9:05	3		X					X												027
4.	MW-0404-S2B(040314)	WG	4/3/2014	9:30	3		X					X												028
5.	MW-0904-S2B(040314)	WG	4/3/2014	9:45	3		X					X												029
6.	MW-0417-S3(040314)	WG	4/3/2014	10:00	3		X					X												030
7.	MW-0108-S2B(040314)	WG	4/3/2014	10:15	3		X					X												031
8.	MW-0409-S3(040314)	WG	4/3/2014	10:25	3		X					X												032
9.	MW-0202-S2B(040314)	WG	4/3/2014	11:00	3		X					X												033
10.	MW-S2-0601(040314)	WG	4/3/2014	11:55	3		X					X												034
11.	MW-S3-0601(040314)	WG	4/3/2014	12:10	3		X					X												035
12.	MW-S2A-0501(040314)	WG	4/3/2014	12:15	3		X					X												036
13.	MW-S2B-0501(040314)	WG	4/3/2014	12:25	3		X					X												037
14.	MW-S3-0501(040314)	WG	4/3/2014	12:35	3		X					X												038
15.	MW-0406-S2B(040314)	WG	4/3/2014	12:45	3		X					X												039
	TOTAL NUMBER OF CONTAINERS																							

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY / AFFILIATION	DATE	TIME	RECEIVED BY / AFFILIATION	DATE	TIME
	1	Alexandra Oppelt	04/03/14	14:45	[illegible]	4-3-14	14:45
AIRBILL NO.							

Sample Condition

Temp in °C	5.9
Received on Ice	(Y) N
Sealed Cooler	Y (N)
Samples Intact	(Y) N

Additional Comments:

W.I. Clearcut

Sampler Name: ALEXANDRA OPPELT

Sampler Signature: Alexandra Oppelt Date: 04/03/14

Distribution: WHITE - Fully Executed Copy YELLOW - Receiving Laboratory Copy PINK - Sampler Copy

REV. 0 (6/04)

Reference 23 Page 687

CHAIN-OF-CUSTODY / Analytical Request Document

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PAGE 2 OF 2

ID # № 04000

SSOW Ref. Code: E027039

Required Client Information:

Company: ARCADIS	Report To: HEATHER GASTINEAU LYONS	Laboratory: PACE ANALYTICAL	
Address: 132 E WASHINGTON ST	Copy To: SARAH FISHER	Laboratory Location: INDIANAPOLIS	
SUITE 600	Invoice To:	Laboratory Contact: DONNA SPYKER	
INDIANAPOLIS IN 46204	P.O.:	Requested Due Date:	TAT: STD
Phone: 317-231-6500	Project Name: ALLISON TRANS	QA/QC Requirements: LEVEL IV	
Fax: 317-231-6574	Project Number: IN000473.0019		
E-mail: HEATHER.GASTINEAU.LYONS@ARCADIS-US.COM			

Analysis and Method

5095657

Preservative

Sample Identification:	Matrix Code	Date Collected	Time Collected	# Containers	Unpreserved	HCl	H2SO4	HNO3	NaOH	Other:	VOCs 8260	Remarks/Lab ID
1. MW-0817-S2B (040314)	WG	4/3/2014	12:55	3		X					X	040
2. MW-0817-S3 (040314)	WG	4/3/2014	13:05	3		X					X	041
3. MW-1305-S2 (040314)	WG	4/3/2014	13:20	3		X					X	042
4.												
5.												
6.												
7.												
8.												
9.												
10.												
11.												
12.												
13.												
14.												
15.												
TOTAL NUMBER OF CONTAINERS												

Valid Matrix Codes:
WG Groundwater
WB Borehole Water
WS Surface Water
SO Soil
SE Sediment
See Back for Additional Codes

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY / AFFILIATION	DATE	TIME	RECEIVED BY / AFFILIATION	DATE	TIME
		Alexander Oppelt	04/03/14	14:46	[illegible]	4-3-14	14:46
AIRBILL NO.							

Sample Condition

Temp in °C	5.9
Received on Ice	Y / N
Sealed Cooler	Y / N
Samples Intact	Y / N

Additional Comments:

WI / Client

Sampler Name: ALEXANDER OPPELT

Sampler Signature: Alexander Oppelt Date: 04/03/14

Distribution: WHITE - Fully Executed Copy YELLOW - Receiving Laboratory Copy PINK - Sampler Copy

REV. 0 (6-04)

Reference 23 Page 688

Sample Condition Upon Receipt

Pace Analytical

Client Name: Arcadis Project # 5095657

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☑ Client ☐ Commercial ☐ Pace Other _____

Tracking #: _____

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☑ no

Date/Time 5035A kits placed in freezer: _____

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ None ☑ Other FOAM

Thermometer Used: 1 2 3 4 6 A B C D E (C) Type of Ice: (Wet) Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature (Corrected, if applicable): 5.9 Ice Visible in Sample Containers: ☐ yes ☑ no

Temp should be above freezing to 6°C

Comments:

Date and initials of person examining contents: H.S. 4-8-14

Chain of Custody Present:	☑Yes	☐No	☐N/A	1.
Chain of Custody Filled Out:	☑Yes	☐No	☐N/A	2.
Chain of Custody Relinquished:	☑Yes	☐No	☐N/A	3.
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A	4.
Short Hold Time Analysis (<72hr):	☐Yes	☑No	☐N/A	5.
Rush Turn Around Time Requested:	☐Yes	☑No	☐N/A	6.
Containers Intact:	☑Yes	☐No	☐N/A	7.
Sample Labels match COC: -Includes date/time/ID/Analysis	☑Yes	☐No	☐N/A	8.
All containers needing acid/base pres. have been checked? exceptions: VOA, coliform, TOC, O&G	☐Yes	☐No	☑N/A	9. (Circle) HNO3 H2SO4 NaOH HCl
All containers needing preservation are found to be in compliance with EPA recommendation (<2, >9, >12) unless otherwise noted.				
Headspace in VOA Vials (>6mm):	☐Yes	☑No	☐N/A	10.
Trip Blank Present:	☑Yes	☐No	☐N/A	11.
Trip Blank Custody Seals Present	☑Yes	☐No	☐N/A	
Project Manager Review				
Samples Arrived within Hold Time:	☑Yes	☐No	☐N/A	12.
Sufficient Volume:	☑Yes	☐No	☐N/A	13.
Correct Containers Used:	☑Yes	☐No	☐N/A	14.

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: COC # 03858, 03856

Project Manager Review: _____ **Date:** 4/3/14

Form F-IN-Q-290-rev.05, 10Sep2013

Sample Condition Upon Receipt

Pace Analytical Client Name: ARCADIS Project # 5095657

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☑ Client ☐ Commercial ☐ Pace Other _____

Tracking #: _____

Custody Seal on Cooler/Box Present: ☑ yes ☐ no Seals Intact: ☑ yes ☐ no

Date/Time 5035A kits placed in freezer: _____

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☑ Other Ziploc

Thermometer Used 1 2 3 4 6 A B C D E Type of ice: Wet Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature 5.9 Ice Visible in Sample Containers: ☐ yes ☑ no

(Corrected, if applicable)

Temp should be above freezing to 6°C

Comments:

Date and initials of person examining contents: H.S. 4-3-14

Chain of Custody Present:	☑Yes	☐No	☐N/A	1.
Chain of Custody Filled Out:	☑Yes	☐No	☐N/A	2.
Chain of Custody Relinquished:	☑Yes	☐No	☐N/A	3.
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A	4.
Short Hold Time Analysis (<72hr):	☐Yes	☑No	☐N/A	5.
Rush Turn Around Time Requested:	☐Yes	☑No	☐N/A	6.
Containers Intact:	☑Yes	☐No	☐N/A	7.
Sample Labels match COC: -Includes date/time/ID/Analysis	☑Yes	☐No	☐N/A	8.
All containers needing acid/base pres. have been checked? exceptions: VOA, coliform, TOC, O&G	☐Yes	☐No	☑N/A	9. (Circle) HNO3 H2SO4 NaOH HCl
All containers needing preservation are found to be in compliance with EPA recommendation (<2, >9, >12) unless otherwise noted.				
Headspace in VOA Vials (>6mm):	☐Yes	☑No	☐N/A	10.
Trip Blank Present:	☑Yes	☐No	☐N/A	11.
Trip Blank Custody Seals Present	☑Yes	☐No	☐N/A	
Project Manager Review				
Samples Arrived within Hold Time:	☑Yes	☐No	☐N/A	12.
Sufficient Volume:	☑Yes	☐No	☐N/A	13.
Correct Containers Used:	☑Yes	☐No	☐N/A	14.

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: COCs 04319, 04000

Project Manager Review: _____ **Date:** 4/3/14

Form F-IN-Q-290-rev.05, 10Sep2013

Sample Container Count

CLIENT: Arcadis

COC PAGE 1 of 2
COC ID# 03858

Project # 8095657

Sample Line Item	DG9H	AG1U	WGFU	AG0U	R	4/6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	BP3C	BP1U	SPST		pH <2	pH>12	Comments
1	3																				Trip Blank
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

Container Codes

DG9H	40mL HCL amber voa vial	AG0U	100mL unpreserved amber gl	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber gla	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	I	Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber g	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber g	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gl	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

Sample Container Count

CLIENT: Arcadis

COC PAGE 1 of 2
COC ID# 03858

Project # 5095657

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Sample Line Item	DG9H	AG1U	WGFU	AG0U	R	4 / 6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	BP3C	BP1U	SPST	_____	pH <2	pH>12	Comments
13	3																				
14	3																				
15	3																				
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

Container Codes

DG9H	40mL HCL amber voa vial	AG0U	100mL unpreserved amber gl	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber gla	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber g	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	I	Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber g	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber g	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gl	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

Sample Container Count

CLIENT: Arcadis

COC PAGE 2 of 2
COC ID# 03856

Project # 5095657

Sample Line Item

Item	DG9H	AG1U	WGFU	AG0U	R	4/6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	BP3C	BP1U	SPST		pH <2	pH>12	Comments
1	9																				MS/MSD
2	3																				
3	3																				
4	9																				MS/MSD
5	3																				
6																					
7																					
8																					
9																					
10																					
11																					
12																					

Container Codes

DG9H	40mL HCL amber voa vial	AG0U	100mL unpreserved amber gl	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber gla	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber g	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	I	Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber g	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber g	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gl	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

Sample Container Count

CLIENT: Arcadis

COC PAGE 1 of 2
COC ID# 84319

Project # 6095657

Pace Analytical
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Sample Line Item	DG9H	AG1U	WGFU	AG0U	R	4 / 6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	BP3C	BP1U	SPST	_____	pH <2	pH>12	Comments
1	3																				Trip Blank
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

Container Codes

DG9H	40mL HCL amber voa vial	AG0U	100mL unpreserved amber gl	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber gla	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber g	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved **amber** vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	I	Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber g	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber g	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved **clear** vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gl	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

Sample Container Count

CLIENT: Arendi's

COC PAGE 1 of 2
COC ID# 04319

Project # 5095657

Pace Analytical
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Sample Line Item	DG9H	AG1U	WGFU	AG0U	R	4 / 6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	BP3C	BP1U	SPST	_____	pH <2	pH>12	Comments
13 1	3																				
14 2	3																				
15 3	3																				
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

Container Codes

DG9H	40mL HCL amber voa vial	AG0U	100mL unpreserved amber gl	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber gla	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber g	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	I	Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber g	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber g	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gl	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

Sample Container Count

CLIENT: Arcadis

COC PAGE 2 of 2
COC ID# 04000

Project # 5095657

Sample Line Item	DG9H	AG1U	WGFU	AG0U	R 4/6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	BP3C	BP1U	SPST	____	pH <2	pH>12	Comments
1	3																			
2	3																			
3	3																			
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				

Container Codes

DG9H	40mL HCL amber voa vial	AG0U	100mL unpreserved amber gl	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber gla	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber g	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	I	Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber g	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber g	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gl	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

Analytical Data Package

Prepared by:

Pace Analytical Services - Indiana

Pace Project No.: 5096676

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May 16, 2014

Case Narrative—Level Project Review
Project 5096676 (Conestoga-Rovers and Associates)

General Reporting Comments

Quality control issues or reported footnotes that require more detailed information will be covered in this case narrative. Dilutions of samples are indicated in the sample results section under the heading 'Dl'. The raw sample and calibration data is included following the body of the report. This raw data is separated by analysis and then further separated into categories of information.

Sample Receiving

No discrepancies were noted concerning sample receipt or sample transfer.

GC/MS Volatiles—Method 8260C

Analysis was performed according to standard operating procedures. All quality control requirements were met.

I have reviewed the data from this project and have found all other discrepancies to be sufficiently covered in the footnotes in the report or documented within the raw data.

Theresa L Sheingold

Theresa Sheingold
Quality Analyst
Pace Analytical Services

Pace Analytical Services, Inc.
1233 Dublin Road
Columbus, OH 43215
(614)486-5421

Pace Analytical Services, Inc.
6775 Mallory Road
Indianapolis, IN 46268
(317)228-3100

May 08, 2014

Ms. Susan Scrocchi
Conestoga-Rovers and Associates
2055 Niagara Falls Blvd
Suite 2
Niagara Falls, NY 14304

RE: Project: E027039 / Allison Trans
Pace Project No.: 5096676

Dear Ms. Scrocchi:
Enclosed are the analytical results for sample(s) received by the laboratory on April 24, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Donna S. Spyker

Donna Spyker
donna.spyker@pacelabs.com
Project Manager

Enclosures

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Columbus, OH 43215
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Indianapolis, IN 46268
(317)228-3100

CERTIFICATIONS

Project: E027039 / Allison Trans
Pace Project No.: 5096676

Indiana Certification IDs
7726 Moller Road, Indianapolis, IN 46268
Illinois Certification #: 200074
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky UST Certification #: 0042
Louisiana/NELAP Certification #: 04076
Ohio VAP Certification #: CL-0065
West Virginia Certification #: 330

REPORT OF LABORATORY ANALYSIS

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Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: E027039 / Allison Trans
Pace Project No.: 5096676

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5096676001	TB-01 (042414)	Water	04/24/14 08:00	04/24/14 13:35
5096676002	PW-2-S3(042414)	Water	04/24/14 12:55	04/24/14 13:35

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Pace Analytical Services, Inc.
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SAMPLE ANALYTE COUNT

Project: E027039 / Allison Trans
Pace Project No.: 5096676

Lab ID	Sample ID	Method	Analysts	Analytes Reported
5096676001	TB-01 (042414)	EPA 8260	DAE	51
5096676002	PW-2-S3(042414)	EPA 8260	DAE	51

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5096676

Sample: TB-01 (042414) **Lab ID: 5096676001** Collected: 04/24/14 08:00 Received: 04/24/14 13:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		05/06/14 14:34	67-64-1	
Benzene	ND	ug/L	5.0	1		05/06/14 14:34	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		05/06/14 14:34	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/06/14 14:34	75-25-2	
Bromomethane	ND	ug/L	5.0	1		05/06/14 14:34	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		05/06/14 14:34	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		05/06/14 14:34	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		05/06/14 14:34	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/06/14 14:34	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/06/14 14:34	75-00-3	
Chloroform	ND	ug/L	5.0	1		05/06/14 14:34	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/06/14 14:34	74-87-3	
Cyclohexane	ND	ug/L	100	1		05/06/14 14:34	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		05/06/14 14:34	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		05/06/14 14:34	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		05/06/14 14:34	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		05/06/14 14:34	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		05/06/14 14:34	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		05/06/14 14:34	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/06/14 14:34	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		05/06/14 14:34	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		05/06/14 14:34	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		05/06/14 14:34	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		05/06/14 14:34	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		05/06/14 14:34	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		05/06/14 14:34	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/06/14 14:34	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/06/14 14:34	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/06/14 14:34	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		05/06/14 14:34	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		05/06/14 14:34	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		05/06/14 14:34	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		05/06/14 14:34	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		05/06/14 14:34	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		05/06/14 14:34	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		05/06/14 14:34	1634-04-4	
Styrene	ND	ug/L	5.0	1		05/06/14 14:34	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/06/14 14:34	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		05/06/14 14:34	127-18-4	
Toluene	ND	ug/L	5.0	1		05/06/14 14:34	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		05/06/14 14:34	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/06/14 14:34	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		05/06/14 14:34	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		05/06/14 14:34	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/06/14 14:34	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		05/06/14 14:34	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		05/06/14 14:34	75-01-4	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5096676

Sample: TB-01 (042414) **Lab ID: 5096676001** Collected: 04/24/14 08:00 Received: 04/24/14 13:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		05/06/14 14:34	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101	%.	79-116	1		05/06/14 14:34	1868-53-7	
4-Bromofluorobenzene (S)	97	%.	80-114	1		05/06/14 14:34	460-00-4	
Toluene-d8 (S)	102	%.	81-110	1		05/06/14 14:34	2037-26-5	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5096676

Sample: PW-2-S3(042414) **Lab ID: 5096676002** Collected: 04/24/14 12:55 Received: 04/24/14 13:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		05/06/14 15:07	67-64-1	
Benzene	ND	ug/L	5.0	1		05/06/14 15:07	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		05/06/14 15:07	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/06/14 15:07	75-25-2	
Bromomethane	ND	ug/L	5.0	1		05/06/14 15:07	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		05/06/14 15:07	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		05/06/14 15:07	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		05/06/14 15:07	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/06/14 15:07	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/06/14 15:07	75-00-3	
Chloroform	ND	ug/L	5.0	1		05/06/14 15:07	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/06/14 15:07	74-87-3	
Cyclohexane	ND	ug/L	100	1		05/06/14 15:07	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		05/06/14 15:07	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		05/06/14 15:07	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		05/06/14 15:07	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		05/06/14 15:07	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		05/06/14 15:07	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		05/06/14 15:07	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/06/14 15:07	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		05/06/14 15:07	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		05/06/14 15:07	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		05/06/14 15:07	75-35-4	
cis-1,2-Dichloroethene	**47.8**	ug/L	5.0	1		05/06/14 15:07	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		05/06/14 15:07	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		05/06/14 15:07	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/06/14 15:07	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/06/14 15:07	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/06/14 15:07	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		05/06/14 15:07	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		05/06/14 15:07	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		05/06/14 15:07	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		05/06/14 15:07	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		05/06/14 15:07	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		05/06/14 15:07	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		05/06/14 15:07	1634-04-4	
Styrene	ND	ug/L	5.0	1		05/06/14 15:07	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/06/14 15:07	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		05/06/14 15:07	127-18-4	
Toluene	ND	ug/L	5.0	1		05/06/14 15:07	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		05/06/14 15:07	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/06/14 15:07	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		05/06/14 15:07	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		05/06/14 15:07	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/06/14 15:07	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		05/06/14 15:07	76-13-1	
Vinyl chloride	**13.8**	ug/L	2.0	1		05/06/14 15:07	75-01-4	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5096676

Sample: PW-2-S3(042414) **Lab ID: 5096676002** Collected: 04/24/14 12:55 Received: 04/24/14 13:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		05/06/14 15:07	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	100	%.	79-116	1		05/06/14 15:07	1868-53-7	
4-Bromofluorobenzene (S)	96	%.	80-114	1		05/06/14 15:07	460-00-4	
Toluene-d8 (S)	100	%.	81-110	1		05/06/14 15:07	2037-26-5	

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QUALITY CONTROL DATA

Project: E027039 / Allison Trans
Pace Project No.: 5096676

QC Batch: MSV/64381 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 5096676001, 5096676002

METHOD BLANK: 1088989 Matrix: Water
Associated Lab Samples: 5096676001, 5096676002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	05/06/14 13:28	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	05/06/14 13:28	
1,1,2-Trichloroethane	ug/L	ND	5.0	05/06/14 13:28	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	5.0	05/06/14 13:28	
1,1-Dichloroethane	ug/L	ND	5.0	05/06/14 13:28	
1,1-Dichloroethene	ug/L	ND	5.0	05/06/14 13:28	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	05/06/14 13:28	
1,2-Dibromo-3-chloropropane	ug/L	ND	10.0	05/06/14 13:28	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	05/06/14 13:28	
1,2-Dichlorobenzene	ug/L	ND	5.0	05/06/14 13:28	
1,2-Dichloroethane	ug/L	ND	5.0	05/06/14 13:28	
1,2-Dichloropropane	ug/L	ND	5.0	05/06/14 13:28	
1,3-Dichlorobenzene	ug/L	ND	5.0	05/06/14 13:28	
1,4-Dichlorobenzene	ug/L	ND	5.0	05/06/14 13:28	
2-Butanone (MEK)	ug/L	ND	25.0	05/06/14 13:28	
2-Hexanone	ug/L	ND	25.0	05/06/14 13:28	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	05/06/14 13:28	
Acetone	ug/L	ND	100	05/06/14 13:28	
Benzene	ug/L	ND	5.0	05/06/14 13:28	
Bromodichloromethane	ug/L	ND	5.0	05/06/14 13:28	
Bromoform	ug/L	ND	5.0	05/06/14 13:28	
Bromomethane	ug/L	ND	5.0	05/06/14 13:28	
Carbon disulfide	ug/L	ND	10.0	05/06/14 13:28	
Carbon tetrachloride	ug/L	ND	5.0	05/06/14 13:28	
Chlorobenzene	ug/L	ND	5.0	05/06/14 13:28	
Chloroethane	ug/L	ND	5.0	05/06/14 13:28	
Chloroform	ug/L	ND	5.0	05/06/14 13:28	
Chloromethane	ug/L	ND	5.0	05/06/14 13:28	
cis-1,2-Dichloroethene	ug/L	ND	5.0	05/06/14 13:28	
cis-1,3-Dichloropropene	ug/L	ND	5.0	05/06/14 13:28	
Cyclohexane	ug/L	ND	100	05/06/14 13:28	N2
Dibromochloromethane	ug/L	ND	5.0	05/06/14 13:28	
Dichlorodifluoromethane	ug/L	ND	5.0	05/06/14 13:28	
Ethylbenzene	ug/L	ND	5.0	05/06/14 13:28	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	05/06/14 13:28	
Methyl acetate	ug/L	ND	50.0	05/06/14 13:28	N2
Methyl-tert-butyl ether	ug/L	ND	4.0	05/06/14 13:28	
Methylcyclohexane	ug/L	ND	50.0	05/06/14 13:28	N2
Methylene Chloride	ug/L	ND	5.0	05/06/14 13:28	
Styrene	ug/L	ND	5.0	05/06/14 13:28	
Tetrachloroethene	ug/L	ND	5.0	05/06/14 13:28	
Toluene	ug/L	ND	5.0	05/06/14 13:28	
trans-1,2-Dichloroethene	ug/L	ND	5.0	05/06/14 13:28	

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QUALITY CONTROL DATA

Project: E027039 / Allison Trans
Pace Project No.: 5096676

METHOD BLANK: 1088989 Matrix: Water
Associated Lab Samples: 5096676001, 5096676002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
trans-1,3-Dichloropropene	ug/L	ND	5.0	05/06/14 13:28	
Trichloroethene	ug/L	ND	5.0	05/06/14 13:28	
Trichlorofluoromethane	ug/L	ND	5.0	05/06/14 13:28	
Vinyl chloride	ug/L	ND	2.0	05/06/14 13:28	
Xylene (Total)	ug/L	ND	10.0	05/06/14 13:28	
4-Bromofluorobenzene (S)	%.	97	80-114	05/06/14 13:28	
Dibromofluoromethane (S)	%.	102	79-116	05/06/14 13:28	
Toluene-d8 (S)	%.	101	81-110	05/06/14 13:28	

LABORATORY CONTROL SAMPLE: 1088990

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	49.2	98	71-129	
1,1,2,2-Tetrachloroethane	ug/L	50	45.8	92	66-126	
1,1,2-Trichloroethane	ug/L	50	48.6	97	77-130	
1,1,2-Trichlorotrifluoroethane	ug/L	50	46.9	94	68-139	
1,1-Dichloroethane	ug/L	50	40.5	81	75-130	
1,1-Dichloroethene	ug/L	50	46.7	93	68-127	
1,2,4-Trichlorobenzene	ug/L	50	58.9	118	68-131	
1,2-Dibromo-3-chloropropane	ug/L	50	40.7	81	64-124	
1,2-Dibromoethane (EDB)	ug/L	50	51.3	103	76-125	
1,2-Dichlorobenzene	ug/L	50	50.7	101	75-123	
1,2-Dichloroethane	ug/L	50	45.6	91	75-128	
1,2-Dichloropropane	ug/L	50	46.3	93	74-121	
1,3-Dichlorobenzene	ug/L	50	49.0	98	74-122	
1,4-Dichlorobenzene	ug/L	50	48.0	96	76-120	
2-Butanone (MEK)	ug/L	250	225	90	58-139	
2-Hexanone	ug/L	250	242	97	54-140	
4-Methyl-2-pentanone (MIBK)	ug/L	250	239	95	58-138	
Acetone	ug/L	250	282	113	49-150	
Benzene	ug/L	50	44.3	89	74-122	
Bromodichloromethane	ug/L	50	48.2	96	62-136	
Bromoform	ug/L	50	40.8	82	44-134	
Bromomethane	ug/L	50	66.5	133	22-181	
Carbon disulfide	ug/L	100	94.0	94	59-132	
Carbon tetrachloride	ug/L	50	52.4	105	56-137	
Chlorobenzene	ug/L	50	49.6	99	78-123	
Chloroethane	ug/L	50	61.5	123	60-144	
Chloroform	ug/L	50	43.8	88	78-126	
Chloromethane	ug/L	50	47.6	95	42-134	
cis-1,2-Dichloroethene	ug/L	50	43.8	88	75-122	
cis-1,3-Dichloropropene	ug/L	50	45.8	92	64-126	
Cyclohexane	ug/L	50	ND	96	62-119	N2
Dibromochloromethane	ug/L	50	45.6	91	58-128	
Dichlorodifluoromethane	ug/L	50	63.0	126	35-181	

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QUALITY CONTROL DATA

Project: E027039 / Allison Trans
Pace Project No.: 5096676

LABORATORY CONTROL SAMPLE: 1088990

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Ethylbenzene	ug/L	50	49.2	98	66-133	
Isopropylbenzene (Cumene)	ug/L	50	54.5	109	69-124	
Methyl acetate	ug/L	50	ND	94	10-142	N2
Methyl-tert-butyl ether	ug/L	100	89.7	90	69-122	
Methylcyclohexane	ug/L	50	52.0	104	63-130	N2
Methylene Chloride	ug/L	50	48.5	97	68-132	
Styrene	ug/L	50	52.9	106	74-126	
Tetrachloroethene	ug/L	50	50.0	100	69-130	
Toluene	ug/L	50	48.8	98	72-122	
trans-1,2-Dichloroethene	ug/L	50	45.9	92	72-124	
trans-1,3-Dichloropropene	ug/L	50	44.6	89	64-121	
Trichloroethene	ug/L	50	45.2	90	76-126	
Trichlorofluoromethane	ug/L	50	52.1	104	76-149	
Vinyl chloride	ug/L	50	48.3	97	59-126	
Xylene (Total)	ug/L	150	151	101	70-124	
4-Bromofluorobenzene (S)	%.			99	80-114	
Dibromofluoromethane (S)	%.			95	79-116	
Toluene-d8 (S)	%.			103	81-110	

MATRIX SPIKE SAMPLE: 1089143

Parameter	Units	5096756003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	50	49.1	98	60-138	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	45.8	92	55-128	
1,1,2-Trichloroethane	ug/L	ND	50	47.0	94	61-139	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	50	48.0	96	55-151	
1,1-Dichloroethane	ug/L	ND	50	41.4	83	57-147	
1,1-Dichloroethene	ug/L	ND	50	49.4	99	55-145	
1,2,4-Trichlorobenzene	ug/L	ND	50	56.2	112	25-143	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	38.7	77	37-130	
1,2-Dibromoethane (EDB)	ug/L	ND	50	48.6	97	63-129	
1,2-Dichlorobenzene	ug/L	ND	50	49.0	98	38-136	
1,2-Dichloroethane	ug/L	ND	50	45.0	90	62-138	
1,2-Dichloropropane	ug/L	ND	50	46.0	92	59-130	
1,3-Dichlorobenzene	ug/L	ND	50	47.3	95	28-141	
1,4-Dichlorobenzene	ug/L	ND	50	47.8	96	30-139	
2-Butanone (MEK)	ug/L	ND	250	202	81	37-156	
2-Hexanone	ug/L	ND	250	226	90	44-143	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	228	91	46-144	
Acetone	ug/L	ND	250	228	91	39-156	
Benzene	ug/L	ND	50	44.1	88	62-129	
Bromodichloromethane	ug/L	ND	50	46.9	94	50-142	
Bromoform	ug/L	ND	50	37.7	75	36-125	
Bromomethane	ug/L	ND	50	53.4	107	13-179	
Carbon disulfide	ug/L	ND	100	98.5	99	45-142	
Carbon tetrachloride	ug/L	ND	50	52.8	106	46-142	
Chlorobenzene	ug/L	ND	50	48.6	97	49-136	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: E027039 / Allison Trans
Pace Project No.: 5096676

MATRIX SPIKE SAMPLE: 1089143

Parameter	Units	5096756003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloroethane	ug/L	ND	50	39.2	78	47-160	
Chloroform	ug/L	ND	50	43.6	87	54-150	
Chloromethane	ug/L	ND	50	47.7	95	30-148	
cis-1,2-Dichloroethene	ug/L	ND	50	44.3	89	60-135	
cis-1,3-Dichloropropene	ug/L	ND	50	41.6	83	52-123	
Cyclohexane	ug/L	ND	50	51.0J	102	43-135	N2
Dibromochloromethane	ug/L	ND	50	41.4	83	48-125	
Dichlorodifluoromethane	ug/L	ND	50	63.4	127	24-197	
Ethylbenzene	ug/L	ND	50	50.0	99	28-153	
Isopropylbenzene (Cumene)	ug/L	ND	50	54.3	109	18-152	
Methyl acetate	ug/L	ND	50	ND	84	10-125	N2
Methyl-tert-butyl ether	ug/L	ND	100	88.9	89	63-130	
Methylcyclohexane	ug/L	ND	50	52.8	106	32-155	N2
Methylene Chloride	ug/L	ND	50	49.1	98	45-156	
Styrene	ug/L	ND	50	51.5	103	36-139	
Tetrachloroethene	ug/L	ND	50	49.8	100	33-151	
Toluene	ug/L	ND	50	48.8	98	50-132	
trans-1,2-Dichloroethene	ug/L	ND	50	46.8	94	40-153	
trans-1,3-Dichloropropene	ug/L	ND	50	39.8	80	48-122	
Trichloroethene	ug/L	ND	50	45.8	92	50-143	
Trichlorofluoromethane	ug/L	ND	50	55.8	112	60-175	
Vinyl chloride	ug/L	ND	50	46.1	92	44-145	
Xylene (Total)	ug/L	ND	150	149	99	29-145	
4-Bromofluorobenzene (S)	%.				99	80-114	
Dibromofluoromethane (S)	%.				97	79-116	
Toluene-d8 (S)	%.				105	81-110	

SAMPLE DUPLICATE: 1089142

Parameter	Units	5096756001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	ND		20	
1,1,2,2-Tetrachloroethane	ug/L	ND	ND		20	
1,1,2-Trichloroethane	ug/L	ND	ND		20	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	ND		20	
1,1-Dichloroethane	ug/L	ND	ND		20	
1,1-Dichloroethene	ug/L	ND	ND		20	
1,2,4-Trichlorobenzene	ug/L	ND	ND		20	
1,2-Dibromo-3-chloropropane	ug/L	ND	ND		20	
1,2-Dibromoethane (EDB)	ug/L	ND	ND		20	
1,2-Dichlorobenzene	ug/L	ND	ND		20	
1,2-Dichloroethane	ug/L	ND	ND		20	
1,2-Dichloropropane	ug/L	ND	ND		20	
1,3-Dichlorobenzene	ug/L	ND	ND		20	
1,4-Dichlorobenzene	ug/L	ND	ND		20	
2-Butanone (MEK)	ug/L	ND	ND		20	
2-Hexanone	ug/L	ND	ND		20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	ND		20	

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QUALITY CONTROL DATA

Project: E027039 / Allison Trans
Pace Project No.: 5096676

SAMPLE DUPLICATE: 1089142

Parameter	Units	5096756001 Result	Dup Result	RPD	Max RPD	Qualifiers
Acetone	ug/L	ND	ND		20	
Benzene	ug/L	ND	ND		20	
Bromodichloromethane	ug/L	ND	ND		20	
Bromoform	ug/L	ND	ND		20	
Bromomethane	ug/L	ND	ND		20	
Carbon disulfide	ug/L	ND	ND		20	
Carbon tetrachloride	ug/L	ND	ND		20	
Chlorobenzene	ug/L	ND	ND		20	
Chloroethane	ug/L	ND	ND		20	
Chloroform	ug/L	ND	ND		20	
Chloromethane	ug/L	ND	ND		20	
cis-1,2-Dichloroethene	ug/L	ND	ND		20	
cis-1,3-Dichloropropene	ug/L	ND	ND		20	
Cyclohexane	ug/L	ND	ND		20	N2
Dibromochloromethane	ug/L	ND	ND		20	
Dichlorodifluoromethane	ug/L	ND	ND		20	
Ethylbenzene	ug/L	ND	ND		20	
Isopropylbenzene (Cumene)	ug/L	ND	ND		20	
Methyl acetate	ug/L	ND	ND		20	N2
Methyl-tert-butyl ether	ug/L	ND	ND		20	
Methylcyclohexane	ug/L	ND	ND		20	N2
Methylene Chloride	ug/L	ND	ND		20	
Styrene	ug/L	ND	ND		20	
Tetrachloroethene	ug/L	ND	ND		20	
Toluene	ug/L	ND	ND		20	
trans-1,2-Dichloroethene	ug/L	ND	ND		20	
trans-1,3-Dichloropropene	ug/L	ND	ND		20	
Trichloroethene	ug/L	ND	ND		20	
Trichlorofluoromethane	ug/L	ND	ND		20	
Vinyl chloride	ug/L	ND	ND		20	
Xylene (Total)	ug/L	ND	ND		20	
4-Bromofluorobenzene (S)	%.	93	96	2		
Dibromofluoromethane (S)	%.	104	104	0		
Toluene-d8 (S)	%.	98	101	3		

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QUALIFIERS

Project: E027039 / Allison Trans
Pace Project No.: 5096676

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

N2 The lab does not hold TNI accreditation for this parameter.

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Pace Analytical Services, Inc.
1233 Dublin Road
Columbus, OH 43215
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: E027039 / Allison Trans
Pace Project No.: 5096676

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
5096676001	**TB-01 (042414)**	EPA 8260	MSV/64381		
5096676002	**PW-2-S3(042414)**	EPA 8260	MSV/64381		

REPORT OF LABORATORY ANALYSIS

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GM REALM ENCORE

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

PAGE 1 OF 1

10A

ID # № 03680

SSOW Ref. Code: E027039

Required Client Information:

Company: ARCADIS	Report To: Heather Gastineau-Lyons
Address: 132 E Washington St ste 600 Indpls, IN	Copy To: Sarah Fisher
	Invoice To:
	P.O.:
Phone: 317-231-6500	Project Name: Allison Transmission
Fax: 317-231-6514	Project Number: IN000473.0014
E-mail: Heather.gastineau-lyons@arcadis-us.com	

Laboratory: Pace Analytical	
Laboratory Location: Indianapolis, IN	
Laboratory Contact: Donna Spyker	
Requested Due Date: Std	TAT: Std
QA/QC Requirements: Level IV QAQC	

S096676

Valid Matrix Codes:
WG Groundwater
WB Borehole Water
WS Surface Water
SO Soil
SE Sediment
See Back for Additional Codes

Preservative

Analysis and Method

	Sample Identification: 24 5/1/14	Matrix Code	Date Collected	Time Collected	# Containers	Unpreserved	HCl	H2SO4	HNO3	NaOH	Other:	VOC 8260	Remarks/Lab ID
1.	TB-01 (042314) LM	WQ	4.23.14	—	3		X					X	-001
2.	~~PW-2 (042314)~~ PW-2-S3 (042414)	WG	4.23.14	1255	3		X					X	-002
3.	ID correction per Heather		4-24-14										
4.	5/1/14		5/1/14										
5.													
6.													
7.													
8.													
9.													
10.													
11.													
12.													
13.													
14.													
15.													

TOTAL NUMBER OF CONTAINERS

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY / AFFILIATION	DATE	TIME	RECEIVED BY / AFFILIATION	DATE	TIME
		[signature] / ARCADIS	4.24.14	1:35 pm	[signature]	4/24/14	1:35 pm
AIRBILL NO.							

Sample Condition

Temp in °C	0.7
Received on Ice	(Y) / N
Sealed Cooler	(Y) N
Samples Intact	(Y) / N

Additional Comments:

WI/Pace 4-24-14 1521 Klee

Sampler Name: Luke Martin

Sampler Signature: [signature] Date: 4.23.14

Distribution: WHITE - Fully Executed Copy YELLOW - Receiving Laboratory Copy PINK - Sampler Copy

Sample Condition Upon Receipt

Pace Analytical

Client Name: Arcadis Project # 50966766

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☒ Pace Other _____

Tracking #: _____

Custody Seal on Cooler/Box Present: ☒ yes ☐ no Seals intact: ☑ yes ☐ no

Date/Time 5035A kits placed in freezer: _____

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ None ☒ Other Foam

Thermometer Used: 1 2 3 4 6 A B C D E (E) Type of Ice: (Wet) Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature (Corrected, if applicable): 0.7°C Ice Visible in Sample Containers: ☐ yes ☒ no

Temp should be above freezing to 6°C

Date and initials of person examining contents: Lee 4-24-14

			Comments:
Chain of Custody Present:	☑Yes	☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes	☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes	☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes	☐No ☐N/A	4.
Short Hold Time Analysis (<72hr):	☐Yes	☑No ☐N/A	5.
Rush Turn Around Time Requested:	☐Yes	☑No ☐N/A	6.
Containers Intact:	☑Yes	☐No ☐N/A	7.
Sample Labels match COC: -Includes date/time/ID/Analysis	☑Yes	☐No ☐N/A	8.
All containers needing acid/base pres. have been checked? exceptions: VOA, coliform, TOC, O&G	☐Yes	☐No ☑N/A	9. (Circle) HNO3 H2SO4 NaOH HCl
All containers needing preservation are found to be in compliance with EPA recommendation (<2, >9, >12) unless otherwise noted.			
Headspace in VOA Vials (>6mm):	☐Yes	☑No ☐N/A	10.
Trip Blank Present:	☑Yes	☐No ☐N/A	11. Lee 4-24-14
Trip Blank Custody Seals Present	☑Yes	☐No ☐N/A	
Project Manager Review			
Samples Arrived within Hold Time:	☑Yes	☐No ☐N/A	12.
Sufficient Volume:	☑Yes	☐No ☐N/A	13.
Correct Containers Used:	☑Yes	☐No ☐N/A	14.

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: T. Layer **Date:** 4/24/14

Form F-IN-Q-290-rev.05, 10Sep2013

Sample Container Count

CLIENT: Arcadis

COC PAGE 1 of 1
COC ID# 03680

Project # 50916676

Sample Line Item	DG9H	AG1U	WGFU	AG0U	R 4/6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	BP3C	BP1U	SPST		pH <2	pH>12	Comments
1	3																			
2	3																			
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				

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Container Codes

DG9H	40mL HCL amber voa vial	AG0U	100mL unpreserved amber gl	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber gla	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber g	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	I	Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber g	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber g	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gl	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

Reference 23 Page 717

MSV - FORM II VOA-1
WATER VOLATILE SURROGATE RECOVERY

Lab Name: Pace Analytical - Indiana SDG No.: 5096676 Contract: E027039 / Allison Trans

Instrument ID: 50MV2B

LAB SAMPLE ID	SAMPLE NAME	BFB	DIBF	TOL8
1088989	1088989BLANK	97	102	101
1088990	1088990LCS	99	95	103
5096676001	TB-01 (042414)	97	101	102
5096676002	PW-2-S3(042414)	96	100	100

	QC LIMITS
(BFB) = 4-Bromofluorobenzene (S)	(80-114)
(DIBF) = Dibromofluoromethane (S)	(79-116)
(TOL8) = Toluene-d8 (S)	(81-110)

* Values outside of QC Limits

MSV - FORM III VOA-1

WATER LABORATORY CONTROL SAMPLE RECOVERY

Lab Name: Pace Analytical - Indiana
Lab Sample ID: 1088990LCS
Date Extracted: 05/06/2014
Date Analyzed (1): 05/06/2014
Instrument: 50MV2B
LCS Lot No: 65557
Lab File ID: B050614.B\B02LCS.D
SDG No.: 5096676

COMPOUND	AMOUNT ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS %REC	QC LIMITS REC.
Acetone	250	282	113	49-150
Benzene	50.0	44.3	89	74-122
Bromodichloromethane	50.0	48.2	96	62-136
Bromoform	50.0	40.8	82	44-134
Bromomethane	50.0	66.5	133	22-181
2-Butanone (MEK)	250	225	90	58-139
Carbon disulfide	100	94.0	94	59-132
Carbon tetrachloride	50.0	52.4	105	56-137
Chlorobenzene	50.0	49.6	99	78-123
Chloroethane	50.0	61.5	123	60-144
Chloroform	50.0	43.8	88	78-126
Chloromethane	50.0	47.6	95	42-134
Cyclohexane	50.0	ND	96	62-119
1,2-Dibromo-3-chloropropane	50.0	40.7	81	64-124
Dibromochloromethane	50.0	45.6	91	58-128
1,2-Dibromoethane (EDB)	50.0	51.3	103	76-125
1,2-Dichlorobenzene	50.0	50.7	101	75-123
1,3-Dichlorobenzene	50.0	49.0	98	74-122
1,4-Dichlorobenzene	50.0	48.0	96	76-120
Dichlorodifluoromethane	50.0	63.0	126	35-181
1,1-Dichloroethane	50.0	40.5	81	75-130
1,2-Dichloroethane	50.0	45.6	91	75-128
1,1-Dichloroethene	50.0	46.7	93	68-127
cis-1,2-Dichloroethene	50.0	43.8	88	75-122
trans-1,2-Dichloroethene	50.0	45.9	92	72-124
1,2-Dichloropropane	50.0	46.3	93	74-121
cis-1,3-Dichloropropene	50.0	45.8	92	64-126
trans-1,3-Dichloropropene	50.0	44.6	89	64-121
Ethylbenzene	50.0	49.2	98	66-133
2-Hexanone	250	242	97	54-140
Isopropylbenzene (Cumene)	50.0	54.5	109	69-124
Methyl acetate	50.0	ND	94	10-142
Methylcyclohexane	50.0	52.0	104	63-130
Methylene Chloride	50.0	48.5	97	68-132
4-Methyl-2-pentanone (MIBK)	250	239	95	58-138
Methyl-tert-butyl ether	100	89.7	90	69-122
Styrene	50.0	52.9	106	74-126
1,1,2,2-Tetrachloroethane	50.0	45.8	92	66-126
Tetrachloroethene	50.0	50.0	100	69-130
Toluene	50.0	48.8	98	72-122
1,2,4-Trichlorobenzene	50.0	58.9	118	68-131
1,1,1-Trichloroethane	50.0	49.2	98	71-129
1,1,2-Trichloroethane	50.0	48.6	97	77-130
Trichloroethene	50.0	45.2	90	76-126
Trichlorofluoromethane	50.0	52.1	104	76-149
1,1,2-Trichlorotrifluoroethane	50.0	46.9	94	68-139
Vinyl chloride	50.0	48.3	97	59-126

05/16/2014 1:00

MSV - FORM III VOA-2

WATER LABORATORY CONTROL SAMPLE RECOVERY

Lab Name: Pace Analytical - Indiana
Lab Sample ID: 1088990LCS
Date Extracted: 05/06/2014
Date Analyzed (1): 05/06/2014
Instrument: 50MV2B
LCS Lot No: 65557
Lab File ID: B050614.B\B02LCS.D
SDG No.: 5096676

COMPOUND	AMOUNT ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS %REC	QC LIMITS REC.
Xylene (Total)	150	151	101	70-124

Spike Recovery: 0 out of 48 outside limits.

MSV - FORM III VOA-1

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Pace Analytical - Indiana
Matrix Spike - Sample No: 1089143MS
Date Extracted: 05/06/2014
Date Analyzed (1): 05/06/2014
Instrument: 50MV2B
Lab File ID: B050614.B\B21.D
Parent Sample ID: 5096756003
SDG No.: 5096676

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (ug/L)	MS %REC	QC LIMITS REC.
1,1,1-Trichloroethane	50.0	ND	49.1	98	60-138
1,1,2,2-Tetrachloroethane	50.0	ND	45.8	92	55-128
1,1,2-Trichloroethane	50.0	ND	47.0	94	61-139
1,1,2-Trichlorotrifluoroethane	50.0	ND	48.0	96	55-151
1,1-Dichloroethane	50.0	ND	41.4	83	57-147
1,1-Dichloroethene	50.0	ND	49.4	99	55-145
1,2,4-Trichlorobenzene	50.0	ND	56.2	112	25-143
1,2-Dibromo-3-chloropropane	50.0	ND	38.7	77	37-130
1,2-Dibromoethane (EDB)	50.0	ND	48.6	97	63-129
1,2-Dichlorobenzene	50.0	ND	49.0	98	38-136
1,2-Dichloroethane	50.0	ND	45.0	90	62-138
1,2-Dichloropropane	50.0	ND	46.0	92	59-130
1,3-Dichlorobenzene	50.0	ND	47.3	95	28-141
1,4-Dichlorobenzene	50.0	ND	47.8	96	30-139
2-Butanone (MEK)	250	ND	202	81	37-156
2-Hexanone	250	ND	226	90	44-143
4-Methyl-2-pentanone (MIBK)	250	ND	228	91	46-144
Acetone	250	ND	228	91	39-156
Benzene	50.0	ND	44.1	88	62-129
Bromodichloromethane	50.0	ND	46.9	94	50-142
Bromoform	50.0	ND	37.7	75	36-125
Bromomethane	50.0	ND	53.4	107	13-179
Carbon disulfide	100	ND	98.5	99	45-142
Carbon tetrachloride	50.0	ND	52.8	106	46-142
Chlorobenzene	50.0	ND	48.6	97	49-136
Chloroethane	50.0	ND	39.2	78	47-160
Chloroform	50.0	ND	43.6	87	54-150
Chloromethane	50.0	ND	47.7	95	30-148
Cyclohexane	50.0	ND	51.0J	102	43-135
Dibromochloromethane	50.0	ND	41.4	83	48-125
Dichlorodifluoromethane	50.0	ND	63.4	127	24-197
Ethylbenzene	50.0	ND	50.0	99	28-153
Isopropylbenzene (Cumene)	50.0	ND	54.3	109	18-152
Methyl acetate	50.0	ND	ND	84	10-125
Methyl-tert-butyl ether	100	ND	88.9	89	63-130
Methylcyclohexane	50.0	ND	52.8	106	32-155
Methylene Chloride	50.0	ND	49.1	98	45-156
Styrene	50.0	ND	51.5	103	36-139
Tetrachloroethene	50.0	ND	49.8	100	33-151
Toluene	50.0	ND	48.8	98	50-132
Trichloroethene	50.0	ND	45.8	92	50-143
Trichlorofluoromethane	50.0	ND	55.8	112	60-175
Vinyl chloride	50.0	ND	46.1	92	44-145
Xylene (Total)	150	ND	149	99	29-145
cis-1,2-Dichloroethene	50.0	ND	44.3	89	60-135
cis-1,3-Dichloropropene	50.0	ND	41.6	83	52-123
trans-1,2-Dichloroethene	50.0	ND	46.8	94	40-153

MSV - FORM III VOA-2

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Pace Analytical - Indiana
Matrix Spike - Sample No: 1089143MS
Date Extracted: 05/06/2014
Date Analyzed (1): 05/06/2014
Instrument: 50MV2B
Lab File ID: B050614.B\B21.D
Parent Sample ID: 5096756003
SDG No.: 5096676

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (ug/L)	MS %REC	QC LIMITS REC.
trans-1,3-Dichloropropene	50.0	ND	39.8	80	48-122

Spike Recovery: 0 out of 48 outside limits.

MSV - FORM III VOA-1

WATER VOLATILE SAMPLE/DUPLICATE RECOVERY

Lab Name: Pace Analytical - Indiana
Duplicate Sample No: 5096756001DUP
Date Extracted: 05/06/2014
Date Analyzed: 05/06/2014
Instrument 50MV2B
Lab File ID: B050614.B\B18.D
Lab Sample ID: 5096756001
SDG No.: 5096676

COMPOUND	SAMPLE CONCENTRATION (mg/L)	DUPLICATE CONCENTRATION (ug/L)	RPD	RPD LIMITS
1,1,1-Trichloroethane	ND	ND		0-20
1,1,2,2-Tetrachloroethane	ND	ND		0-20
1,1,2-Trichloroethane	ND	ND		0-20
1,1,2-Trichlorotrifluoroethane	ND	ND		0-20
1,1-Dichloroethane	ND	ND		0-20
1,1-Dichloroethene	ND	ND		0-20
1,2,4-Trichlorobenzene	ND	ND		0-20
1,2-Dibromo-3-chloropropane	ND	ND		0-20
1,2-Dibromoethane (EDB)	ND	ND		0-20
1,2-Dichlorobenzene	ND	ND		0-20
1,2-Dichloroethane	ND	ND		0-20
1,2-Dichloropropane	ND	ND		0-20
1,3-Dichlorobenzene	ND	ND		0-20
1,4-Dichlorobenzene	ND	ND		0-20
2-Butanone (MEK)	ND	ND		0-20
2-Hexanone	ND	ND		0-20
4-Methyl-2-pentanone (MIBK)	ND	ND		0-20
Acetone	ND	ND		0-20
Benzene	ND	ND		0-20
Bromodichloromethane	ND	ND		0-20
Bromoform	ND	ND		0-20
Bromomethane	ND	ND		0-20
Carbon disulfide	ND	ND		0-20
Carbon tetrachloride	ND	ND		0-20
Chlorobenzene	ND	ND		0-20
Chloroethane	ND	ND		0-20
Chloroform	ND	ND		0-20
Chloromethane	ND	ND		0-20
Cyclohexane	ND	ND		0-20
Dibromochloromethane	ND	ND		0-20
Dichlorodifluoromethane	ND	ND		0-20
Ethylbenzene	ND	ND		0-20
Isopropylbenzene (Cumene)	ND	ND		0-20
Methyl acetate	ND	ND		0-20
Methyl-tert-butyl ether	ND	ND		0-20
Methylcyclohexane	ND	ND		0-20
Methylene Chloride	ND	ND		0-20
Styrene	ND	ND		0-20
Tetrachloroethene	ND	ND		0-20
Toluene	ND	ND		0-20
Trichloroethene	ND	ND		0-20
Trichlorofluoromethane	ND	ND		0-20
Vinyl chloride	ND	ND		0-20
Xylene (Total)	ND	ND		0-20
cis-1,2-Dichloroethene	ND	ND		0-20

RPD: ____ out of __0__ outside limits.

05/16/2014 1:00

MSV - FORM III VOA-2

WATER VOLATILE SAMPLE/DUPLICATE RECOVERY

Lab Name: Pace Analytical - Indiana
Duplicate Sample No: 5096756001DUP
Date Extracted: 05/06/2014
Date Analyzed: 05/06/2014
Instrument 50MV2B
Lab File ID: B050614.B\B18.D
Lab Sample ID: 5096756001
SDG No.: 5096676

COMPOUND	SAMPLE CONCENTRATION (mg/L)	DUPLICATE CONCENTRATION (ug/L)	RPD	RPD LIMITS
cis-1,3-Dichloropropene	ND	ND		0-20
trans-1,2-Dichloroethene	ND	ND		0-20
trans-1,3-Dichloropropene	ND	ND		0-20

RPD: ____ out of __0__ outside limits.

05/16/2014 1:00

MSV - FORM IV VOA-1
VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.
1088989BLANK

Lab Name: Pace Analytical - Indiana SDG No.: 5096676 Contract: E027039 / Allison Trans

Instrument ID: 50MV2B Matrix: Water Lab Sample ID: 1088989

Lab File ID: B050614.B\B04MB.D Date Analyzed: 05/06/2014 Time: 13:28

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	ANALYZED
1088990LCS	1088990	B050614.B\B02LCS.D	05/06/2014 12:21
TB-01 (042414)	5096676001	B050614.B\B06.D	05/06/2014 14:34
PW-2-S3(042414)	5096676002	B050614.B\B07.D	05/06/2014 15:07
1089142DUP	1089142	B050614.B\B18.D	05/06/2014 21:13

MSV - FORM V VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Pace Analytical - Indiana SDG No.: 5096676 Contract: E027039 / Allison Trans
Lab File ID: B050214CAL.B\B00BFB.D BFB Injection Date: 05/02/2014
Instrument ID: 50MV2B BFB Injection Time: 10:18

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.00 - 40.00% of mass 95	18.84	
75	30.00 - 60.00% of mass 95	51.15	
95	Base Peak, 100.00% relative abundance	100.00	
96	5.00 - 9.00% of mass 95	5.31	
173	Less than 2.00% of mass 174	0.00	
174	50.00 - 100.00% of mass 95	82.43	
175	5.00 - 9.00% of mass 174	6.32	(7.67)[1]
176	95.00 - 101.00% of mass 174	81.18	(98.48)[1]
177	5.00 - 9.00% of mass 176	5.04	(6.21)[2]

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

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
6719126CAL1	6719126CAL1	B050214CAL.B\B02CAL1.D	05/02/2014	11:25
6719133CAL2	6719133CAL2	B050214CAL.B\B03CAL2.D	05/02/2014	11:59
6719125CAL3	6719125CAL3	B050214CAL.B\B04CAL3.D	05/02/2014	12:32
6719131CAL4	6719131CAL4	B050214CAL.B\B05CAL4.D	05/02/2014	13:06
6719130CAL5	6719130CAL5	B050214CAL.B\B06CAL5.D	05/02/2014	13:39
6719122CCV	6719122CCV	B050214CAL.B\B07CCV.D	05/02/2014	14:13
6719127CAL6	6719127CAL6	B050214CAL.B\B07CAL6.D	05/02/2014	14:13
6719128CAL7	6719128CAL7	B050214CAL.B\B08CAL7.D	05/02/2014	14:46
6719121CAL8	6719121CAL8	B050214CAL.B\B09CAL8.D	05/02/2014	15:20
6719132ICV	6719132ICV	B050214CAL.B\B11ICV.D	05/02/2014	16:27

MSV - FORM V VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Pace Analytical - Indiana SDG No.: 5096676 Contract: E027039 / Allison Trans
Lab File ID: B050614.B\B00BFB.D BFB Injection Date: 05/06/2014
Instrument ID: 50MV2B BFB Injection Time: 11:14

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.00 - 40.00% of mass 95	17.68	
75	30.00 - 60.00% of mass 95	51.73	
95	Base Peak, 100.00% relative abundance	100.00	
96	5.00 - 9.00% of mass 95	6.00	
173	Less than 2.00% of mass 174	0.00	
174	50.00 - 100.00% of mass 95	80.78	
175	5.00 - 9.00% of mass 174	4.37	(5.41)[1]
176	95.00 - 101.00% of mass 174	80.97	(100.24)[1]
177	5.00 - 9.00% of mass 176	5.35	(6.61)[2]

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

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
6728443CCV	6728443CCV	B050614.B\B01CCV.D	05/06/2014	11:48
1088990LCS	1088990LCS	B050614.B\B02LCS.D	05/06/2014	12:21
1088989BLANK	1088989BLANK	B050614.B\B04MB.D	05/06/2014	13:28
TB-01 (042414)	5096676001	B050614.B\B06.D	05/06/2014	14:34
PW-2-S3(042414)	5096676002	B050614.B\B07.D	05/06/2014	15:07

MSV - FORM VI VOA-1

MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MV2B GC Column: Col 1 SDG No.: 5096676

Calibration Date(s): 05/02/2014 05/02/2014 Calibration Time(s): 11:25 15:20

LAB FILE ID

CAL1 = B050214CAL.B\B02CAL1.D CAL2 = B050214CAL.B\B03CAL2.D CAL3 = B050214CAL.B\B04CAL3.D

CAL4 = B050214CAL.B\B05CAL4.D CAL5 = B050214CAL.B\B06CAL5.D CAL6 = B050214CAL.B\B07CAL6.D

CAL7 = B050214CAL.B\B08CAL7.D CAL8 = B050214CAL.B\B09CAL8.D

COMPOUND	CURVE TYPE	CAL1	CAL2	CAL3	CAL4	CAL5	CAL6
Acetone	Linear	0.13649	0.11548	0.07877	0.08859	0.08145	0.07749
Benzene	Averaged	1.69323	1.33908	1.01150	1.24786	1.16844	1.15049
Bromodichloromethane	Averaged	0.40442	0.39320	0.32178	0.38456	0.37262	0.39649
Bromoform	Linear	0.26514	0.25441	0.24781	0.25479	0.29287	0.35117
Bromomethane	Averaged	0.10616	0.09823	0.12310	0.11680	0.11474	0.09825
2-Butanone (MEK)	Averaged	0.17307	0.16323	0.12531	0.14708	0.15094	0.14645
Carbon disulfide	Averaged	0.90297	0.74513	0.57902	0.70538	0.64412	0.63505
Carbon tetrachloride	Averaged	0.45438	0.42205	0.34399	0.42957	0.39252	0.44137
Chlorobenzene	Averaged	1.42374	1.19413	0.97937	1.20951	1.13657	1.10268
Chloroethane	Linear	0.54389	0.23906	0.28399	0.20493	0.16235	0.16672
Chloroform	Averaged	0.85791	0.73063	0.58854	0.70662	0.61927	0.59609
Chloromethane	Averaged	0.47252	0.34572	0.34944	0.31581	0.29626	0.29667
Cyclohexane	Averaged	0.72529	0.60238	0.48221	0.56529	0.52871	0.54189
1,2-Dibromo-3-chloropropane	Linear	0.12032	0.09479	0.06302	0.09152	0.11080	0.12393
Dibromochloromethane	Linear	0.31721	0.25612	0.20503	0.26242	0.27010	0.34641
1,2-Dibromoethane (EDB)	Averaged	0.42393	0.34113	0.25503	0.33443	0.33089	0.36479
1,2-Dichlorobenzene	Averaged	1.88118	1.43722	1.29299	1.55237	1.46932	1.44485
1,3-Dichlorobenzene	Averaged	1.94170	1.82755	1.36205	1.70012	1.64577	1.55025
1,4-Dichlorobenzene	Averaged	2.18018	1.87355	1.35210	1.79242	1.66025	1.58845
Dichlorodifluoromethane	Averaged	0.50999	0.36110	0.41254	0.35838	0.43118	0.43515
1,1-Dichloroethane	Averaged	0.80766	0.67708	0.54463	0.58660	0.63083	0.57850
1,2-Dichloroethane	Averaged	0.65957	0.63803	0.45614	0.58126	0.53939	0.52199
1,1-Dichloroethene	Averaged	0.28904	0.30134	0.24024	0.27299	0.25473	0.23916
cis-1,2-Dichloroethene	Averaged	0.43178	0.43329	0.33515	0.40852	0.38419	0.35346
trans-1,2-Dichloroethene	Averaged	0.34257	0.30222	0.26329	0.29011	0.28124	0.25881
1,2-Dichloropropane	Averaged	0.32324	0.30947	0.24999	0.31921	0.29278	0.30115
cis-1,3-Dichloropropene	Linear	0.62627	0.40975	0.32621	0.43644	0.47675	0.56190
trans-1,3-Dichloropropene	Linear	0.36168	0.30691	0.24228	0.32786	0.35149	0.45815
Ethylbenzene	Averaged	0.77338	0.69324	0.55823	0.65878	0.63472	0.61485
2-Hexanone	Averaged	0.25770	0.22582	0.17371	0.22725	0.25048	0.24798
Isopropylbenzene (Cumene)	Averaged	2.14080	1.90015	1.51911	1.98131	1.86965	1.92715
Methyl acetate	Averaged	0.29588	0.27944	0.21197	0.23184	0.22015	0.21453
Methylcyclohexane	Averaged	0.41840	0.38063	0.32291	0.40725	0.37548	0.39160
Methylene Chloride	Linear	0.55311	0.35947	0.27288	0.30903	0.26843	0.24594
4-Methyl-2-pentanone (MIBK)	Averaged	0.37546	0.33133	0.24768	0.33174	0.33447	0.34905

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

05/16/2014 1:00

MSV - FORM VI VOA-2

MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MV2B GC Column: Col 1 SDG No.: 5096676

Calibration Date(s): 05/02/2014 05/02/2014 Calibration Time(s): 11:25 15:20

LAB FILE ID

CAL1 = B050214CAL.B\B02CAL1.D CAL2 = B050214CAL.B\B03CAL2.D CAL3 = B050214CAL.B\B04CAL3.D

CAL4 = B050214CAL.B\B05CAL4.D CAL5 = B050214CAL.B\B06CAL5.D CAL6 = B050214CAL.B\B07CAL6.D

CAL7 = B050214CAL.B\B08CAL7.D CAL8 = B050214CAL.B\B09CAL8.D

COMPOUND	CURVE TYPE	CAL1	CAL2	CAL3	CAL4	CAL5	CAL6
Methyl-tert-butyl ether	Averaged	0.90891	0.84646	0.64510	0.82426	0.79636	0.79822
Styrene	Averaged	1.35778	1.14081	0.97078	1.23746	1.25013	1.23304
1,1,2,2-Tetrachloroethane	Averaged	0.88043	0.74092	0.67880	0.76878	0.79723	0.74883
Tetrachloroethene	Averaged	0.53733	0.48377	0.42345	0.49483	0.47419	0.46022
Toluene	Averaged	2.18230	1.84630	1.48741	1.76744	1.67527	1.65545
1,2,4-Trichlorobenzene	Averaged	0.72120	0.63776	0.56289	0.83478	0.83668	0.89666
1,1,1-Trichloroethane	Averaged	0.63578	0.59395	0.45743	0.55469	0.51713	0.54139
1,1,2-Trichloroethane	Averaged	0.36909	0.27827	0.21279	0.26910	0.25916	0.26637
Trichloroethene	Averaged	0.46568	0.37678	0.27855	0.37205	0.34286	0.33883
Trichlorofluoromethane	Averaged	0.76870	0.55356	0.66403	0.55952	0.50838	0.52360
1,1,2-Trichlorotrifluoroethane	Averaged	0.37469	0.33536	0.27205	0.33342	0.27119	0.27950
Vinyl chloride	Averaged	0.42256	0.32515	0.39470	0.32677	0.30222	0.30183
m&p-Xylene	Averaged	1.02926	0.82859	0.65233	0.81404	0.77822	0.75242
o-Xylene	Averaged	0.89011	0.75304	0.60814	0.74087	0.74415	0.71677
4-Bromofluorobenzene (S)	Averaged	0.53117	0.52925	0.52947	0.53458	0.53896	0.55374
Dibromofluoromethane (S)	Averaged	0.29707	0.29487	0.29572	0.29874	0.28322	0.28255
Toluene-d8 (S)	Averaged	1.23548	1.23871	1.23677	1.24469	1.23515	1.27631

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

05/16/2014 1:00

MSV - FORM VI VOA-3

MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MV2B GC Column: Col 1 SDG No.: 5096676

Calibration Date(s): 05/02/2014 05/02/2014 Calibration Time(s): 11:25 15:20

LAB FILE ID

CAL1 = B050214CAL.B\B02CAL1.D CAL2 = B050214CAL.B\B03CAL2.D CAL3 = B050214CAL.B\B04CAL3.D

CAL4 = B050214CAL.B\B05CAL4.D CAL5 = B050214CAL.B\B06CAL5.D CAL6 = B050214CAL.B\B07CAL6.D

CAL7 = B050214CAL.B\B08CAL7.D CAL8 = B050214CAL.B\B09CAL8.D

COMPOUND	CURVE TYPE	CAL7	CAL8
Acetone	Linear	0.08128	0.07497
Benzene	Averaged	1.19717	1.14441
Bromodichloromethane	Averaged	0.44097	0.44186
Bromoform	Linear	0.46837	0.50568
Bromomethane	Averaged	0.10655	0.08773
2-Butanone (MEK)	Averaged	0.14763	0.13413
Carbon disulfide	Averaged	0.68023	0.65025
Carbon tetrachloride	Averaged	0.48609	0.48900
Chlorobenzene	Averaged	1.16915	1.11565
Chloroethane	Linear	0.16305	0.14071
Chloroform	Averaged	0.62235	0.58779
Chloromethane	Averaged	0.30366	0.27628
Cyclohexane	Averaged	0.54368	0.53215
1,2-Dibromo-3-chloropropane	Linear	0.15286	0.15937
Dibromochloromethane	Linear	0.42051	
1,2-Dibromoethane (EDB)	Averaged	0.39550	0.38433
1,2-Dichlorobenzene	Averaged	1.47438	1.39360
1,3-Dichlorobenzene	Averaged	1.65162	1.58793
1,4-Dichlorobenzene	Averaged	1.64832	1.61240
Dichlorodifluoromethane	Averaged	0.40021	0.37676
1,1-Dichloroethane	Averaged	0.50746	0.52953
1,2-Dichloroethane	Averaged	0.53926	0.51604
1,1-Dichloroethene	Averaged	0.23959	0.22666
cis-1,2-Dichloroethene	Averaged	0.35899	0.32488
trans-1,2-Dichloroethene	Averaged	0.26577	0.24367
1,2-Dichloropropane	Averaged	0.31979	0.29923
cis-1,3-Dichloropropene	Linear	0.65664	0.65689
trans-1,3-Dichloropropene	Linear	0.56559	0.58805
Ethylbenzene	Averaged	0.64772	0.60996
2-Hexanone	Averaged	0.25632	0.24048
Isopropylbenzene (Cumene)	Averaged	2.08180	1.99721
Methyl acetate	Averaged	0.21786	0.20008
Methylcyclohexane	Averaged	0.41722	0.41591
Methylene Chloride	Linear	0.26062	0.23714
4-Methyl-2-pentanone (MIBK)	Averaged	0.35543	0.33765

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSV - FORM VI VOA-4

MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MV2B GC Column: Col 1 SDG No.: 5096676

Calibration Date(s): 05/02/2014 05/02/2014 Calibration Time(s): 11:25 15:20

LAB FILE ID

CAL1 = B050214CAL.B\B02CAL1.D CAL2 = B050214CAL.B\B03CAL2.D CAL3 = B050214CAL.B\B04CAL3.D

CAL4 = B050214CAL.B\B05CAL4.D CAL5 = B050214CAL.B\B06CAL5.D CAL6 = B050214CAL.B\B07CAL6.D

CAL7 = B050214CAL.B\B08CAL7.D CAL8 = B050214CAL.B\B09CAL8.D

COMPOUND	CURVE TYPE	CAL7	CAL8
Methyl-tert-butyl ether	Averaged	0.81549	0.75053
Styrene	Averaged	1.28728	1.22629
1,1,2,2-Tetrachloroethane	Averaged	0.80908	0.80123
Tetrachloroethene	Averaged	0.48612	0.47395
Toluene	Averaged	1.73118	1.67650
1,2,4-Trichlorobenzene	Averaged	0.99593	0.97837
1,1,1-Trichloroethane	Averaged	0.58222	0.57559
1,1,2-Trichloroethane	Averaged	0.28143	0.27600
Trichloroethene	Averaged	0.35844	0.34059
Trichlorofluoromethane	Averaged	0.49744	0.44526
1,1,2-Trichlorotrifluoroethane	Averaged	0.28227	0.26513
Vinyl chloride	Averaged	0.30523	0.29284
m&p-Xylene	Averaged	0.78978	0.74179
o-Xylene	Averaged	0.76151	0.71375
4-Bromofluorobenzene (S)	Averaged	0.55275	0.55097
Dibromofluoromethane (S)	Averaged	0.27506	0.26466
Toluene-d8 (S)	Averaged	1.25646	1.27549

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSV - FORM VI VOA-5

MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MV2B GC Column: Col 1 SDG No.: 5096676

Calibration Date(s): 05/02/2014 05/02/2014 Calibration Time(s): 11:25 15:20

LAB FILE ID

CAL1 = B050214CAL.B\B02CAL1.D CAL2 = B050214CAL.B\B03CAL2.D CAL3 = B050214CAL.B\B04CAL3.D

CAL4 = B050214CAL.B\B05CAL4.D CAL5 = B050214CAL.B\B06CAL5.D CAL6 = B050214CAL.B\B07CAL6.D

CAL7 = B050214CAL.B\B08CAL7.D CAL8 = B050214CAL.B\B09CAL8.D

COMPOUND	CURVE TYPE	%RSD	R2	A1	A2	A3
Acetone	Linear		0.99858	0.01080	0.07578	
Benzene	Averaged	16.40304			1.24402	
Bromodichloromethane	Averaged	9.75788			0.39449	
Bromoform	Linear		0.99718	-0.04216	0.50428	
Bromomethane	Averaged	10.87704			0.10645	
2-Butanone (MEK)	Averaged	10.11113			0.14848	
Carbon disulfide	Averaged	14.19432			0.69277	
Carbon tetrachloride	Averaged	11.11662			0.43237	
Chlorobenzene	Averaged	10.81417			1.16635	
Chloroethane	Linear		0.99490	0.01129	0.14314	
Chloroform	Averaged	14.37486			0.66365	
Chloromethane	Averaged	18.68097			0.33204	
Cyclohexane	Averaged	12.91990			0.56520	
1,2-Dibromo-3-chloropropane	Linear		0.99873	-0.00974	0.15946	
Dibromochloromethane	Linear		0.99676	-0.01906	0.42063	
1,2-Dibromoethane (EDB)	Averaged	14.54233			0.35375	
1,2-Dichlorobenzene	Averaged	11.61104			1.49324	
1,3-Dichlorobenzene	Averaged	10.57536			1.65837	
1,4-Dichlorobenzene	Averaged	14.17908			1.71346	
Dichlorodifluoromethane	Averaged	12.11887			0.41066	
1,1-Dichloroethane	Averaged	16.06841			0.60779	
1,2-Dichloroethane	Averaged	12.03084			0.55646	
1,1-Dichloroethene	Averaged	10.43106			0.25797	
cis-1,2-Dichloroethene	Averaged	11.17235			0.37878	
trans-1,2-Dichloroethene	Averaged	11.05744			0.28096	
1,2-Dichloropropane	Averaged	7.83788			0.30186	
cis-1,3-Dichloropropene	Linear		0.99952	-0.02615	0.66045	
trans-1,3-Dichloropropene	Linear		0.99878	-0.03790	0.58910	
Ethylbenzene	Averaged	9.86122			0.64886	
2-Hexanone	Averaged	11.72045			0.23497	
Isopropylbenzene (Cumene)	Averaged	9.76566			1.92715	
Methyl acetate	Averaged	14.77554			0.23397	
Methylcyclohexane	Averaged	8.25977			0.39117	
Methylene Chloride	Linear		0.99807	0.00877	0.24000	
4-Methyl-2-pentanone (MIBK)	Averaged	11.28246			0.33285	

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

05/16/2014 1:00

MSV - FORM VI VOA-6

MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MV2B GC Column: Col 1 SDG No.: 5096676

Calibration Date(s): 05/02/2014 05/02/2014 Calibration Time(s): 11:25 15:20

LAB FILE ID

CAL1 = B050214CAL.B\B02CAL1.D CAL2 = B050214CAL.B\B03CAL2.D CAL3 = B050214CAL.B\B04CAL3.D

CAL4 = B050214CAL.B\B05CAL4.D CAL5 = B050214CAL.B\B06CAL5.D CAL6 = B050214CAL.B\B07CAL6.D

CAL7 = B050214CAL.B\B08CAL7.D CAL8 = B050214CAL.B\B09CAL8.D

COMPOUND	CURVE TYPE	%RSD	R2	A1	A2	A3
Methyl-tert-butyl ether	Averaged	9.62100			0.79817	
Styrene	Averaged	9.49850			1.21294	
1,1,2,2-Tetrachloroethane	Averaged	7.60541			0.77816	
Tetrachloroethene	Averaged	6.69821			0.47923	
Toluene	Averaged	11.52507			1.75273	
1,2,4-Trichlorobenzene	Averaged	19.30548			0.80803	
1,1,1-Trichloroethane	Averaged	9.66497			0.55727	
1,1,2-Trichloroethane	Averaged	15.65480			0.27652	
Trichloroethene	Averaged	14.63453			0.35922	
Trichlorofluoromethane	Averaged	18.35316			0.56506	
1,1,2-Trichlorotrifluoroethane	Averaged	13.42502			0.30170	
Vinyl chloride	Averaged	14.41835			0.33391	
m&p-Xylene	Averaged	13.52394			0.79831	
o-Xylene	Averaged	10.42671			0.74104	
4-Bromofluorobenzene (S)	Averaged	1.98736			0.54011	
Dibromofluoromethane (S)	Averaged	4.27725			0.28649	
Toluene-d8 (S)	Averaged	1.40080			1.24988	

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSV - FORM VII VOA-1
MSV INITIAL CALIBRATION DATA

SAMPLE NO.: 6719132ICV

Lab Name: Pace Analytical - Indiana Calibration Date: 05/02/2014 Time: 16:27

Instrument ID: 50MV2B GC Column: Col 1 Init. Calib. Date(s): 05/02/2014 05/02/2014

Lab File ID: B050214CAL.B\B11ICV.D Init. Calib. Time(s): 10:52 15:20

SDG No.: 5096676

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Acetone	Linear	250	280.4369	0.0100	12.1748	20.0000
Benzene	Averaged	1.24402	1.25113	0.5000	1.1925	20.0000
Bromodichloromethane	Averaged	0.39449	0.42496	0.2000	10.7573	20.0000
Bromoform	Linear	50	44.83505	0.1000	-10.3299	20.0000
Bromomethane	Averaged	0.10645	0.14700	0.1000	40.0710	20.0000
2-Butanone (MEK)	Averaged	0.14848	0.15754	0.0100	6.1482	20.0000
Carbon disulfide	Averaged	0.69277	0.71635	0.1000	2.3754	20.0000
Carbon tetrachloride	Averaged	0.43237	0.48992	0.1000	9.7165	20.0000
Chlorobenzene	Averaged	1.16635	1.19276	0.5000	4.1558	20.0000
Chloroethane	Linear	50	63.94927	0.1000	27.8985	20.0000
Chloroform	Averaged	0.66365	0.63488	0.2000	-0.7976	20.0000
Chloromethane	Averaged	0.33204	0.34581	0.1000	0.7272	20.0000
Cyclohexane	Averaged	0.56520	0.61526	0.1000	1.7162	20.0000
1,2-Dibromo-3-chloropropane	Linear	50	47.80226	0.0500	-4.3955	20.0000
Dibromochloromethane	Linear	50	47.67256	0.1000	-4.6549	20.0000
1,2-Dibromoethane (EDB)	Averaged	0.35375	0.38861	0.1000	11.0119	20.0000
1,2-Dichlorobenzene	Averaged	1.49324	1.58402	0.4000	3.8664	20.0000
1,3-Dichlorobenzene	Averaged	1.65837	1.71728	0.6000	1.9675	20.0000
1,4-Dichlorobenzene	Averaged	1.71346	1.74933	0.5000	0.1449	20.0000
Dichlorodifluoromethane	Averaged	0.41066	0.56073	0.1000	11.6392	20.0000
1,1-Dichloroethane	Averaged	0.60779	0.62919	0.2000	-7.0547	20.0000
1,2-Dichloroethane	Averaged	0.55646	0.56032	0.1000	2.1205	20.0000
1,1-Dichloroethene	Averaged	0.25797	0.26189	0.1000	3.2307	20.0000
cis-1,2-Dichloroethene	Averaged	0.37878	0.37662	0.1000	3.5906	20.0000
trans-1,2-Dichloroethene	Averaged	0.28096	0.27618	0.1000	1.0973	20.0000
1,2-Dichloropropane	Averaged	0.30186	0.32387	0.1000	10.0981	20.0000
cis-1,3-Dichloropropene	Linear	50	47.88537	0.2000	-4.2292	20.0000
trans-1,3-Dichloropropene	Linear	50	46.90256	0.1000	-6.1949	20.0000
Ethylbenzene	Averaged	0.64886	0.67096	0.1000	3.9955	20.0000
2-Hexanone	Averaged	0.23497	0.25610	0.0500	12.1469	20.0000
Isopropylbenzene (Cumene)	Averaged	1.92715	2.15327	0.1000	9.7386	20.0000
Methyl acetate	Averaged	0.23397	0.25906	0.1000	9.5691	20.0000
Methylcyclohexane	Averaged	0.39117	0.44642	0.1000	8.3851	20.0000
Methylene Chloride	Linear	50	53.53555	0.1000	7.0711	20.0000
4-Methyl-2-pentanone (MIBK)	Averaged	0.33285	0.36821	0.0500	12.8740	20.0000
Methyl-tert-butyl ether	Averaged	0.79817	0.82289	0.1000	9.8575	20.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

05/16/2014 1:00

MSV - FORM VII VOA-2
MSV INITIAL CALIBRATION DATA

SAMPLE:
6719132ICV

Lab Name: Pace Analytical - Indiana
Calibration Date: 05/02/2014 Time: 16:27

Instrument ID: 50MV2B GC Column: Col 1
Init. Calib. Date(s): 05/02/2014 05/02/2014

Lab File ID: B050214CAL.B\B11ICV.D
Init. Calib. Time(s): 10:52 15:20

SDG No.: 5096676

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Styrene	Averaged	1.21294	1.32935	0.3000	13.2534	20.0000
1,1,2,2-Tetrachloroethane	Averaged	0.77816	0.83531	0.3000	2.5158	20.0000
Tetrachloroethene	Averaged	0.47923	0.49370	0.2000	9.9096	20.0000
Toluene	Averaged	1.75273	1.80400	0.4000	2.1378	20.0000
1,2,4-Trichlorobenzene	Averaged	0.80803	1.00256	0.2000	17.6003	20.0000
1,1,1-Trichloroethane	Averaged	0.55727	0.58741	0.1000	6.1945	20.0000
1,1,2-Trichloroethane	Averaged	0.27652	0.28605	0.1000	5.9817	20.0000
Trichloroethene	Averaged	0.35922	0.36239	0.2000	1.1392	20.0000
Trichlorofluoromethane	Averaged	0.56506	0.61810	0.1000	2.3080	20.0000
1,1,2-Trichlorotrifluoroethane	Averaged	0.30170	0.29929	0.1000	0.6551	20.0000
Vinyl chloride	Averaged	0.33391	0.33775	0.1000	2.5175	20.0000
m&p-Xylene	Averaged	0.79831	0.82734	0.1000	3.6386	20.0000
o-Xylene	Averaged	0.74104	0.78189	0.3000	7.1858	20.0000
4-Bromofluorobenzene (S)	Averaged	0.54011	0.54842	0.1000	3.8670	20.0000
Dibromofluoromethane (S)	Averaged	0.28649	0.28129	0.1000	-0.5216	20.0000
Toluene-d8 (S)	Averaged	1.24988	1.27200	0.1000	1.6142	20.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSV - FORM VII VOA-1
MSV CONTINUING CALIBRATION DATA

SAMPLE NO.
6728443CCV

Lab Name: Pace Analytical - Indiana
Calibration Date: 05/06/2014 Time: 11:48

Instrument ID: 50MV2B GC Column: Col 1
Init. Calib. Date(s): 05/02/2014 05/02/2014

Lab File ID: B050614.B\B01CCV.D
Init. Calib. Time(s): 10:52 15:20

SDG No.: 5096676

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Acetone	Linear	250	227.1532	0.0100	-9.1387	20.0000
Benzene	Averaged	1.24402	1.11412	0.5000	-10.4424	20.0000
Bromodichloromethane	Averaged	0.39449	0.38798	0.2000	-1.6504	20.0000
Bromoform	Linear	50	40.90509	0.1000	-18.1898	20.0000
Bromomethane	Averaged	0.10645	0.12002	0.1000	12.7533	20.0000
2-Butanone (MEK)	Averaged	0.14848	0.12704	0.0100	-14.4428	20.0000
Carbon disulfide	Averaged	0.69277	0.64816	0.1000	-6.4394	20.0000
Carbon tetrachloride	Averaged	0.43237	0.45724	0.1000	5.7505	20.0000
Chlorobenzene	Averaged	1.16635	1.14994	0.5000	-1.4067	20.0000
Chloroethane	Linear	50	54.58908	0.1000	9.1782	20.0000
Chloroform	Averaged	0.66365	0.59828	0.2000	-9.8501	20.0000
Chloromethane	Averaged	0.33204	0.26566	0.1000	-19.9930	20.0000
Cyclohexane	Averaged	0.56520	0.52309	0.1000	-7.4503	20.0000
1,2-Dibromo-3-chloropropane	Linear	50	42.14573	0.0500	-15.7085	20.0000
Dibromochloromethane	Linear	50	44.72739	0.1000	-10.5452	20.0000
1,2-Dibromoethane (EDB)	Averaged	0.35375	0.34887	0.1000	-1.3820	20.0000
1,2-Dichlorobenzene	Averaged	1.49324	1.51002	0.4000	1.1234	20.0000
1,3-Dichlorobenzene	Averaged	1.65837	1.64660	0.6000	-0.7095	20.0000
1,4-Dichlorobenzene	Averaged	1.71346	1.69220	0.5000	-1.2408	20.0000
Dichlorodifluoromethane	Averaged	0.41066	0.44867	0.1000	9.2550	20.0000
1,1-Dichloroethane	Averaged	0.60779	0.49350	0.2000	-18.8040	20.0000
1,2-Dichloroethane	Averaged	0.55646	0.50792	0.1000	-8.7222	20.0000
1,1-Dichloroethene	Averaged	0.25797	0.23876	0.1000	-7.4445	20.0000
cis-1,2-Dichloroethene	Averaged	0.37878	0.34521	0.1000	-8.8625	20.0000
trans-1,2-Dichloroethene	Averaged	0.28096	0.26026	0.1000	-7.3686	20.0000
1,2-Dichloropropane	Averaged	0.30186	0.28570	0.1000	-5.3532	20.0000
cis-1,3-Dichloropropene	Linear	50	46.00734	0.2000	-7.9853	20.0000
trans-1,3-Dichloropropene	Linear	50	43.23440	0.1000	-13.5312	20.0000
Ethylbenzene	Averaged	0.64886	0.65553	0.1000	1.0277	20.0000
2-Hexanone	Averaged	0.23497	0.23241	0.0500	-1.0889	20.0000
Isopropylbenzene (Cumene)	Averaged	1.92715	2.04235	0.1000	5.9779	20.0000
Methyl acetate	Averaged	0.23397	0.18244	0.1000	-22.0262	20.0000
Methylcyclohexane	Averaged	0.39117	0.39115	0.1000	-0.0056	20.0000
Methylene Chloride	Linear	50	49.77168	0.1000	-0.4566	20.0000
4-Methyl-2-pentanone (MIBK)	Averaged	0.33285	0.32000	0.0500	-3.8611	20.0000
Methyl-tert-butyl ether	Averaged	0.79817	0.75198	0.1000	-5.7867	20.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

05/16/2014 1:00

MSV - FORM VII VOA-2
MSV CONTINUING CALIBRATION DATA

SAMPLE NO.: 6728443CCV

Lab Name: Pace Analytical - Indiana
Calibration Date: 05/06/2014 Time: 11:48
Instrument ID: 50MV2B GC Column: Col 1
Init. Calib. Date(s): 05/02/2014 05/02/2014
Lab File ID: B050614.B\B01CCV.D
Init. Calib. Time(s): 10:52 15:20
SDG No.: 5096676

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Styrene	Averaged	1.21294	1.26967	0.3000	4.6770	20.0000
1,1,2,2-Tetrachloroethane	Averaged	0.77816	0.75162	0.3000	-3.4108	20.0000
Tetrachloroethene	Averaged	0.47923	0.49045	0.2000	2.3404	20.0000
Toluene	Averaged	1.75273	1.70480	0.4000	-2.7349	20.0000
1,2,4-Trichlorobenzene	Averaged	0.80803	0.96548	0.2000	19.4855	20.0000
1,1,1-Trichloroethane	Averaged	0.55727	0.55440	0.1000	-0.5150	20.0000
1,1,2-Trichloroethane	Averaged	0.27652	0.26579	0.1000	-3.8802	20.0000
Trichloroethene	Averaged	0.35922	0.33979	0.2000	-5.4100	20.0000
Trichlorofluoromethane	Averaged	0.56506	0.51506	0.1000	-8.8486	20.0000
1,1,2-Trichlorotrifluoroethane	Averaged	0.30170	0.29106	0.1000	-3.5277	20.0000
Vinyl chloride	Averaged	0.33391	0.29845	0.1000	-10.6218	20.0000
m&p-Xylene	Averaged	0.79831	0.78959	0.1000	-1.0913	20.0000
o-Xylene	Averaged	0.74104	0.75598	0.3000	2.0154	20.0000
4-Bromofluorobenzene (S)	Averaged	0.54011	0.53542	0.1000	-0.8687	20.0000
Dibromofluoromethane (S)	Averaged	0.28649	0.27488	0.1000	-4.0502	20.0000
Toluene-d8 (S)	Averaged	1.24988	1.26642	0.1000	1.3234	20.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSV - FORM VIII VOA-1

MSV INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Pace Analytical - Indiana SDG No.: 5096676 Contract: E027039 / Allison Trans

Sample ID : 6728443CCV Init. Calib. Date: 05/02/2014 Time: 05/02/2014

Instrument ID: 50MV2B GC Column: Col 1 Date Analyzed: 05/06/2014

Lab File ID: B050614.B\B01CCV.D Time Analyzed: 11:48

		AREA CBZ	RT	AREA DCB	RT	AREA FBZ	RT
12 HOUR STD		278414	7.251	150568	8.826	383597	4.182
UPPER LIMIT		556828	7.751	301136	9.326	767194	4.682
LOWER LIMIT		139207	6.751	75284	8.326	191798.5	3.682
LAB SAMPLE ID	SAMPLE NO.						
1088989	1088989BLANK	249302	7.251	129825	8.826	317048	4.179
1088990	1088990LCS	269369	7.251	148212	8.826	383102	4.182
5096676001	TB-01 (042414)	254903	7.251	132592	8.823	330551	4.182
5096676002	PW-2-S3(042414)	251198	7.251	127401	8.826	321867	4.185

CBZ = Chlorobenzene-D5 (IS)

DCB = 1,4-Dichlorobenzene-d4 (IS)

FBZ = Fluorobenzene (IS)

AREA UPPER LIMIT = 200% 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

* Values outside of QC Limits

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

TB-01 (042414)

Lab Name: Pace Analytical - Indiana Contract: E027039 / Allison Trans

Date Received: 04/24/2014 13:35 Matrix: Water SDG No.: 5096676

Date Extracted: 05/06/2014 14:34 Lab Sample ID: 5096676001

Date Analyzed: 05/06/2014 14:34 Lab File ID: B050614.B\B06.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV2B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	ND	U
71-43-2	Benzene	ND	U
75-27-4	Bromodichloromethane	ND	U
75-25-2	Bromoform	ND	U
74-83-9	Bromomethane	ND	U
78-93-3	2-Butanone (MEK)	ND	U
75-15-0	Carbon disulfide	ND	U
56-23-5	Carbon tetrachloride	ND	U
108-90-7	Chlorobenzene	ND	U
75-00-3	Chloroethane	ND	U
67-66-3	Chloroform	ND	U
74-87-3	Chloromethane	ND	U
110-82-7	Cyclohexane	ND	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	U
124-48-1	Dibromochloromethane	ND	U
106-93-4	1,2-Dibromoethane (EDB)	ND	U
95-50-1	1,2-Dichlorobenzene	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
75-71-8	Dichlorodifluoromethane	ND	U
75-34-3	1,1-Dichloroethane	ND	U
107-06-2	1,2-Dichloroethane	ND	U
75-35-4	1,1-Dichloroethene	ND	U
156-59-2	cis-1,2-Dichloroethene	ND	U
156-60-5	trans-1,2-Dichloroethene	ND	U
78-87-5	1,2-Dichloropropane	ND	U
10061-01-5	cis-1,3-Dichloropropene	ND	U
10061-02-6	trans-1,3-Dichloropropene	ND	U
100-41-4	Ethylbenzene	ND	U
591-78-6	2-Hexanone	ND	U
98-82-8	Isopropylbenzene (Cumene)	ND	U
79-20-9	Methyl acetate	ND	U
108-87-2	Methylcyclohexane	ND	U
75-09-2	Methylene Chloride	ND	U
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	U
1634-04-4	Methyl-tert-butyl ether	ND	U
100-42-5	Styrene	ND	U

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

TB-01 (042414)

Lab Name: Pace Analytical - Indiana Contract: E027039 / Allison Trans

Date Received: 04/24/2014 13:35 Matrix: Water SDG No.: 5096676

Date Extracted: 05/06/2014 14:34 Lab Sample ID: 5096676001

Date Analyzed: 05/06/2014 14:34 Lab File ID: B050614.B\B06.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV2B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	ND	U
127-18-4	Tetrachloroethene	ND	U
108-88-3	Toluene	ND	U
120-82-1	1,2,4-Trichlorobenzene	ND	U
71-55-6	1,1,1-Trichloroethane	ND	U
79-00-5	1,1,2-Trichloroethane	ND	U
79-01-6	Trichloroethene	ND	U
75-69-4	Trichlorofluoromethane	ND	U
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U
75-01-4	Vinyl chloride	ND	U
1330-20-7	Xylene (Total)	ND	U

Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b06.d Page 1
Report Date: 07-May-2014 12:20

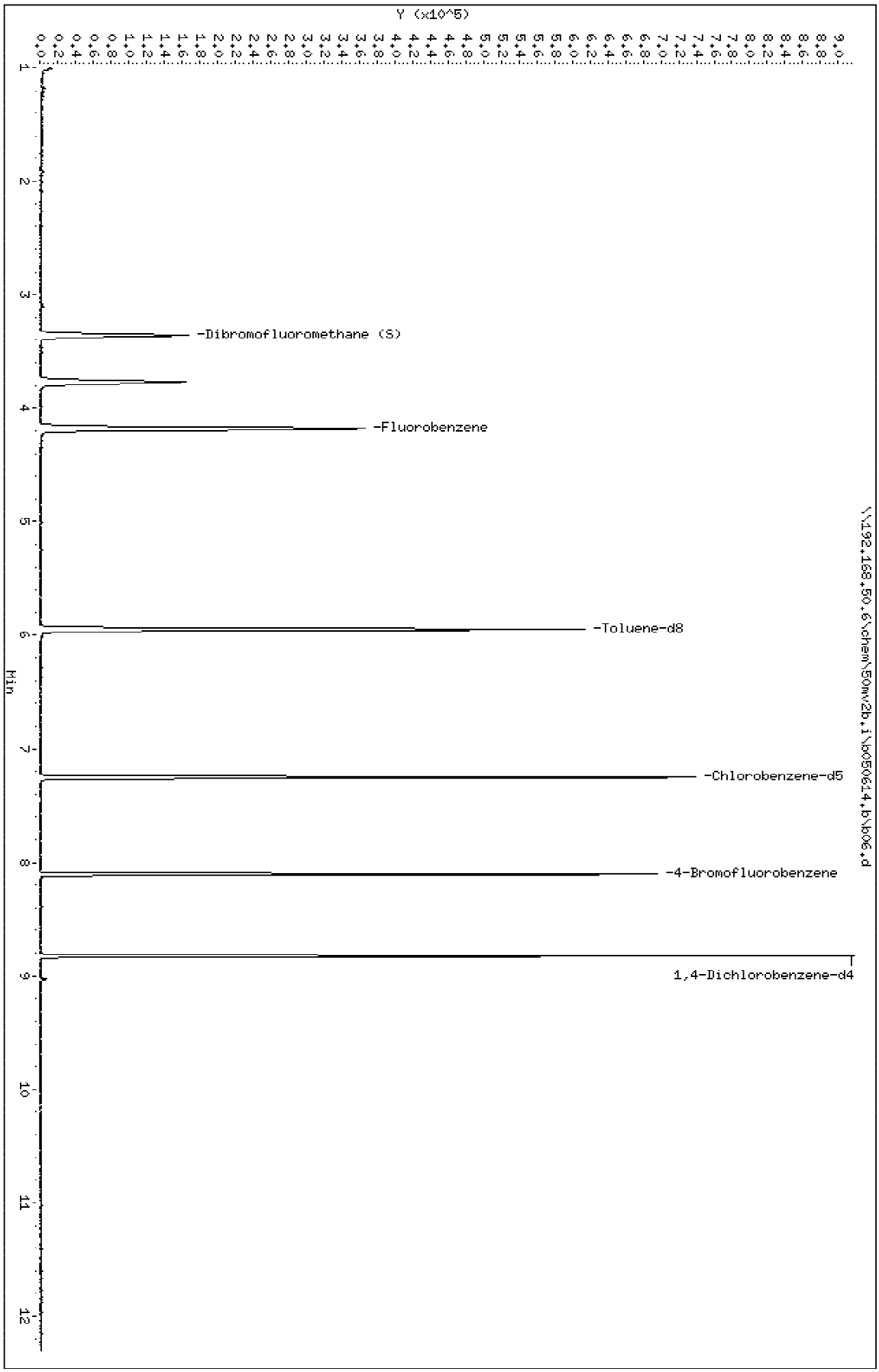
Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv2b.i\b050614.b\b06.d
Lab Smp Id: 5096676001 Client Smp ID: 5096676001
Inj Date : 06-MAY-2014 14:34
Operator : dac Inst ID: 50mv2b.i
Smp Info : 5096676001
Misc Info : 64381
Comment :
Method : \\192.168.50.6\chem\50mv2b.i\b050614.b\-b8260_a_b.m
Meth Date : 07 May 2014 10:18 50mv2b.i Quant Type: ISTD
Cal Date : 02 MAY 2014 15:20 Cal File: b09cal8.d
Als bottle: 57
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 50-VOA-DAF

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON COLUMN (ppb)	FINAL (ppb)	REVIEW C
$ 32 Dibromofluoromethane (S)	113	3.358	3.361	(0.803)	95469	50.4071	50.4	
* 40 Fluorobenzene	96	4.182	4.182	(1.000)	330551	50.0000		
$ 49 Toluene d8	98	5.946	5.946	(0.820)	323952	50.8401	50.8	
* 59 Chlorobenzene-d5	117	7.250	7.250	(1.000)	254903	50.0000		
$ 70 4-Bromofluorobenzene	95	8.102	8.102	(1.117)	133935	48.6415	48.6	
* 82 1,4-Dichlorobenzene-d4	152	8.822	8.825	(1.000)	132592	50.0000		



Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b06.d
Date : 06-MAY-2014 14:34
Client ID: 5096676001
Sample Info: 5096676001
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mv2b.i
Operator: dae
Column diameter: 0.18

Page 2

Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b/b06.d
Injection Date: 06-MAY-2014 14:34
Instrument: 50mv2b.i
Lab Sample ID: 5096676001
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

PW-2-S3(042414)

Lab Name: Pace Analytical - Indiana Contract: E027039 / Allison Trans

Date Received: 04/24/2014 13:35 Matrix: Water SDG No.: 5096676

Date Extracted: 05/06/2014 15:07 Lab Sample ID: 5096676002

Date Analyzed: 05/06/2014 15:07 Lab File ID: B050614.B\B07.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV2B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	ND	U
71-43-2	Benzene	ND	U
75-27-4	Bromodichloromethane	ND	U
75-25-2	Bromoform	ND	U
74-83-9	Bromomethane	ND	U
78-93-3	2-Butanone (MEK)	ND	U
75-15-0	Carbon disulfide	ND	U
56-23-5	Carbon tetrachloride	ND	U
108-90-7	Chlorobenzene	ND	U
75-00-3	Chloroethane	ND	U
67-66-3	Chloroform	ND	U
74-87-3	Chloromethane	ND	U
110-82-7	Cyclohexane	ND	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	U
124-48-1	Dibromochloromethane	ND	U
106-93-4	1,2-Dibromoethane (EDB)	ND	U
95-50-1	1,2-Dichlorobenzene	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
75-71-8	Dichlorodifluoromethane	ND	U
75-34-3	1,1-Dichloroethane	ND	U
107-06-2	1,2-Dichloroethane	ND	U
75-35-4	1,1-Dichloroethene	ND	U
156-59-2	cis-1,2-Dichloroethene	47.8	
156-60-5	trans-1,2-Dichloroethene	ND	U
78-87-5	1,2-Dichloropropane	ND	U
10061-01-5	cis-1,3-Dichloropropene	ND	U
10061-02-6	trans-1,3-Dichloropropene	ND	U
100-41-4	Ethylbenzene	ND	U
591-78-6	2-Hexanone	ND	U
98-82-8	Isopropylbenzene (Cumene)	ND	U
79-20-9	Methyl acetate	ND	U
108-87-2	Methylcyclohexane	ND	U
75-09-2	Methylene Chloride	ND	U
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	U
1634-04-4	Methyl-tert-butyl ether	ND	U
100-42-5	Styrene	ND	U

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

PW-2-S3(042414)

Lab Name: Pace Analytical - Indiana Contract: E027039 / Allison Trans

Date Received: 04/24/2014 13:35 Matrix: Water SDG No.: 5096676

Date Extracted: 05/06/2014 15:07 Lab Sample ID: 5096676002

Date Analyzed: 05/06/2014 15:07 Lab File ID: B050614.B\B07.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV2B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	ND	U
127-18-4	Tetrachloroethene	ND	U
108-88-3	Toluene	ND	U
120-82-1	1,2,4-Trichlorobenzene	ND	U
71-55-6	1,1,1-Trichloroethane	ND	U
79-00-5	1,1,2-Trichloroethane	ND	U
79-01-6	Trichloroethene	ND	U
75-69-4	Trichlorofluoromethane	ND	U
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U
75-01-4	Vinyl chloride	13.8	
1330-20-7	Xylene (Total)	ND	U

Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b07.d Page 1
Report Date: 07-May-2014 12:20

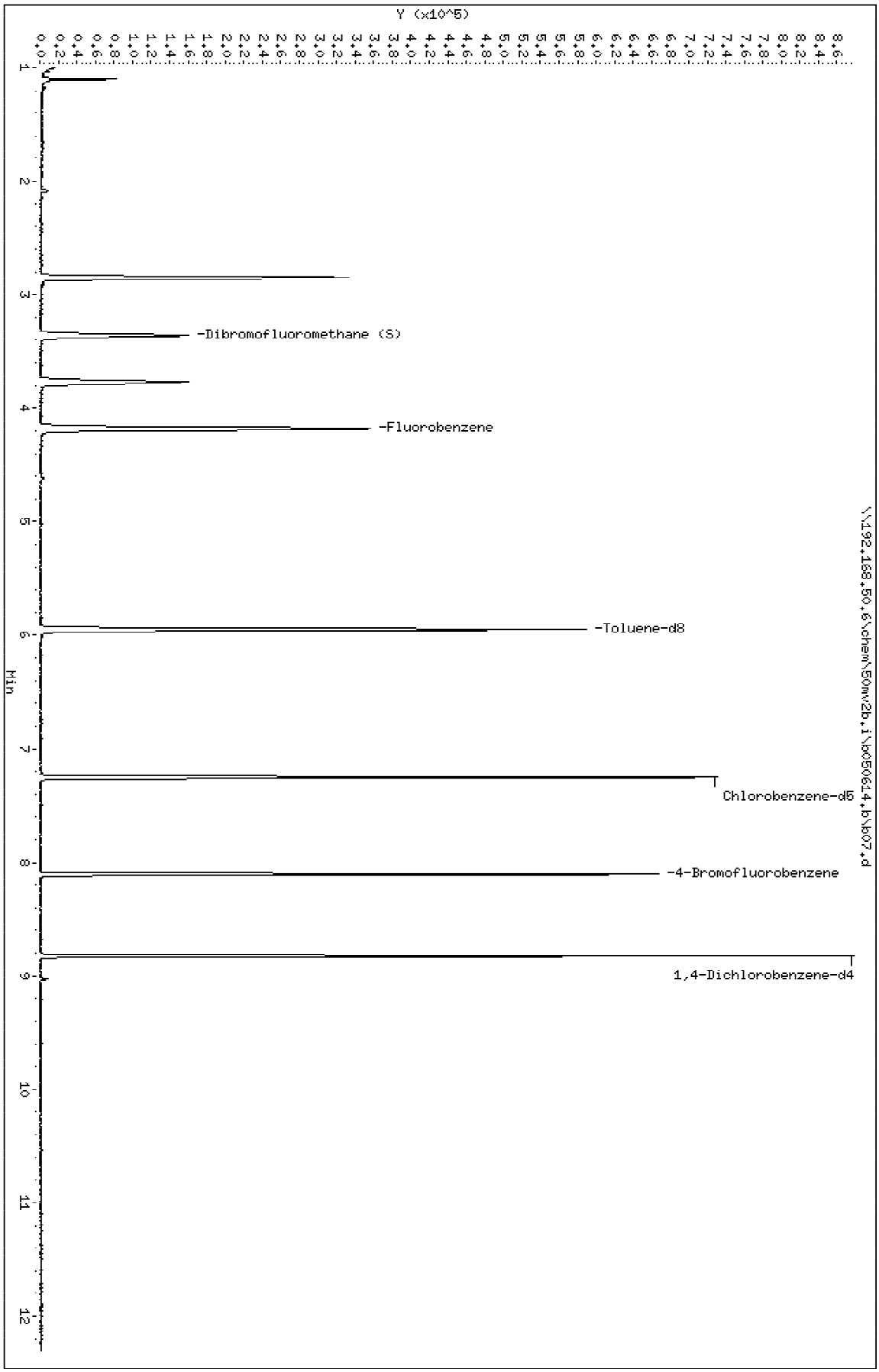
Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv2b.i\b050614.b\b07.d
Lab Smp Id: 5096676002 Client Smp ID: 5096676002
Inj Date : 06-MAY-2014 15:07
Operator : dac Inst ID: 50mv2b.i
Smp Info : 5096676002
Misc Info : 64381
Comment :
Method : \\192.168.50.6\chem\50mv2b.i\b050614.b\-b8260_a_b.m
Meth Date : 07 May 2014 10:18 50mv2b.i Quant Type: ISTD
Cal Date : 02 MAY 2014 15:20 Cal File: b09cal8.d
Als bottle: 58
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 50-VOA-DAF

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON COLUMN (ppb)	FINAL (ppb)	REVIEW C
	3 Vinyl Chloride	62	1.099	1.099	(0.263)	29640	13.7892	13.8	
	10 1,2-Dichloroethene (trans)	96	2.087	2.084	(0.499)	1758	0.97200	0.972	
	25 1,2 Dichloroethene (cis)	96	2.849	2.852	(0.681)	116491	47.7743	47.8	
$	32 Dibromofluoromethane (S)	113	3.358	3.361	(0.803)	92628	50.2265	50.2	
*	40 Fluorobenzene	96	4.185	4.182	(1.000)	321867	50.0000		
$	49 Toluene-d8	98	5.946	5.946	(0.820)	313078	49.8583	49.8	
*	59 Chlorobenzene-d5	117	7.251	7.250	(1.000)	251198	50.0000		
$	70 4-Bromofluorobenzene	95	8.102	8.102	(1.117)	130575	48.1206	48.1	
*	82 1,4-Dichlorobenzene-d4	152	8.825	8.825	(1.000)	127401	50.0000		



Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b07.d
Date : 06-MAY-2014 15:07
Client ID: 5096676002
Sample Info: 5096676002
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mv2b.i
Operator: dae
Column diameter: 0.18

Page 2

Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b07.d Page 3

Date : 06-MAY-2014 15:07

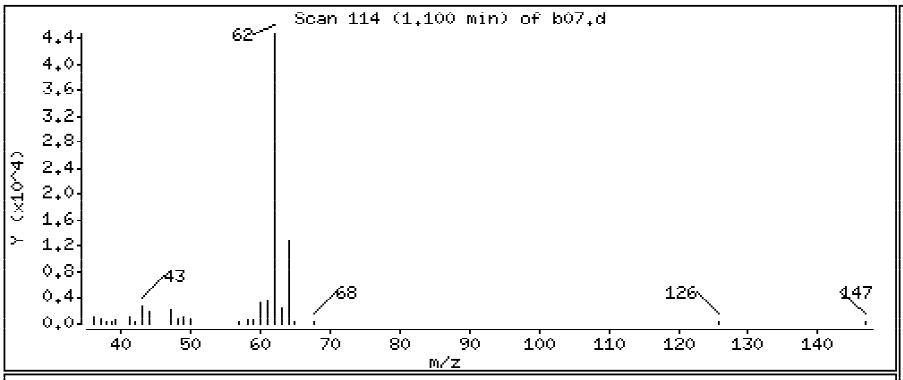
Client ID: 5096676002 Instrument: 50mv2b.i

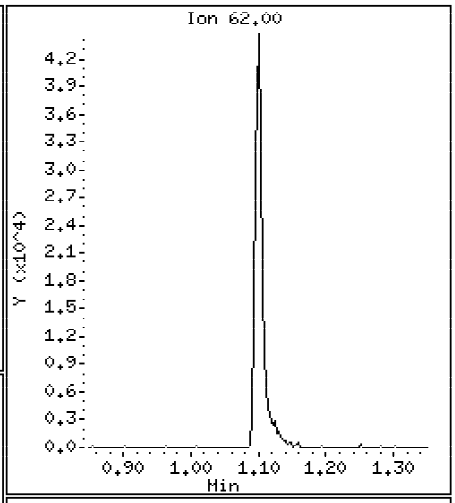
Sample Info: 5096676002

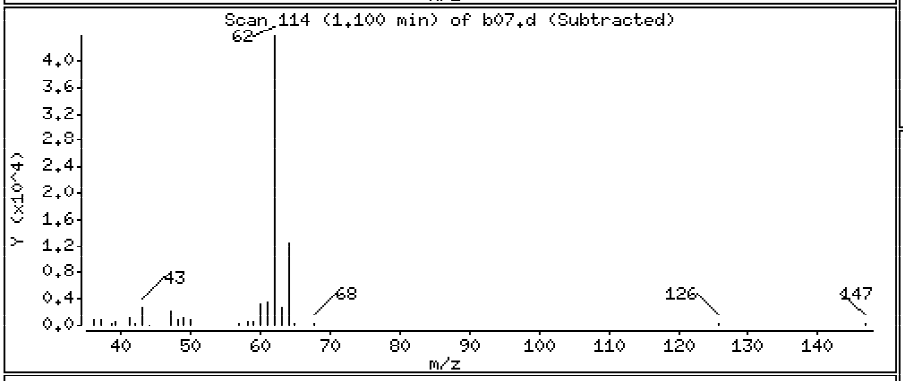
Purge Volume: 5.0 Operator: dae

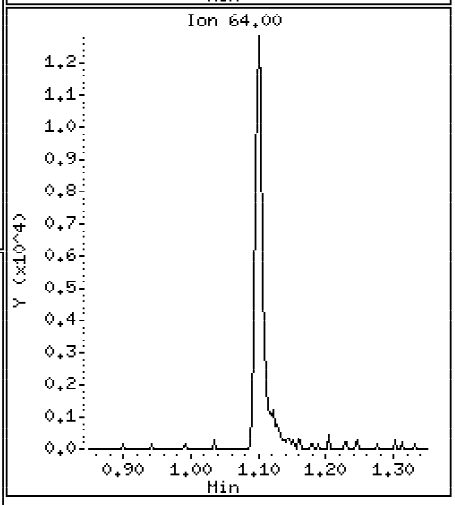
Column phase: DB-624 Column diameter: 0.18

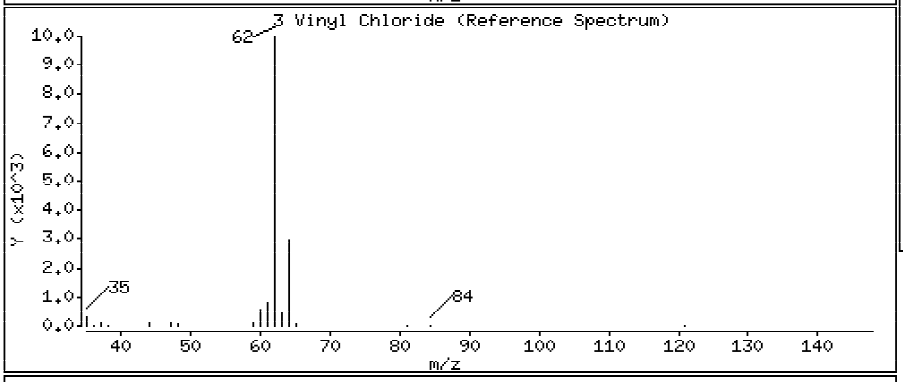
3 Vinyl Chloride Concentration: 13.8 ppb

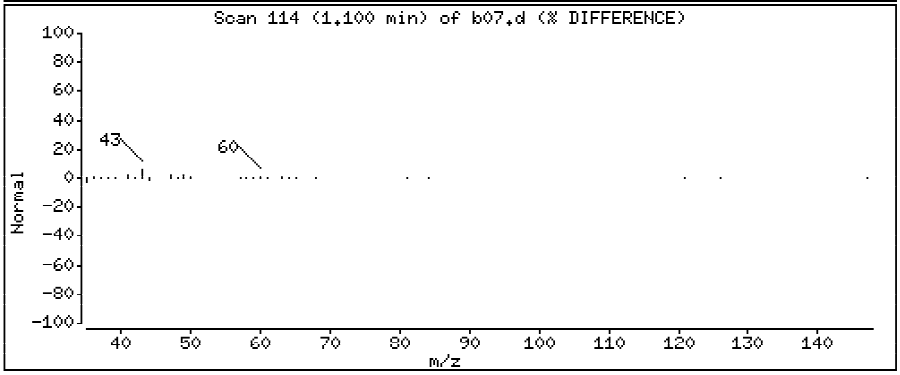












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b07.d Page 4

Date : 06-MAY-2014 15:07

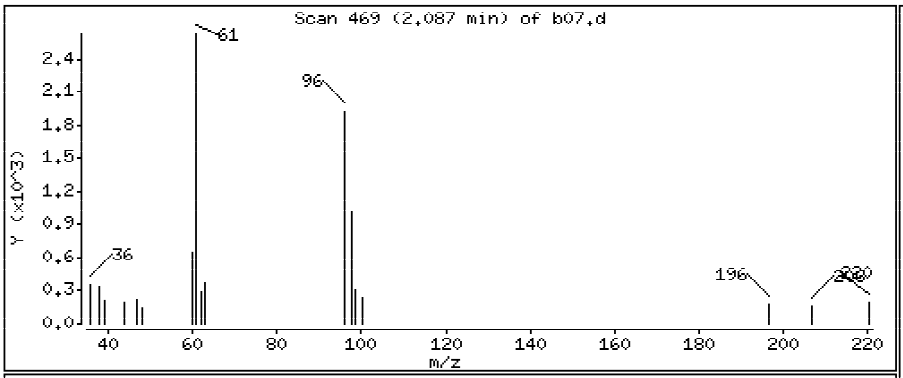
Client ID: 5096676002 Instrument: 50mv2b.i

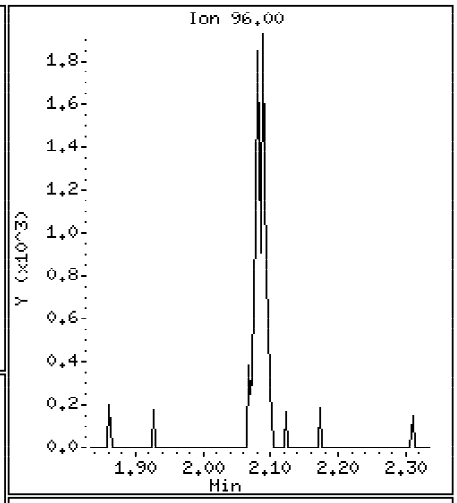
Sample Info: 5096676002

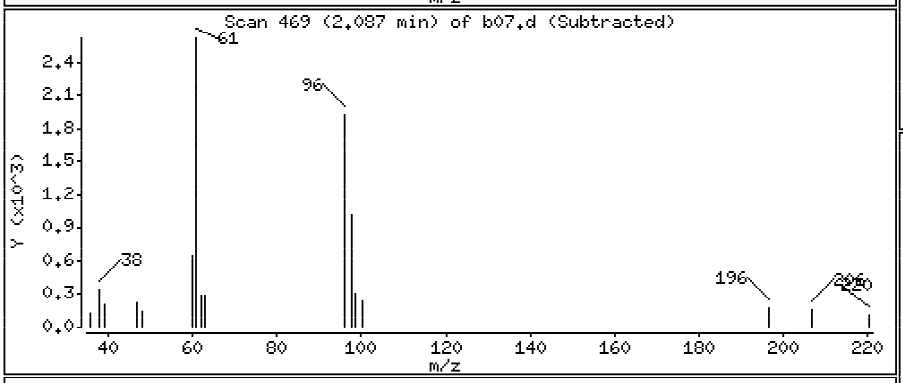
Purge Volume: 5.0 Operator: dae

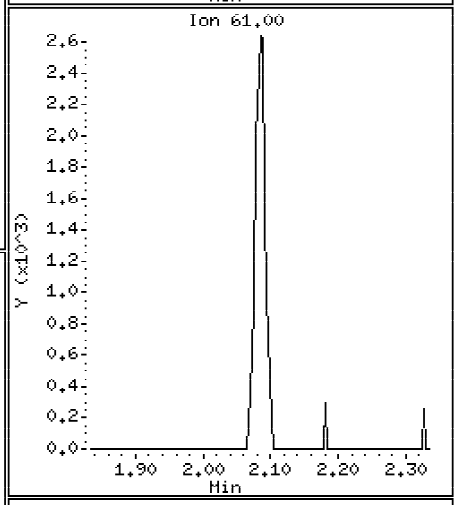
Column phase: DB-624 Column diameter: 0.18

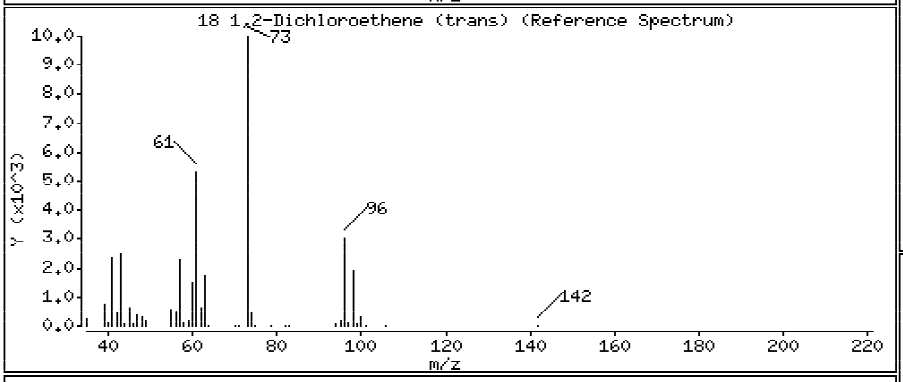
18 1,2-Dichloroethene (trans) Concentration: 0.972 ppb

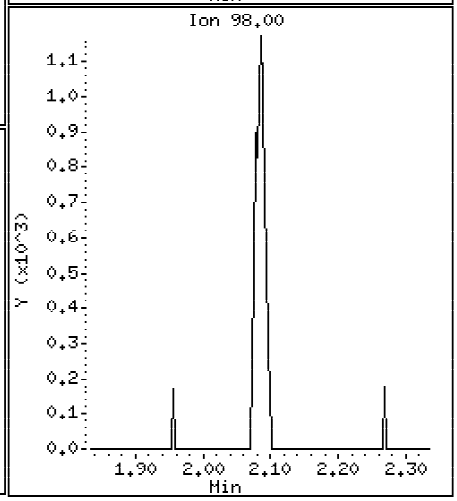


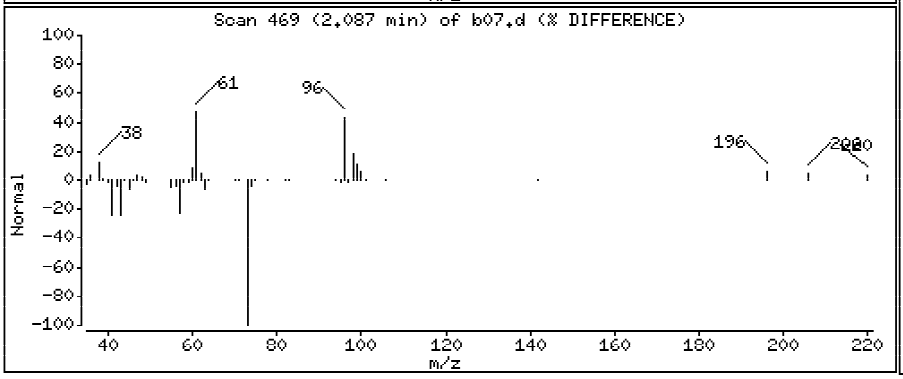












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b07.d Page 5

Date : 06-MAY-2014 15:07

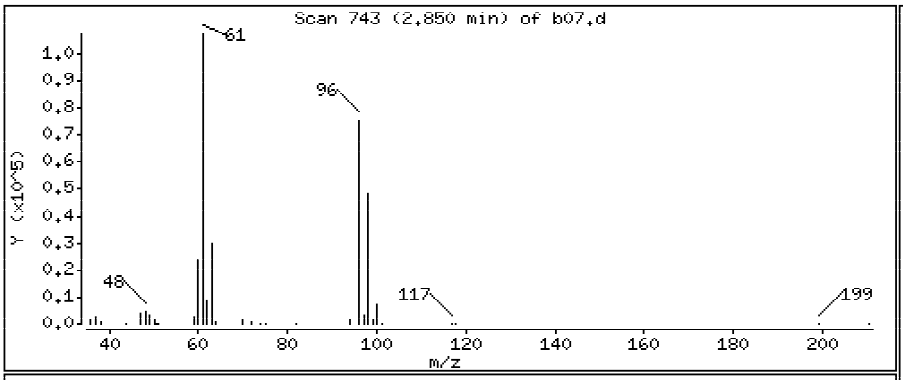
Client ID: 5096676002 Instrument: 50mv2b.i

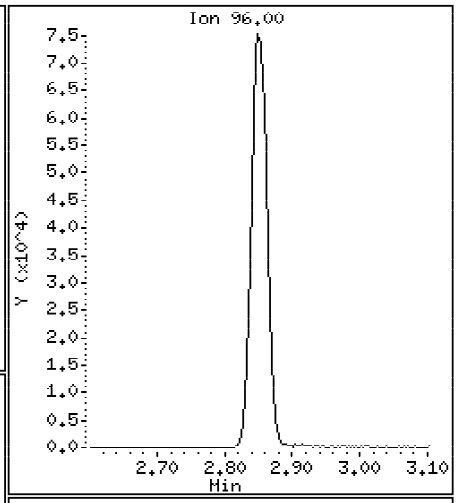
Sample Info: 5096676002

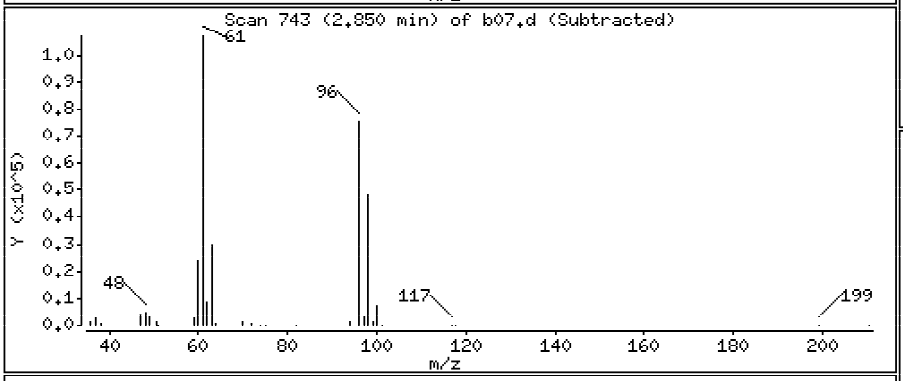
Purge Volume: 5.0 Operator: dae

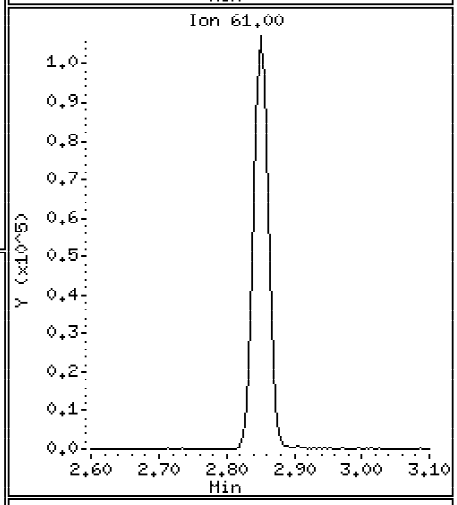
Column phase: DB-624 Column diameter: 0.18

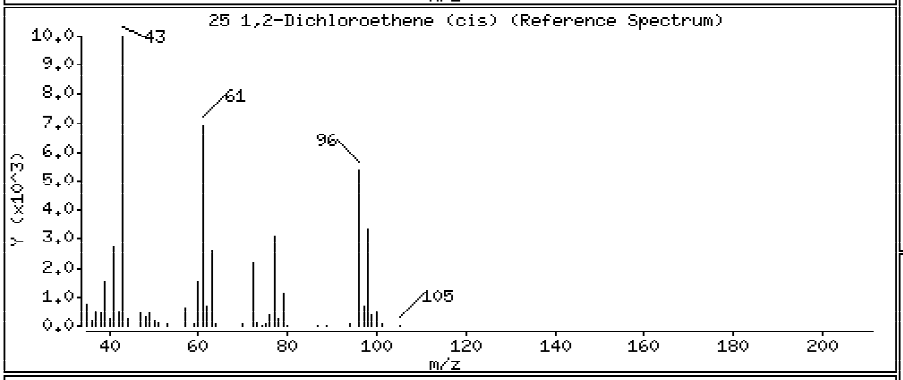
25 1,2-Dichloroethene (cis) Concentration: 47.8 ppb

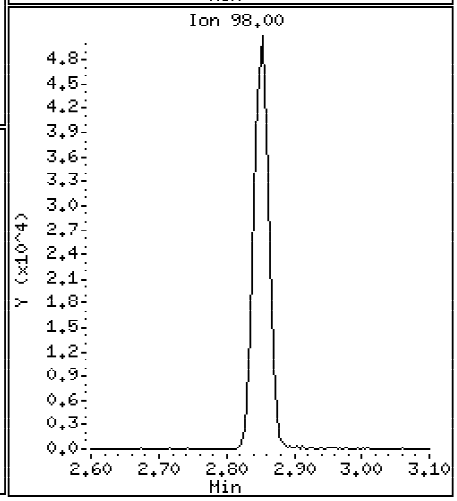


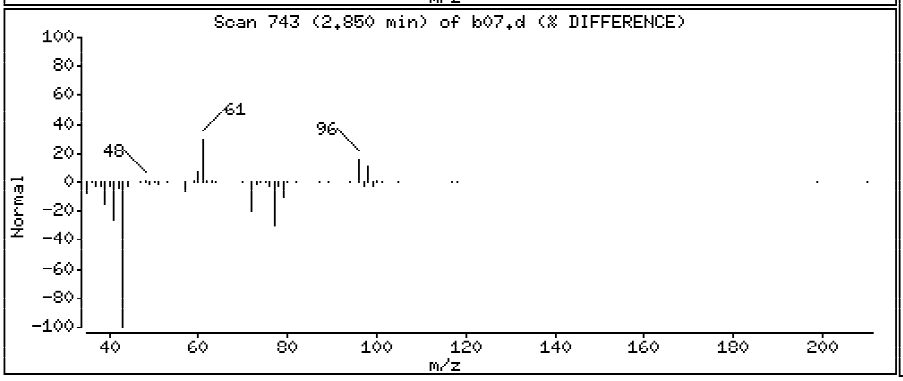












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b/b07.d
Injection Date: 06-MAY-2014 15:07
Instrument: 50mv2b.i
Lab Sample ID: 5096676002
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b02cal1.d
Lab Smp Id: 8260-CAL1,65548:0 Client Smp ID: 8260-CAL1,65548:0
Inj Date : 02-MAY-2014 11:25
Operator : dac Inst ID: 50mv2b.i
Smp Info : 8260-cal1,65548:0
Misc Info : 64180
Comment :
Method : \\192.168.50.6\chem\50mv2b.i\b050214cal.b\-b8260_a_b.m
Meth Date : 05 May 2014 11:52 dengelhard Quant Type: ISTD
Cal Date : 15 APR 2014 22:38 Cal File: b09cal8.d
Als bottle: 53 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)		REVIEW C
1	Dichlorodifluoromethane	85	0.974	0.971	(0.233)	1715	0.50000		(QM)	NI
2	Chloromethane	50	1.088	1.077	(0.260)	1589	0.50000		(M)	NI
3	Vinyl Chloride	62	1.099	1.099	(0.263)	1421	0.50000		(QM)	WP
4	Bromomethane	94	1.246	1.238	(0.298)	357	0.50000		(QM)	NI
5	Chloroethane	64	1.291	1.285	(0.309)	1829	0.50000		(M)	NI
6	Trichlorofluoromethane	101	1.399	1.397	(0.335)	2585	0.50000		(Q)	
7	Diethyl ether	74	1.519	1.519	(0.363)	937	0.50000		(QM)	NI
8	Acrolein	56	1.597	1.591	(0.382)	3659	10.0000			
9	1,1-Dichloroethene	96	1.650	1.647	(0.395)	972	0.50000		(QM)	NI
10	1,1,2Trichlorotrifluoroethane	101	1.644	1.641	(0.393)	1260	0.50000		(Q)	
11	Acetone	43	1.661	1.658	(0.397)	2295	2.50000		(QM)	NI
12	Iodomethane	142	1.733	1.733	(0.415)	716	1.00000		(QM)	NI
141	Acetonitrile	39	1.847	1.839	(0.442)	2373	0.50000		(QM)	NI
13	Carbon Disulfide	76	1.781	1.778	(0.426)	6073	1.00000		(M)	NI
14	allyl chloride	41	1.842	1.839	(0.441)	2785	1.00000		(QM)	NI
15	Methylene Chloride	84	1.914	1.914	(0.458)	1860	0.50000		(QM)	NI
16	Acrylonitrile	53	2.048	2.048	(0.490)	8907	10.0000			
17	tert-Butyl Alcohol	59	1.950	1.956	(0.466)	323	1.00000		(M)	NI
18	1,2-Dichloroethene (trans)	96	2.087	2.081	(0.499)	1152	0.50000		(QM)	NI
19	Methyl-tert-butyl ether	73	2.070	2.073	(0.495)	6113	1.00000			
20	n-Hexane	57	2.265	2.262	(0.542)	1930	0.50000		(M)	NI
138	Methyl Acetate	43	1.828	1.822	(0.437)	995	0.50000		(M)	NI
21	1,1-Dichloroethane	63	2.387	2.384	(0.571)	2716	0.50000		(QM)	NI

Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b02cal1.d Page 2
Report Date: 05-May-2014 13:36

		QUANT SIG					AMOUNTS CAL AMT	ON COL	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ppb)	(ppb)	REVIEW C
	23 Vinyl Acetate	43	2.373	2.373	(0.560)	9236	2.00000	(M)	NI
	143 Chloroprene	53	2.437	2.437	(0.583)	2333	0.50000	(QM)	NI
	24 2,2-Dichloropropane	77	2.860	2.857	(0.684)	1496	0.50000	(M)	NI
	25 1,2-Dichloroethene (cis)	96	2.855	2.852	(0.683)	1452	0.50000	(Q)	
	26 2-Butanone	43	2.841	2.838	(0.679)	2910	2.50000	(M)	NI
	27 Propionitrile	54	2.899	2.893	(0.693)	137	0.50000	(M)	NI
	142 Methacrylonitrile	41	3.041	3.041	(0.727)	905	2.00000	(QM)	NI
	28 1,2-dichlorotrifluoroethane	67	1.539	1.538	(0.368)	1491	0.50000	(QM)	NI
	29 Bromochloromethane	49	3.080	3.080	(0.737)	1101	0.50000	(QM)	NI
	30 Tetrahydrofuran	42	3.097	3.094	(0.741)	1501	0.50000	(QM)	NI
	31 Chloroform	83	3.191	3.188	(0.763)	2885	0.50000		
$	32 Dibromofluoromethane (S)	113	3.358	3.361	(0.803)	99900	50.0000		
	33 1,1,1-Trichloroethane	97	3.358	3.361	(0.803)	2138	0.50000	(Q)	
	34 cyclohexane	56	3.450	3.436	(0.825)	2439	0.50000	(QM)	LT
	35 Carbon Tetrachloride	117	3.533	3.536	(0.845)	1528	0.50000	(QM)	NI
	36 1,1-Dichloropropene	75	3.553	3.547	(0.850)	1780	0.50000	(QM)	NI
	37 Isobutyl alcohol	43	3.951	3.951	(0.945)	337	0.50000	(QM)	NI
	38 Benzene	78	3.787	3.787	(0.906)	5694	0.50000		
	39 1,2-Dichloroethane	62	3.878	3.876	(0.927)	2218	0.50000	(QM)	NI
	144 2,2,4-Trimethylpentane	57	3.967	3.956	(0.949)	4239	0.50000	(Q)	
*	40 Fluorobenzene	96	4.182	4.179	(1.000)	336281	50.0000		
	41 Trichloroethene	95	4.624	4.618	(1.106)	1566	0.50000	(Q)	
	139 Methylcyclohexane	55	4.875	4.874	(1.166)	1407	0.50000	(QM)	NI
	42 1,2-Dichloropropane	63	4.911	4.919	(1.174)	1087	0.50000	(QM)	NI
	43 Dibromomethane	93	5.011	5.005	(1.198)	859	0.50000	(QM)	NI
	140 1,4-Dioxane	88	5.019	5.011	(1.200)	92	0.50000	(QM)	NI
	44 Methyl methacrylate	69	5.025	5.027	(1.202)	820	0.50000	(QM)	NI
	45 Bromodichloromethane	83	5.217	5.222	(1.247)	1360	0.50000	(QM)	NI
	46 2-Chloroethyl vinyl ether	63	5.562	5.556	(0.767)	833	2.00000	(M)	NI
	47 cis 1,3 Dichloropropene	75	5.687	5.687	(0.784)	1690	0.50000	(M)	NI
	48 4 Methyl 2 Pentanone	43	5.854	5.857	(0.807)	5066	2.50000	(QM)	NI
$	49 Toluene d8	98	5.946	5.948	(0.820)	333399	50.0000		
	50 Toluene	91	6.012	6.015	(0.829)	5089	0.50000		
	51 trans-1,3-Dichloropropene	75	6.200	6.205	(0.866)	976	0.50000	(QM)	NI
	52 Ethyl Methacrylate	69	6.363	6.368	(0.877)	1297	0.50000	(M)	NI
	53 1,1,2-Trichloroethane	83	6.472	6.466	(0.892)	996	0.50000	(QM)	NI
	54 Tetrachloroethene	166	6.516	6.513	(0.898)	1450	0.50000	(QM)	NI
	55 1,3-Dichloropropane	76	6.611	6.608	(0.911)	1923	0.50000	(QM)	NI
	56 2-Hexanone	43	6.683	6.677	(0.921)	3477	2.50000	(QM)	NI
	57 Dibromochloromethane	129	6.786	6.789	(0.936)	856	0.50000	(QM)	NI
	58 1,2-Dibromoethane	107	6.875	6.875	(0.948)	1144	0.50000	(QM)	NI
*	59 Chlorobenzene-d5	117	7.253	7.250	(1.000)	269853	50.0000		
	60 Chlorobenzene	112	7.273	7.273	(1.003)	3842	0.50000	(Q)	
	61 1,1,1,2-Tetrachloroethane	131	7.353	7.353	(1.014)	998	0.50000	(QM)	NI
	62 Ethylbenzene	106	7.362	7.362	(1.015)	2087	0.50000	(Q)	
	63 m&p-Xylene	106	7.468	7.465	(1.030)	5555	1.00000	(Q)	
	65 o-Xylene	106	7.732	7.732	(1.066)	2402	0.50000	(Q)	
	66 Styrene	104	7.751	7.751	(1.069)	3664	0.50000		
	67 Bromoform	173	7.868	7.868	(0.892)	368	0.50000	(QM)	NI
	68 Isopropylbenzene	105	7.991	7.991	(1.102)	5777	0.50000	(M)	NI
	69 trans-1,4-Dichloro-2-butene	53	8.227	8.230	(1.134)	162	0.50000	(QM)	NI
$	70 4-Bromofluorobenzene	95	8.105	8.102	(1.117)	143339	50.0000		
	71 Bromobenzene	77	8.183	8.185	(1.128)	2459	0.50000	(Q)	
	72 1,1,2,2-Tetrachloroethane	83	8.199	8.205	(0.929)	1222	0.50000	(QM)	NI

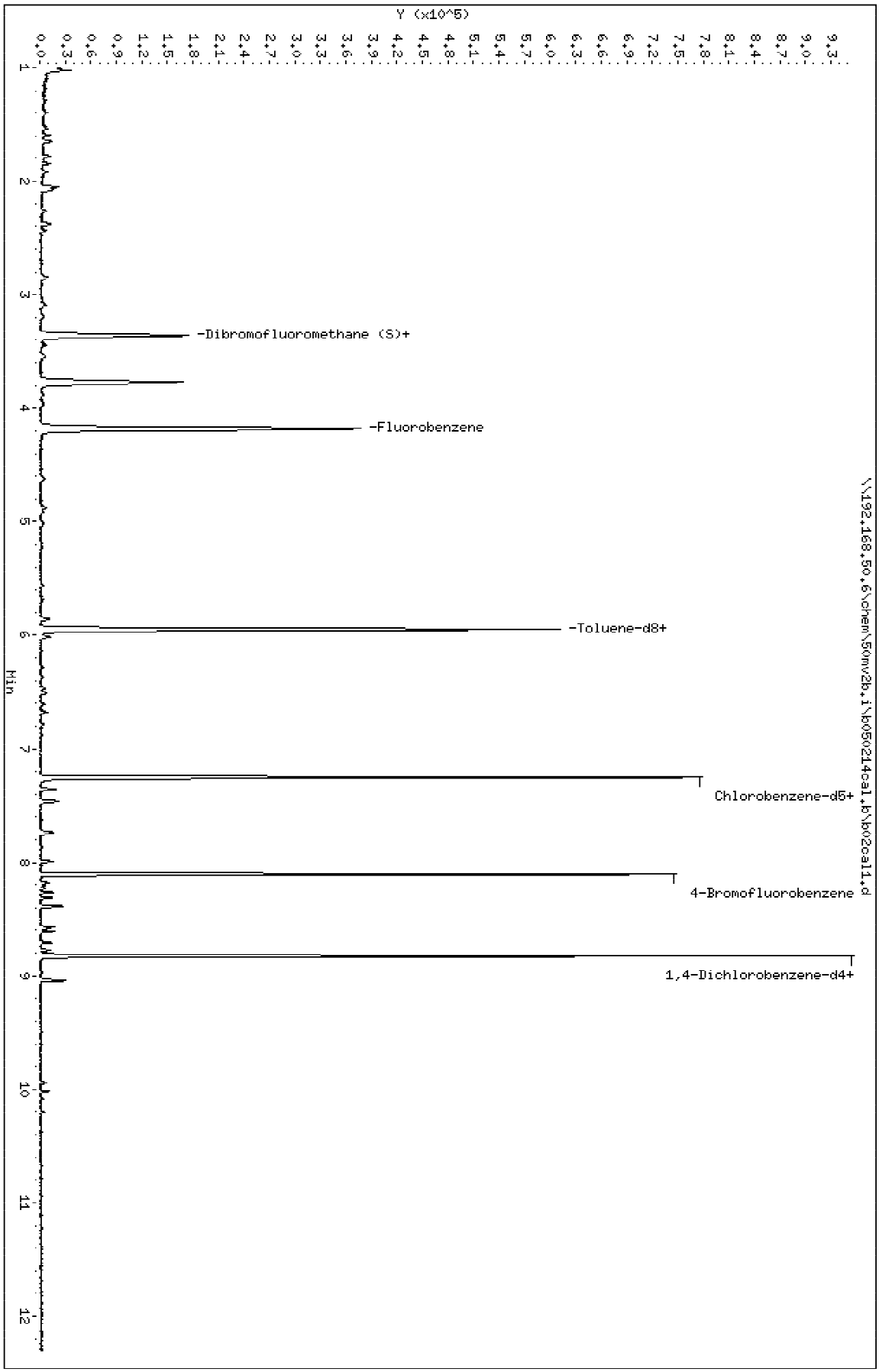
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL AMT (ppb)	ON COL (ppb)		REVIEW C
73	1,2,3-Trichloropropane	110	8.233	8.235	(0.933)	580	0.50000		(QM)	NI
74	n-Propylbenzene	91	8.266	8.263	(0.937)	6631	0.50000			
75	2-Chlorotoluene	91	8.311	8.310	(0.942)	4780	0.50000		(Q)	
76	4-Chlorotoluene	126	8.388	8.391	(0.951)	1496	0.50000		(Q)	
77	1,3,5-Trimethylbenzene	105	8.383	8.383	(0.950)	5074	0.50000			
78	tert-Butylbenzene	119	8.572	8.575	(0.971)	4891	0.50000		(Q)	
79	1,2,4-Trimethylbenzene	105	8.611	8.611	(0.976)	5036	0.50000			
80	sec-Butylbenzene	105	8.711	8.711	(0.987)	5354	0.50000			
81	1,3-Dichlorobenzene	146	8.778	8.775	(0.995)	2695	0.50000		(QM)	WP
* 82	1,4-Dichlorobenzene-d4	152	8.825	8.825	(1.000)	138796	50.0000			
83	p-Isopropyltoluene	119	8.806	8.806	(0.998)	4863	0.50000		(Q)	
84	1,4-Dichlorobenzene	146	8.836	8.839	(1.001)	3026	0.50000			
85	1,2-Dichlorobenzene	146	9.042	9.045	(1.025)	2611	0.50000		(Q)	
86	n-Butylbenzene	91	9.040	9.042	(1.024)	4062	0.50000		(QM)	NI
87	1,2-Dibromo-3-chloropropane	155	9.496	9.496	(1.076)	167	0.50000		(QM)	NI
88	1,2,4-Trichlorobenzene	180	9.944	9.944	(1.127)	1001	0.50000		(QM)	NI
89	Hexachlorobutadiene	225	10.019	10.022	(1.135)	1009	0.50000		(QM)	NI
90	Naphthalene	128	10.086	10.086	(1.143)	1523	0.50000		(M)	NI
91	1,2,3-Trichlorobenzene	180	10.203	10.202	(1.156)	943	0.50000		(QM)	NI
92	2,methyl-naphthalene	142	10.687	10.687	(1.211)	25	0.50000		(QM)	NI
145	1-Methylnaphthalene	142	10.787	10.781	(1.222)	67	0.50000		(M)	NI

QC Flag Legend

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

Review Codes Legend

NI: Indicates that the peak was not integrated at all by the computer software.
WP: Indicates that the wrong peak was chosen by the data system.
:
LT: Indicates that the peak in question was inappropriately integrated to an area less than what it should be (e.g., Peak area was cut).



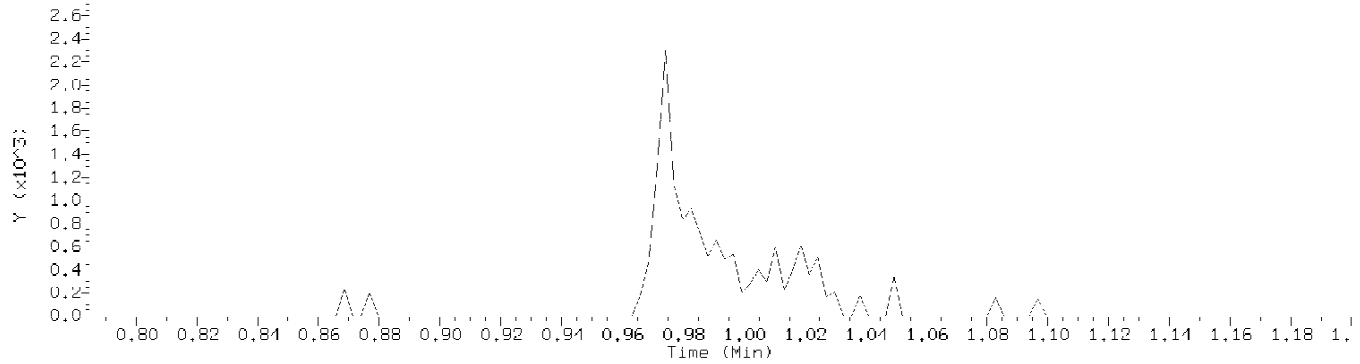
Data File: \\192.168.50.6\chem\50mv2b.i\b05\214cal.b\b02cal1.d
Date : 02-MAY-2014 11:25
Client ID: 8260-CAL1,65548:0
Sample Info: 8260-CAL1,65548:0
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mv2b.i
Operator: dae
Column diameter: 0.18

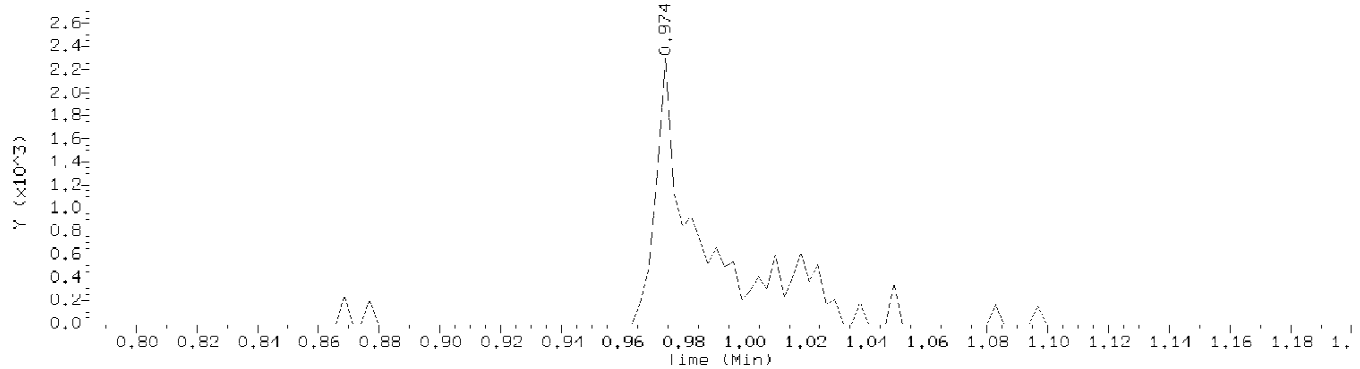
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Compound: Dichlorodifluoromethane
CAS Number: 107-06-2

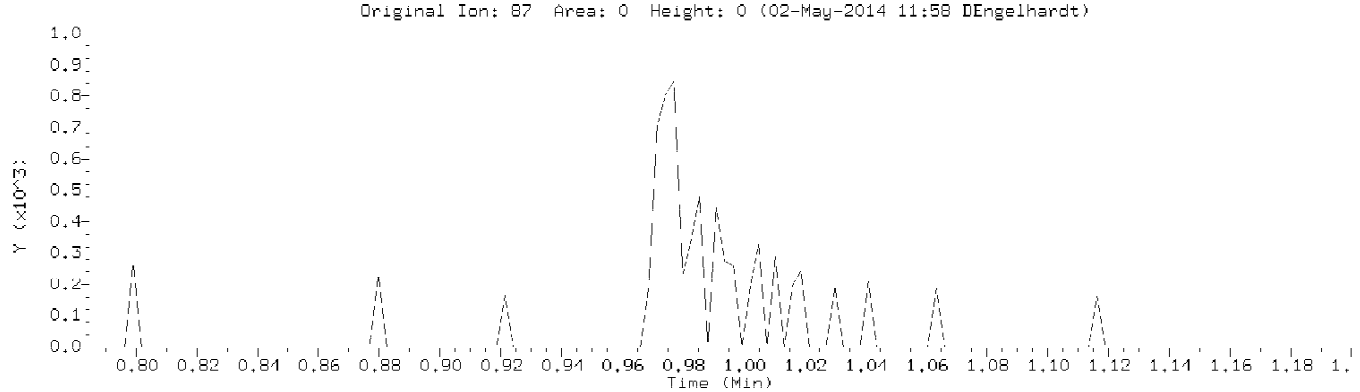
Original Ion: 85 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)



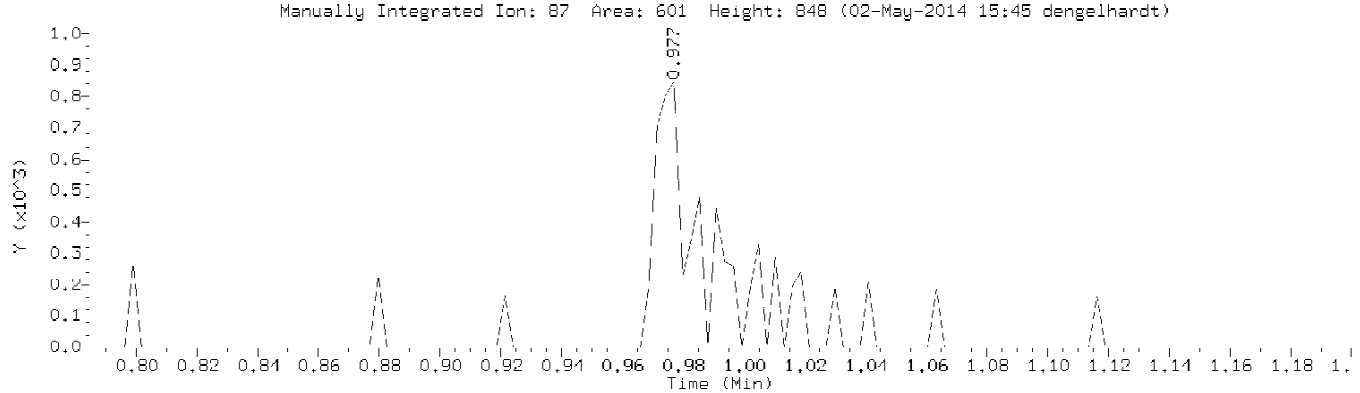
Manually Integrated Ion: 85 Area: 1715 Height: 2302 (02-May-2014 15:45 dengelhardt)



Original Ion: 87 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)

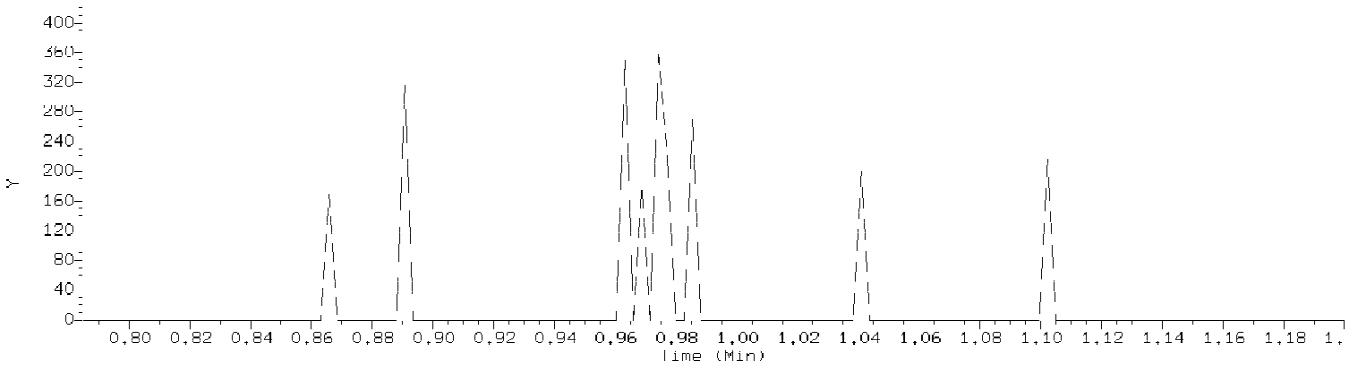


Manually Integrated Ion: 87 Area: 601 Height: 848 (02-May-2014 15:45 dengelhardt)

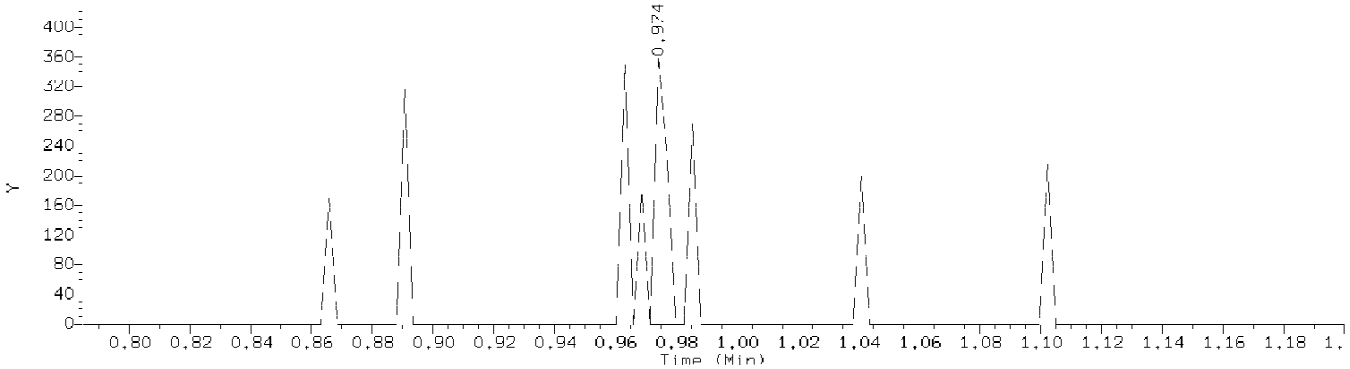


Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Original Ion: 101 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)



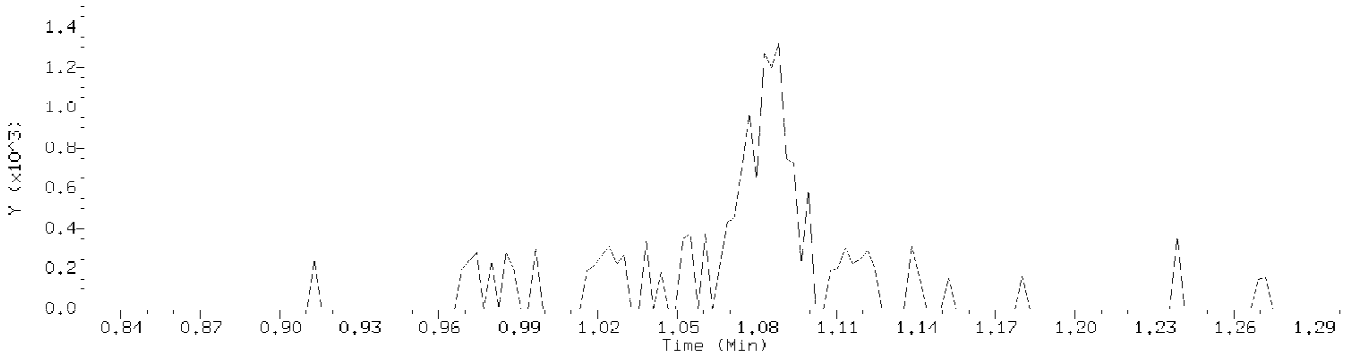
Manually Integrated Ion: 101 Area: 97 Height: 358 (02-May-2014 15:45 dengelhardt)



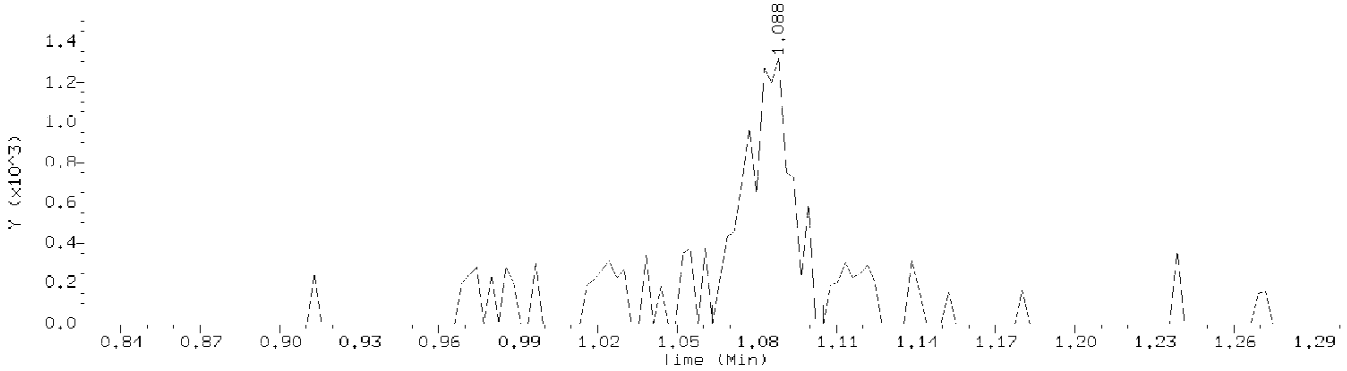
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Compound: Chloromethane
CAS Number: 74-87-3

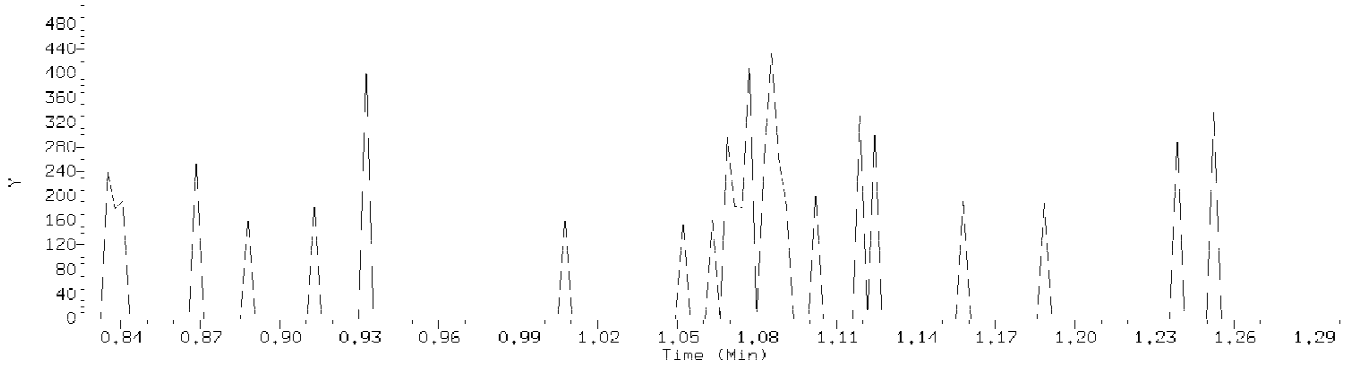
Original Ion: 50 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)



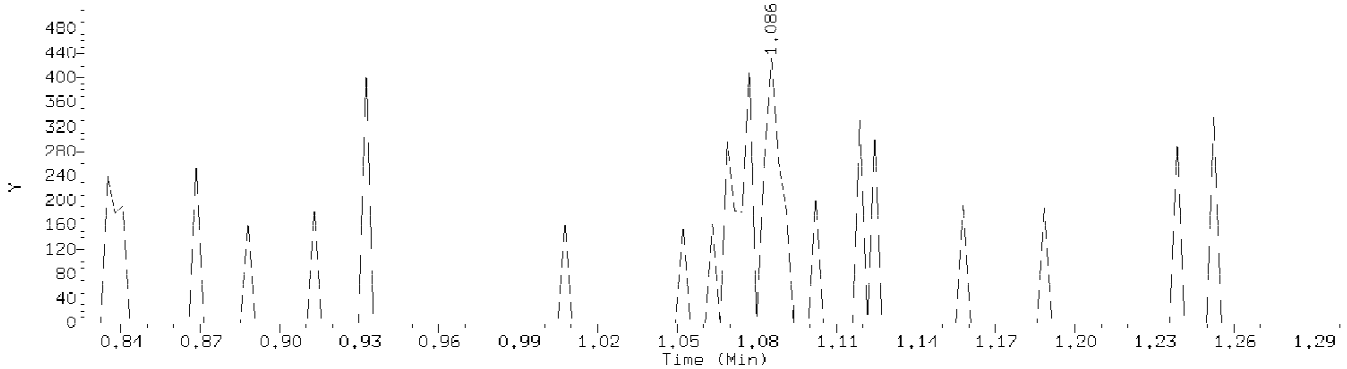
Manually Integrated Ion: 50 Area: 1589 Height: 1320 (02-May-2014 15:45 dengelhardt)



Original Ion: 52 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)



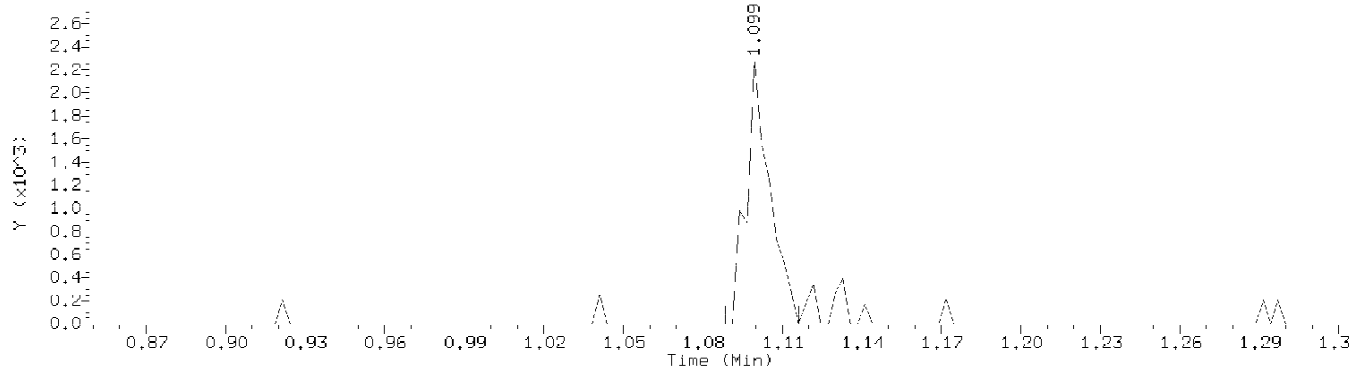
Manually Integrated Ion: 52 Area: 190 Height: 433 (02-May-2014 15:45 dengelhardt)



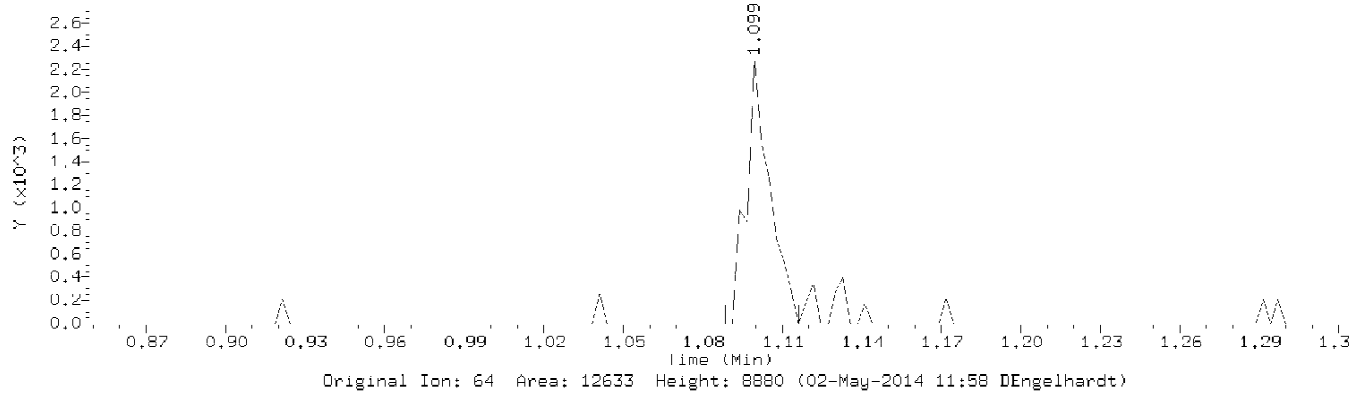
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Compound: Vinyl Chloride
CAS Number: 75-01-4

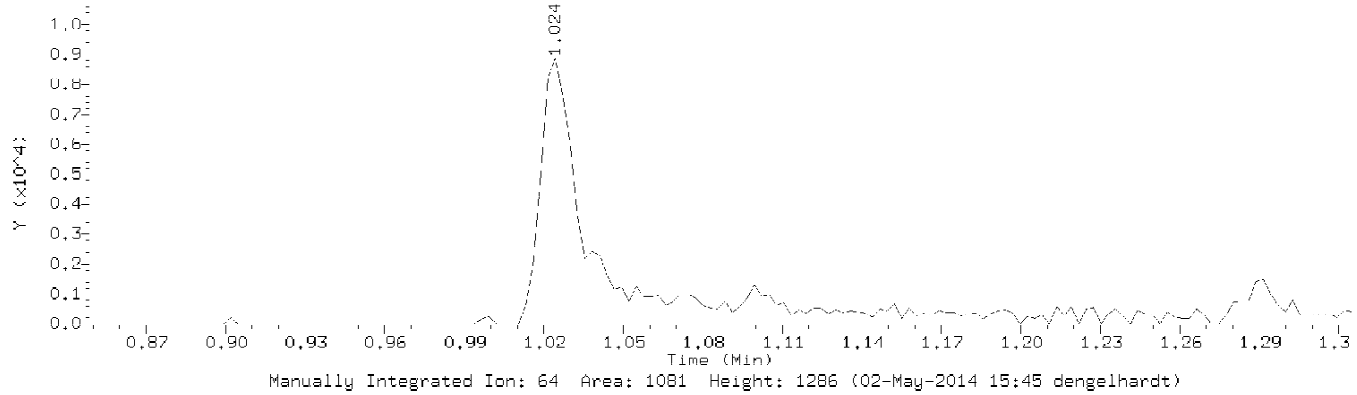
Original Ion: 62 Area: 1421 Height: 2301 (02-May-2014 11:58 DEngelhardt)



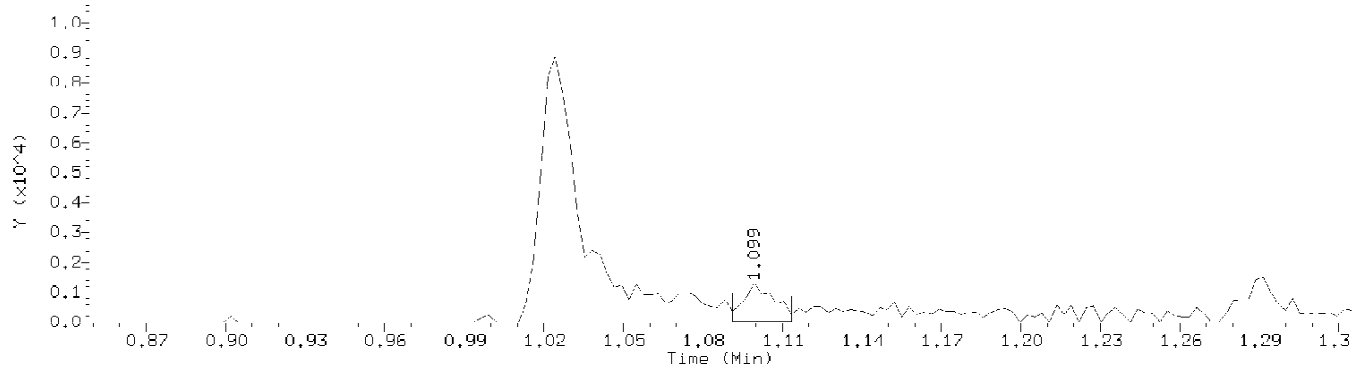
Manually Integrated Ion: 62 Area: 1421 Height: 2301 (02-May-2014 15:45 dengelhardt)



Original Ion: 64 Area: 12633 Height: 8880 (02-May-2014 11:58 DEngelhardt)



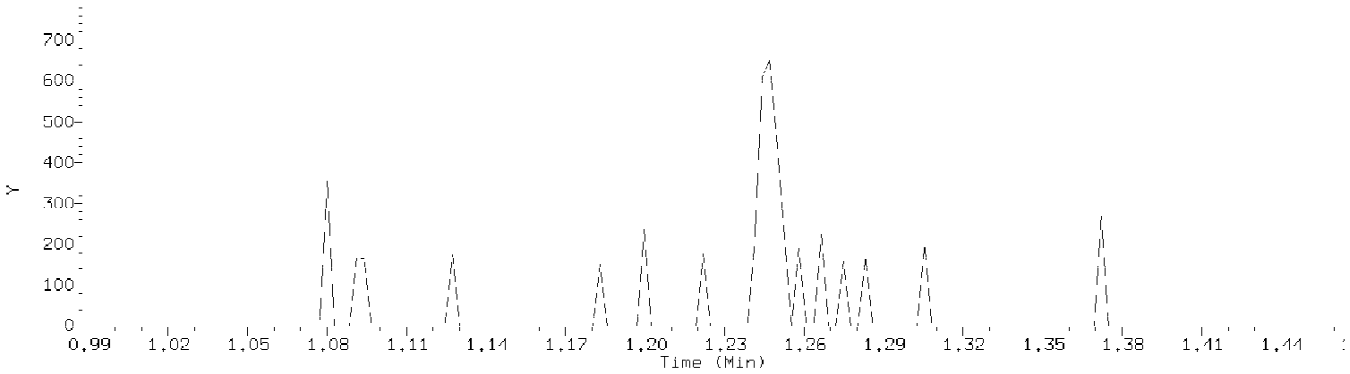
Manually Integrated Ion: 64 Area: 1081 Height: 1286 (02-May-2014 15:45 dengelhardt)



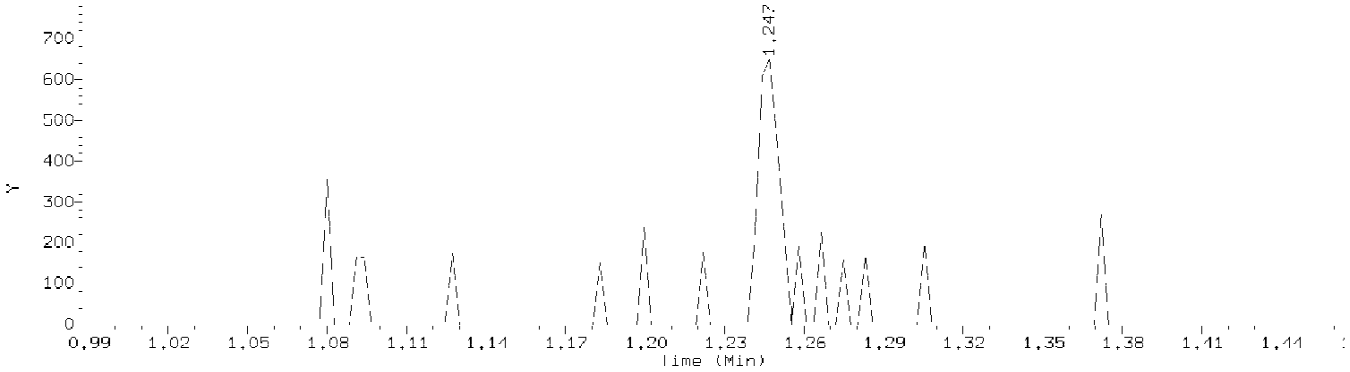
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Compound: Bromomethane
CAS Number: 74-83-9

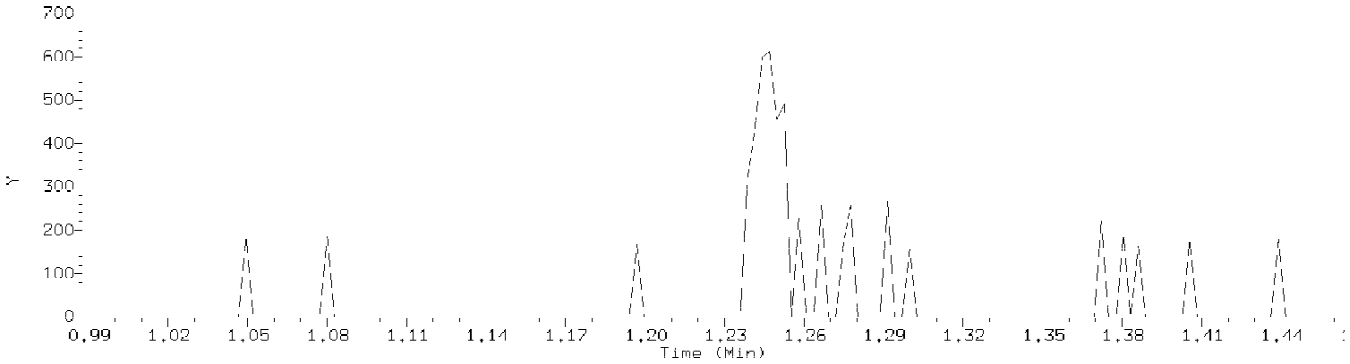
Original Ion: 94 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)



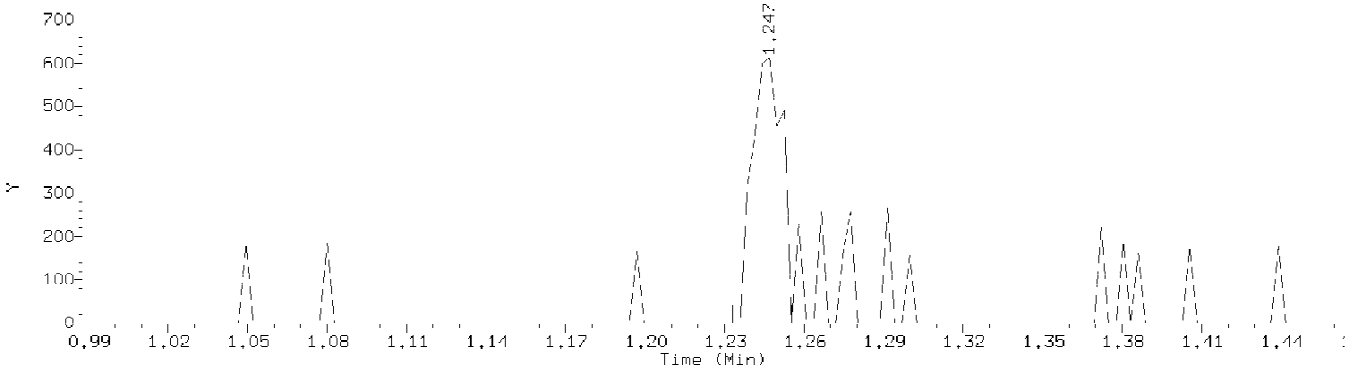
Manually Integrated Ion: 94 Area: 357 Height: 651 (02-May-2014 15:45 dengelhardt)



Original Ion: 96 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)



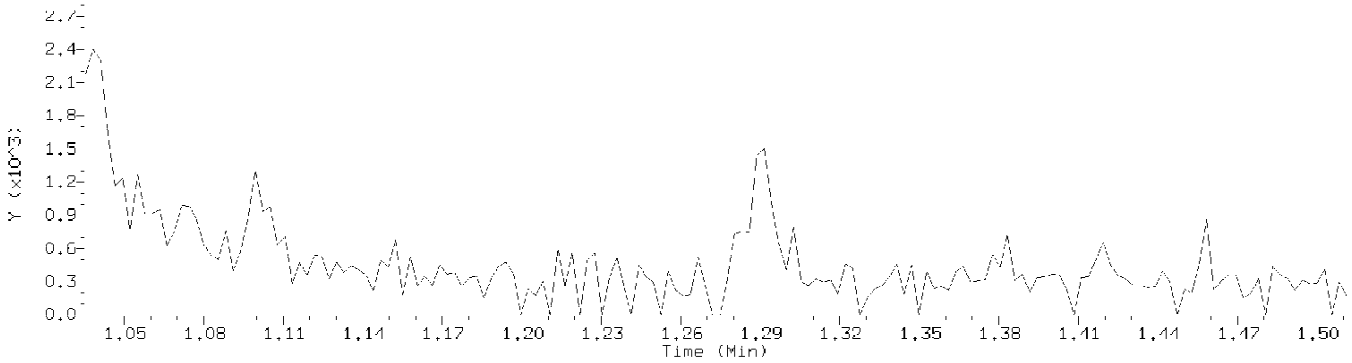
Manually Integrated Ion: 96 Area: 484 Height: 613 (02-May-2014 15:45 dengelhardt)



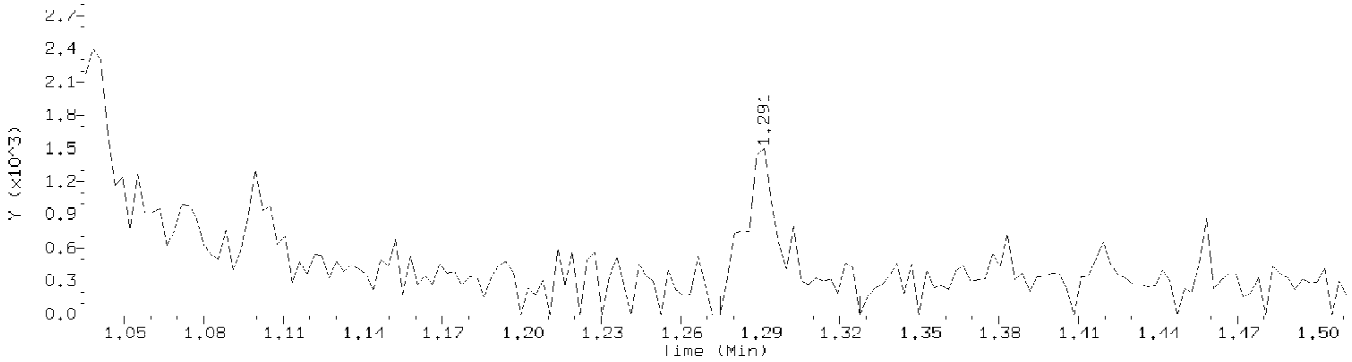
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Compound: Chloroethane
CAS Number: 75-00-3

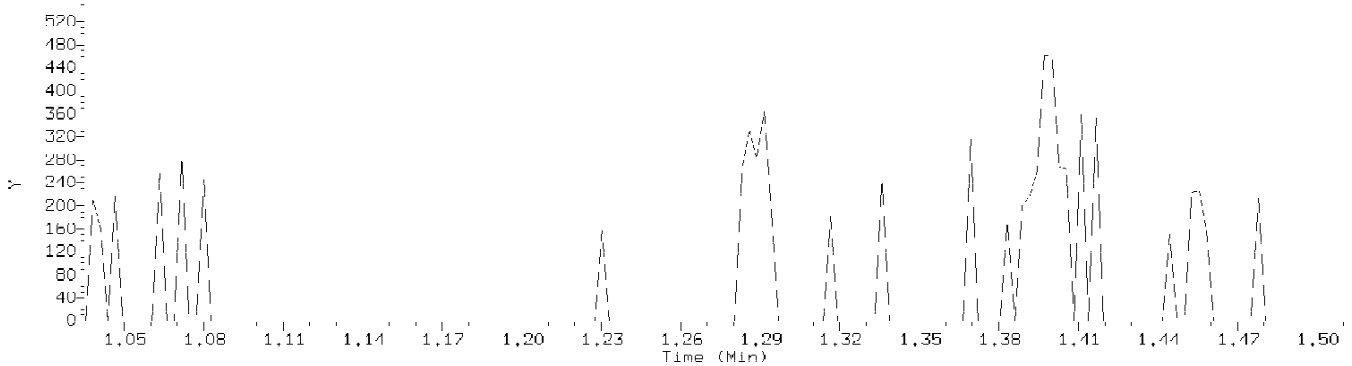
Original Ion: 64 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)



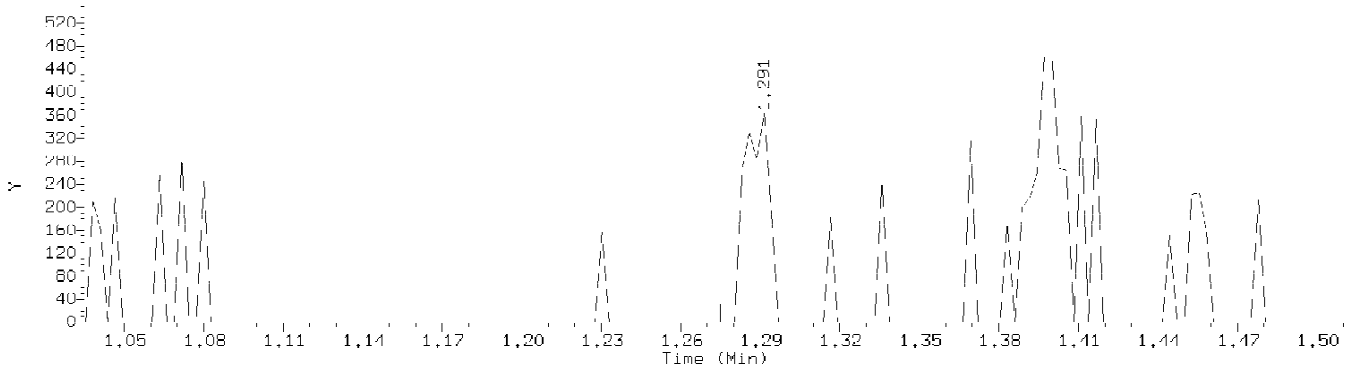
Manually Integrated Ion: 64 Area: 1829 Height: 1503 (02-May-2014 15:45 dengelhardt)



Original Ion: 66 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)



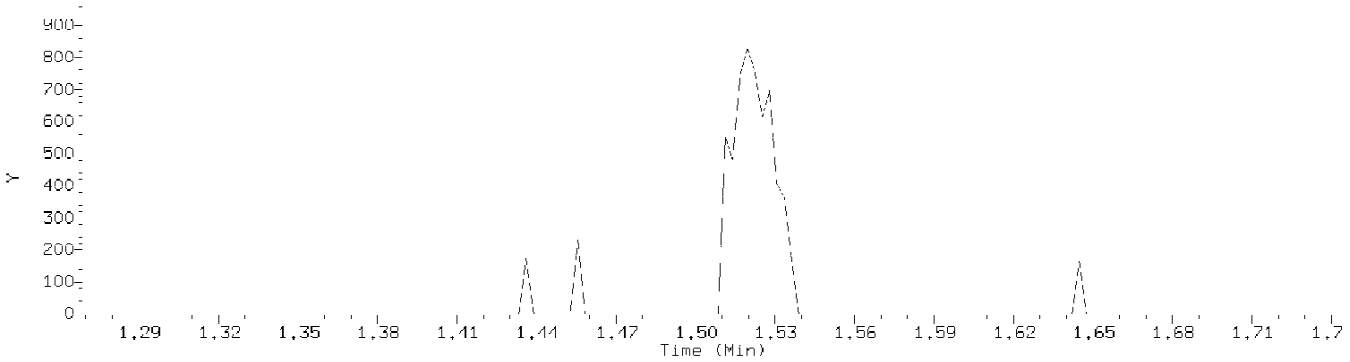
Manually Integrated Ion: 66 Area: 239 Height: 364 (02-May-2014 15:45 dengelhardt)



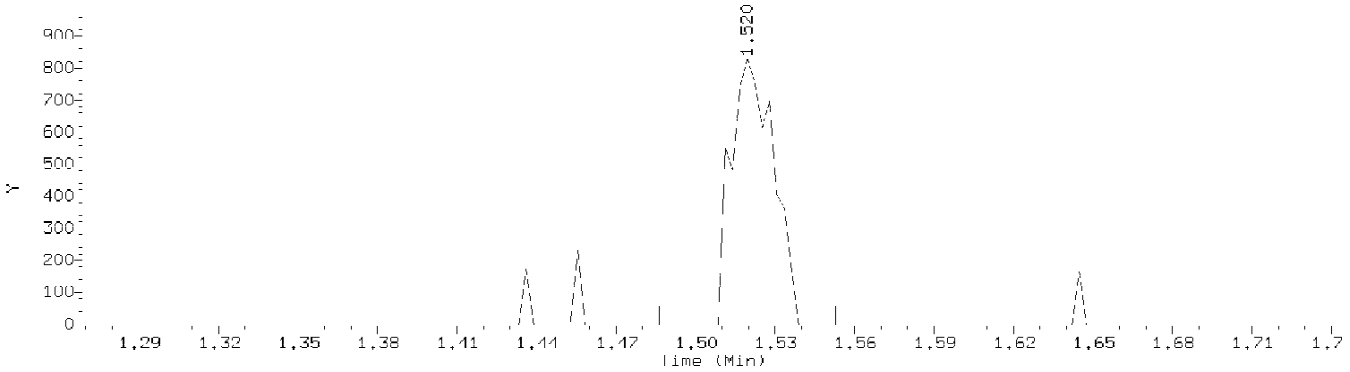
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Compound: Diethyl ether
CAS Number: 60-29-7

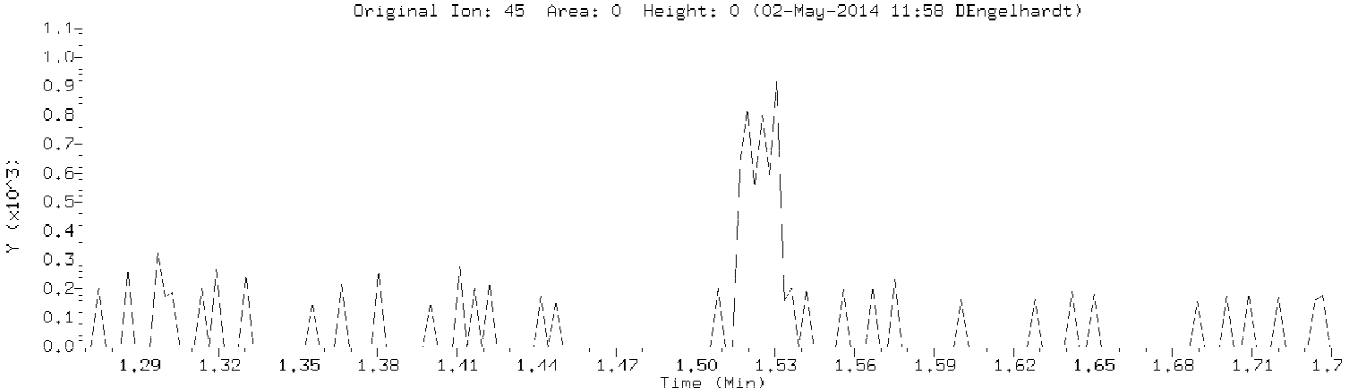
Original Ion: 74 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)



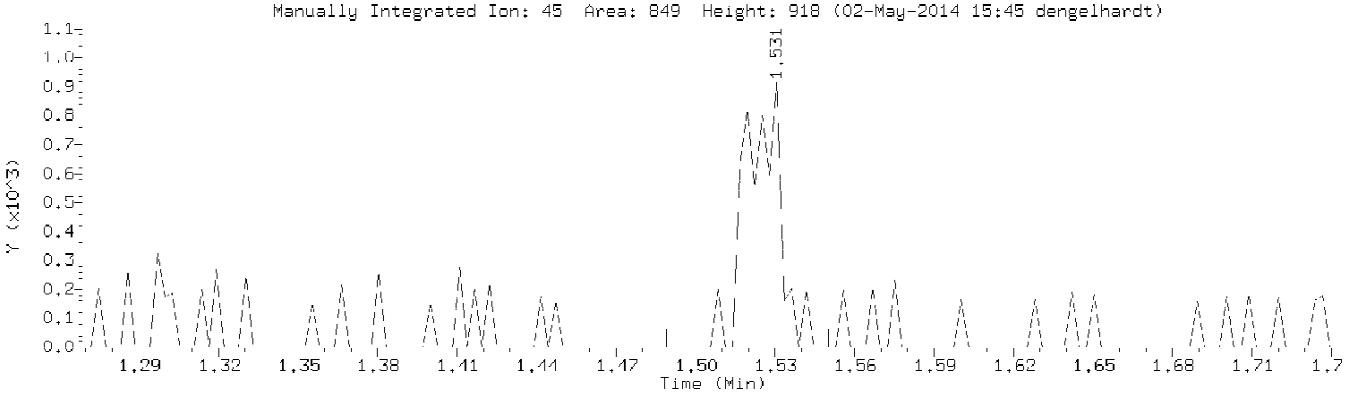
Manually Integrated Ion: 74 Area: 937 Height: 829 (02-May-2014 15:45 dengelhardt)



Original Ion: 45 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)

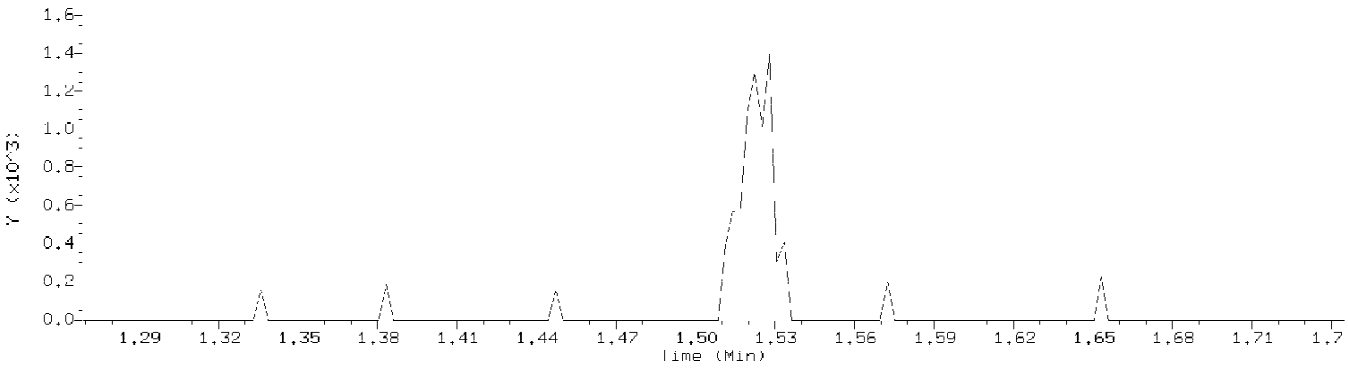


Manually Integrated Ion: 45 Area: 849 Height: 918 (02-May-2014 15:45 dengelhardt)

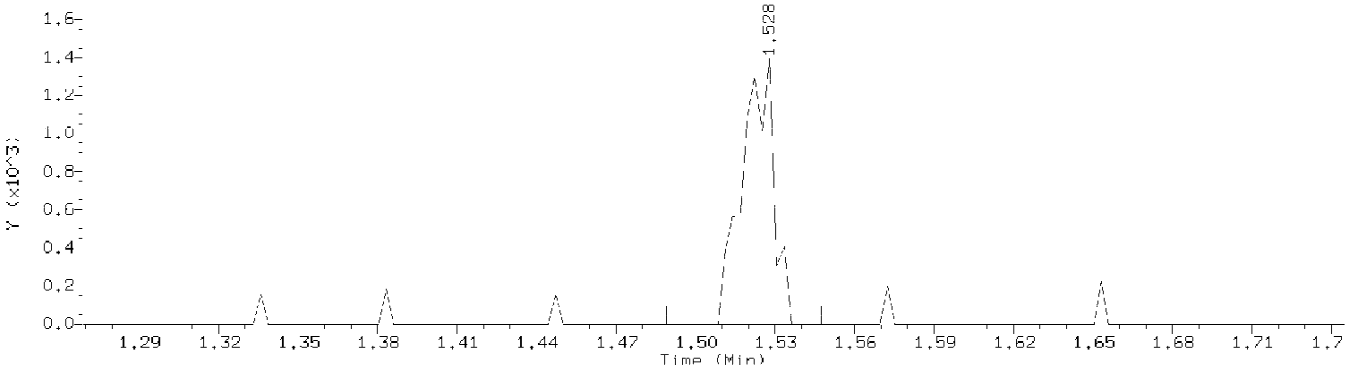


Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Original Ion: 59 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)



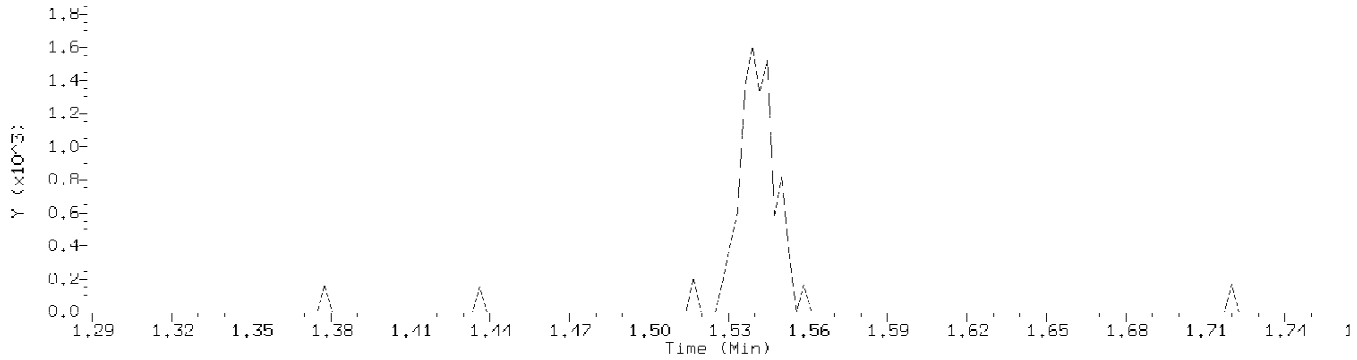
Manually Integrated Ion: 59 Area: 1173 Height: 1395 (02-May-2014 15:45 dengelhardt)



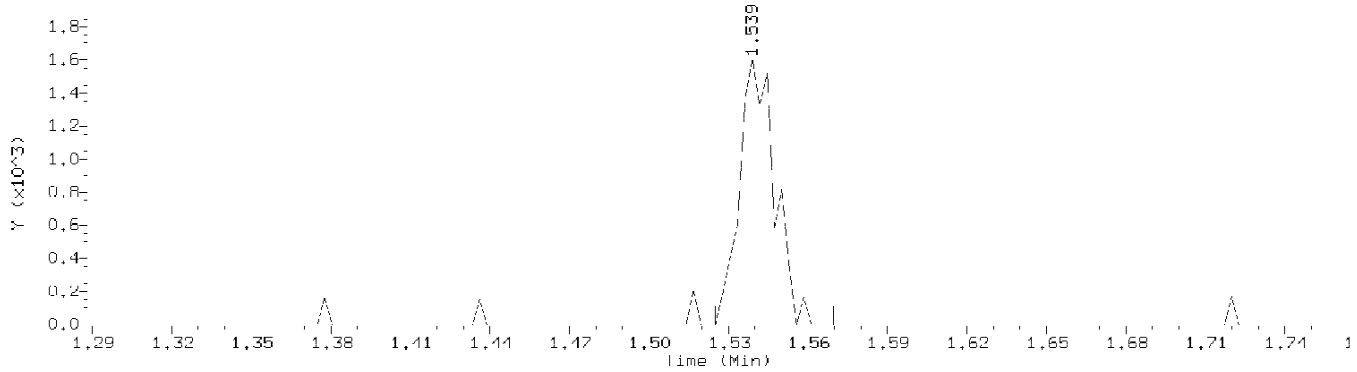
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Compound: 1,2-dichlorotrifluoroethane
CAS Number: 354-23-4

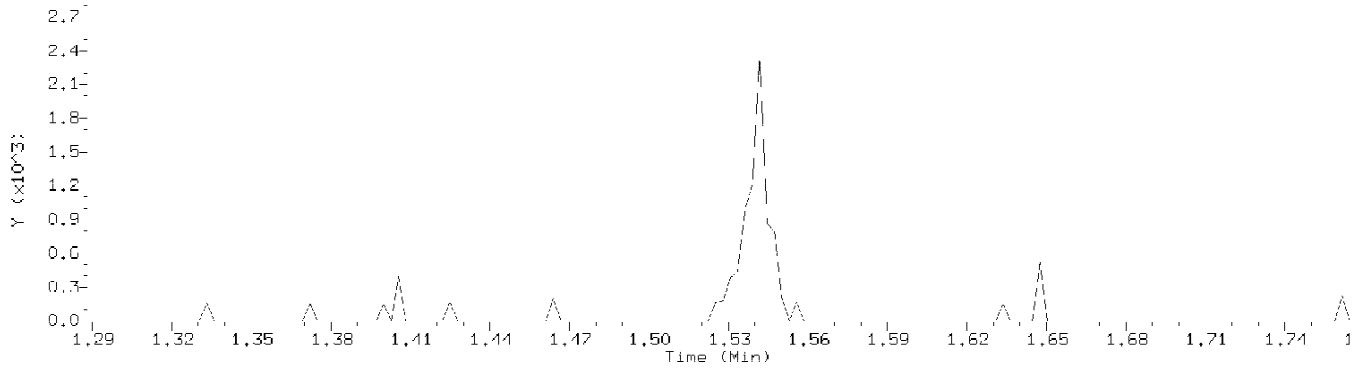
Original Ion: 67 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)



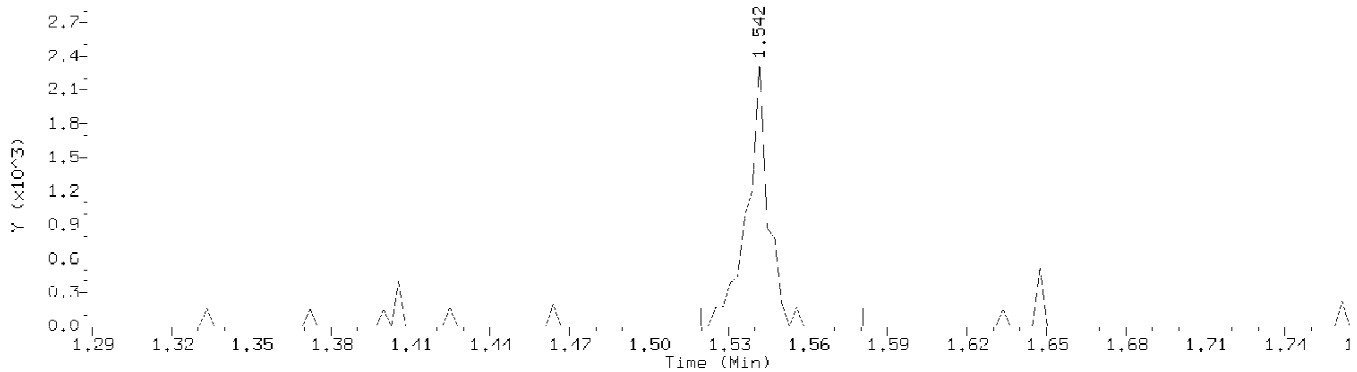
Manually Integrated Ion: 67 Area: 1491 Height: 1607 (02-May-2014 15:45 dengelhardt)



Original Ion: 117 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)

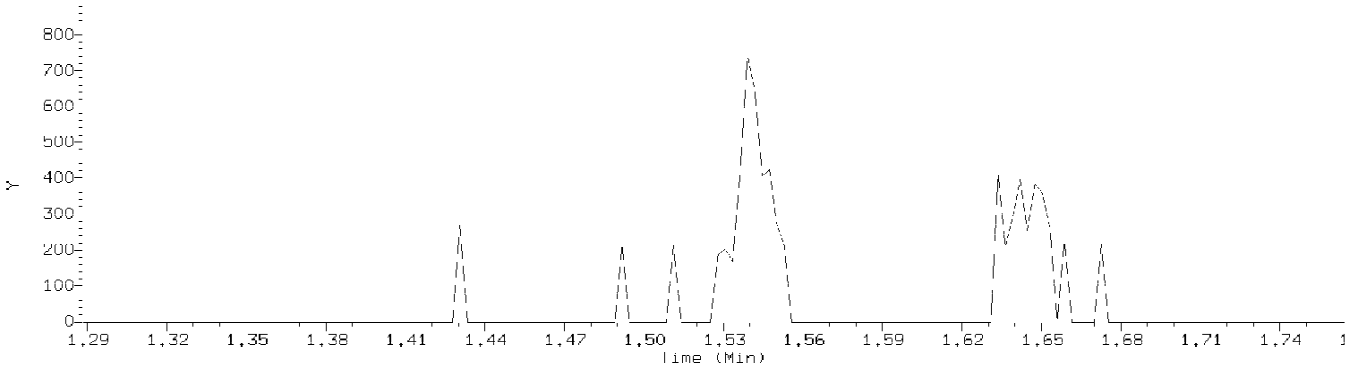


Manually Integrated Ion: 117 Area: 1298 Height: 2361 (02-May-2014 15:45 dengelhardt)

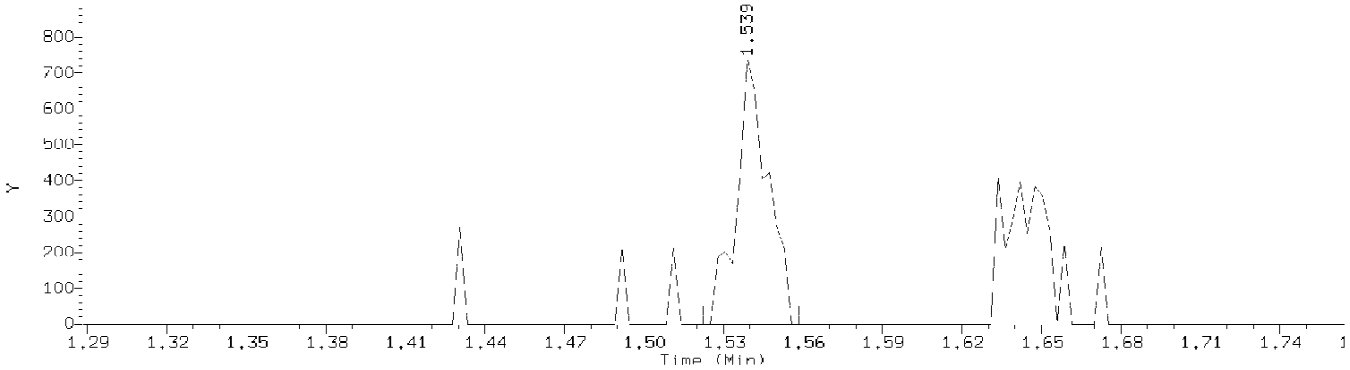


Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Original Ion: 85 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)



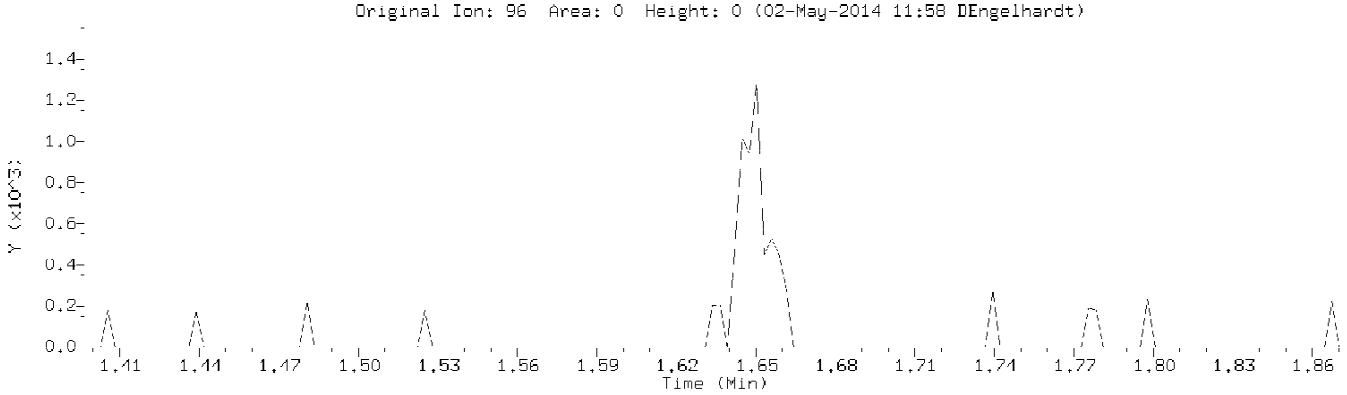
Manually Integrated Ion: 85 Area: 614 Height: 741 (02-May-2014 15:45 dengelhardt)



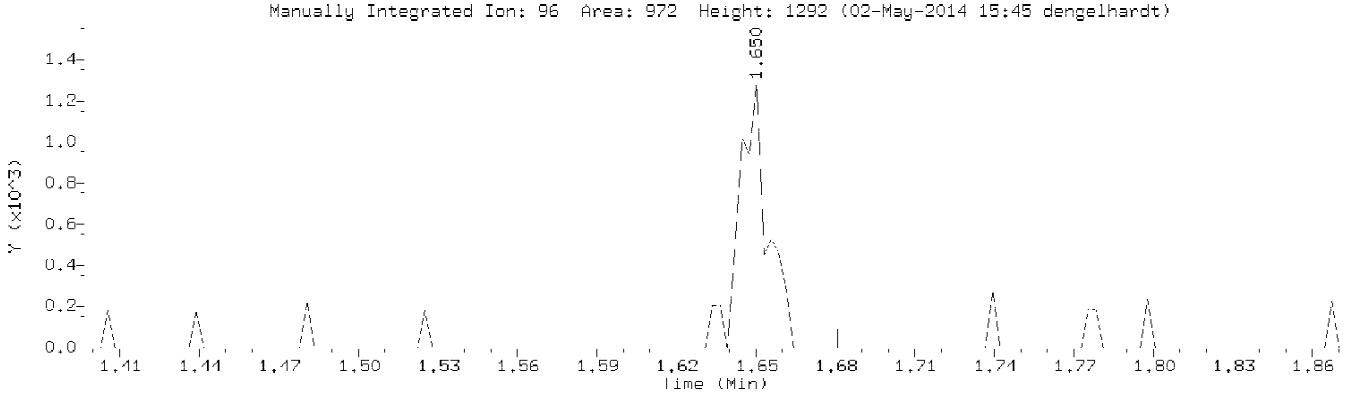
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Compound: 1,1-Dichloroethene
CAS Number: 75-35-4

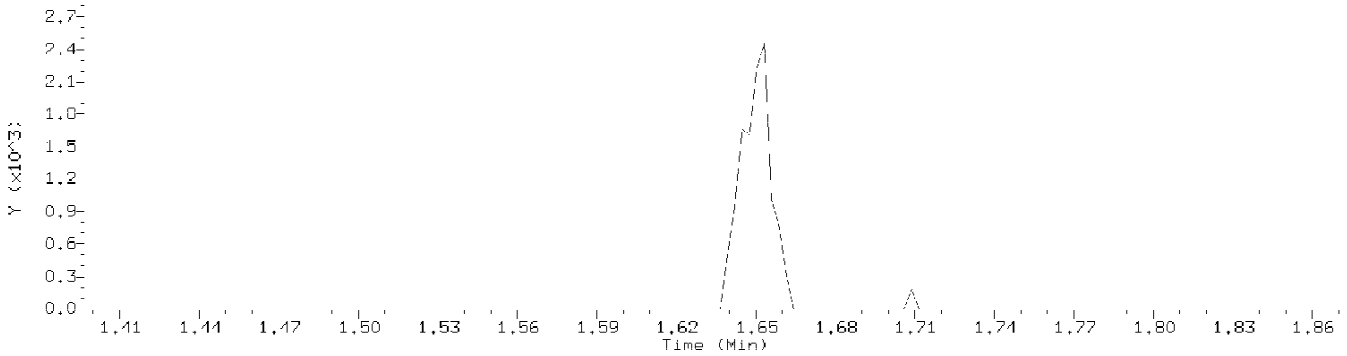
Original Ion: 96 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)



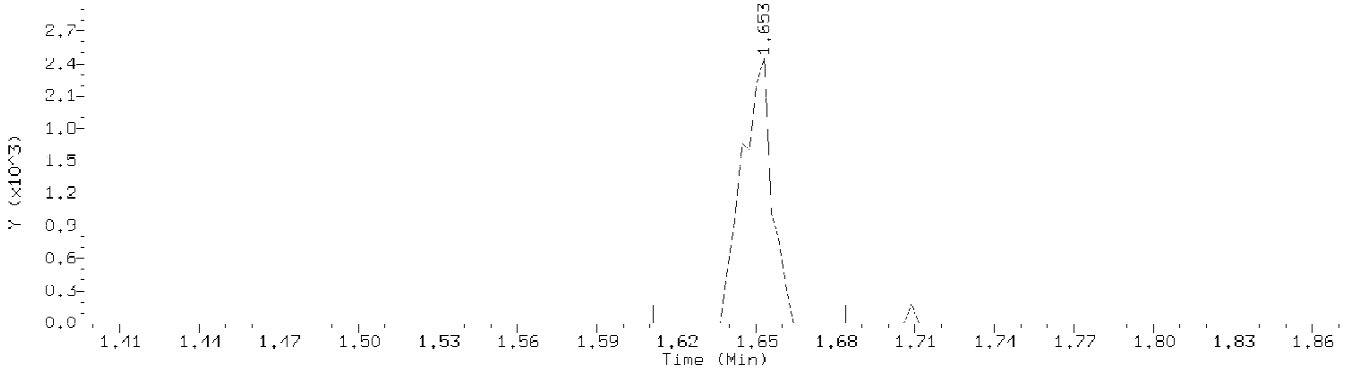
Manually Integrated Ion: 96 Area: 972 Height: 1292 (02-May-2014 15:45 dengelhardt)



Original Ion: 61 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)

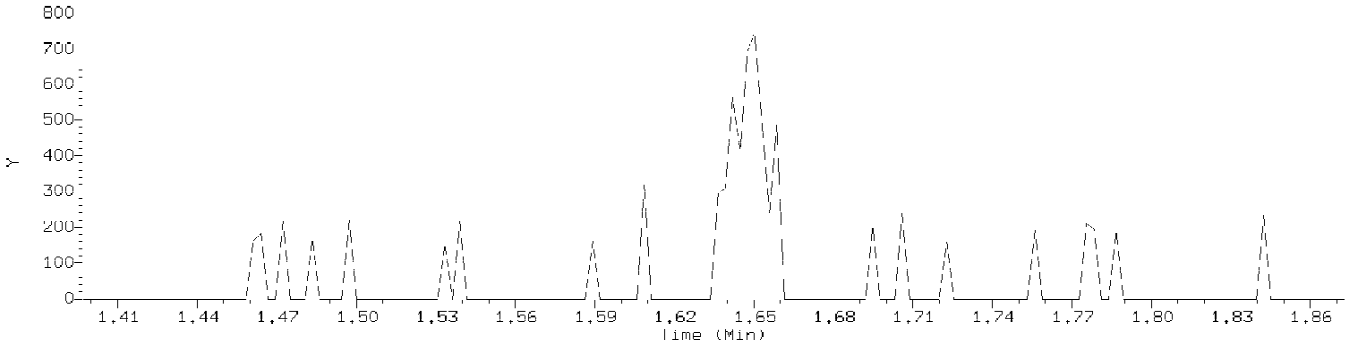


Manually Integrated Ion: 61 Area: 1916 Height: 2457 (02-May-2014 15:45 dengelhardt)

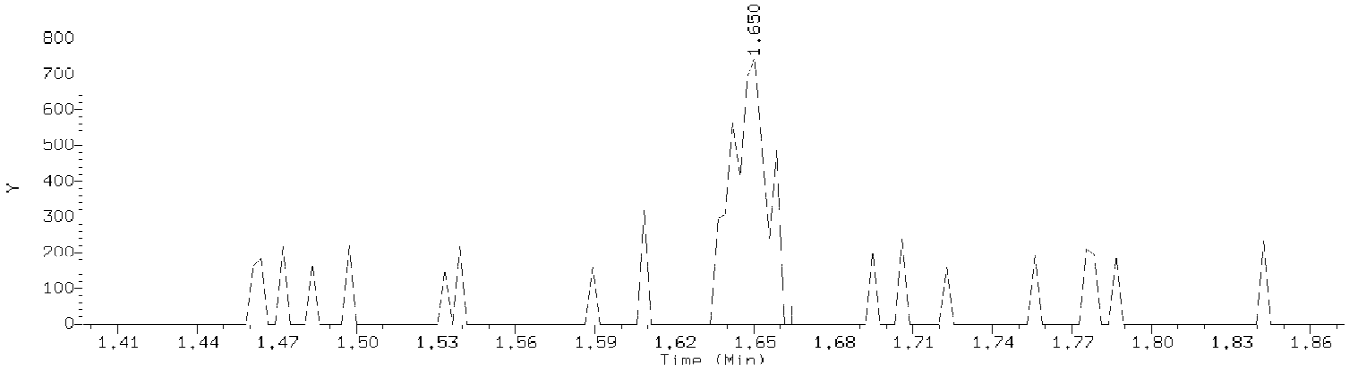


Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Original Ion: 63 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)



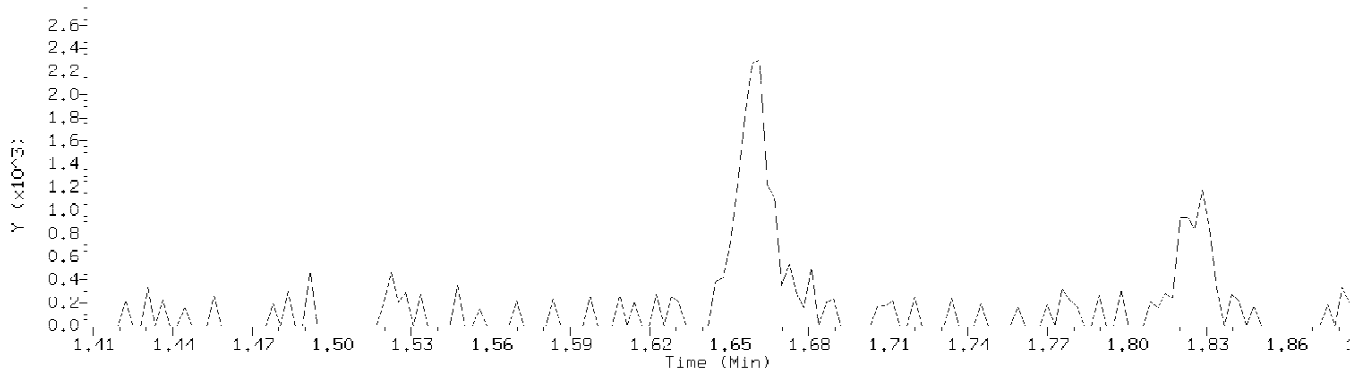
Manually Integrated Ion: 63 Area: 704 Height: 744 (02-May-2014 15:45 dengelhardt)



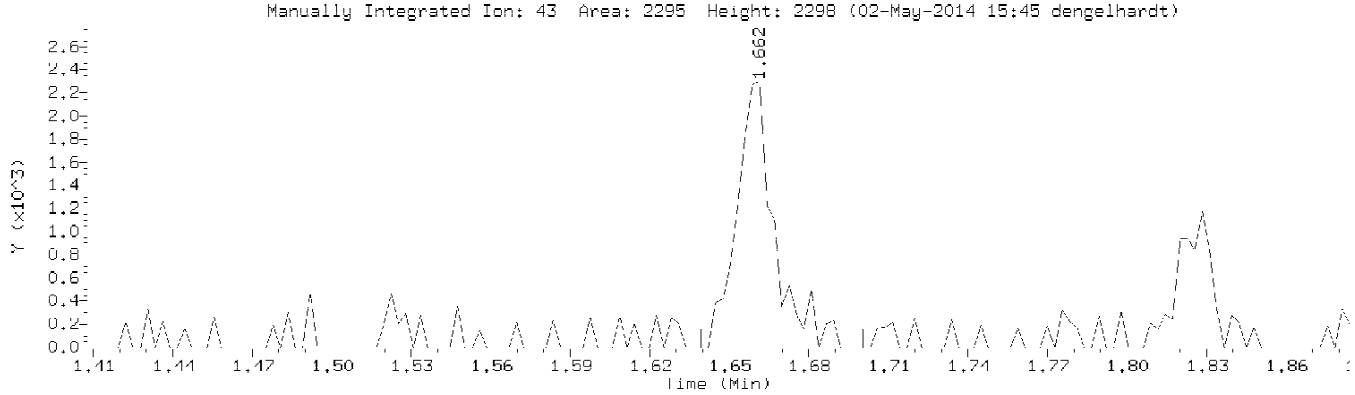
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Compound: Acetone
CAS Number: 67-64-1

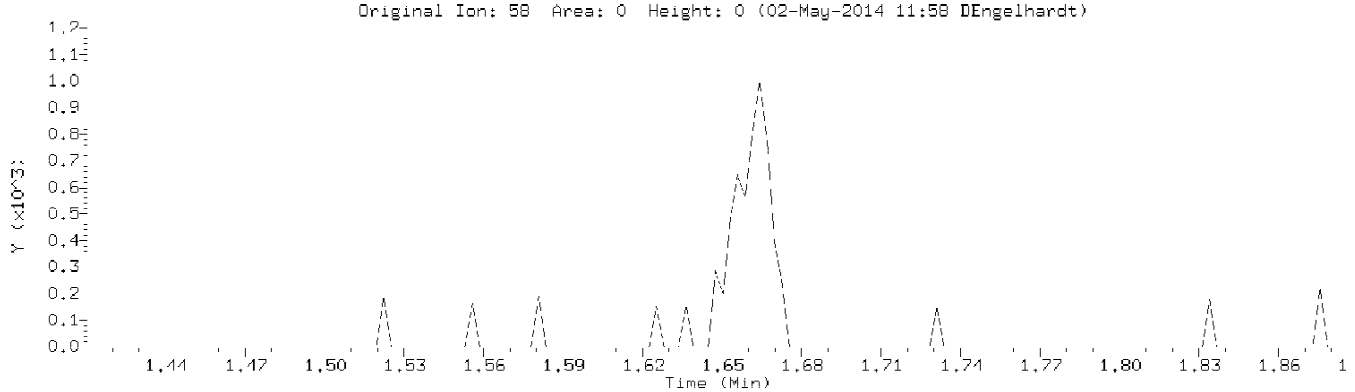
Original Ion: 43 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)



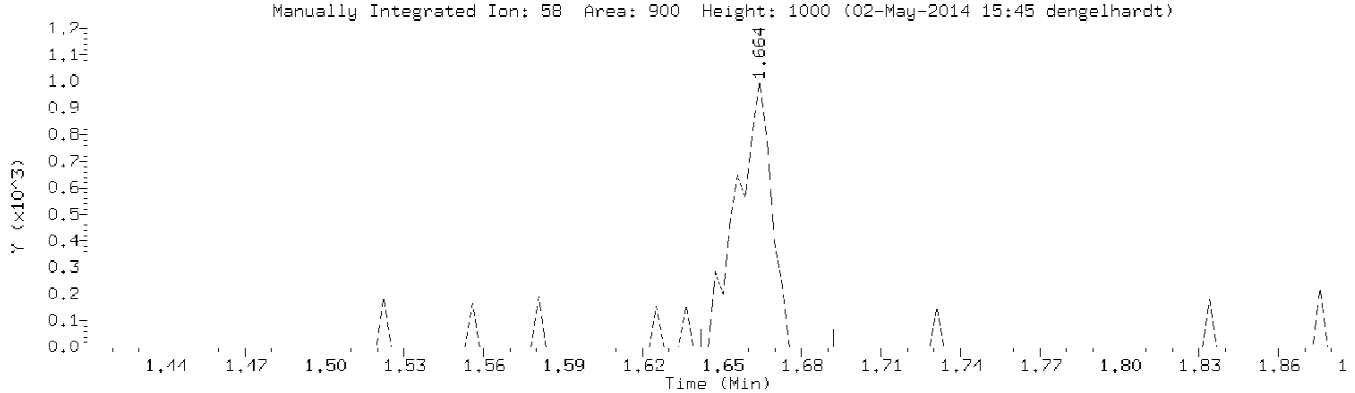
Manually Integrated Ion: 43 Area: 2295 Height: 2298 (02-May-2014 15:45 dengelhardt)



Original Ion: 58 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)



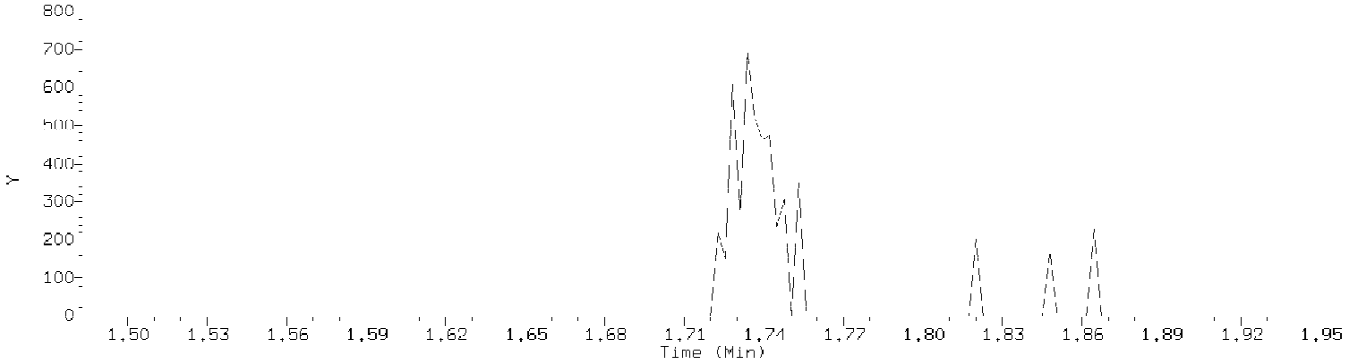
Manually Integrated Ion: 58 Area: 900 Height: 1000 (02-May-2014 15:45 dengelhardt)



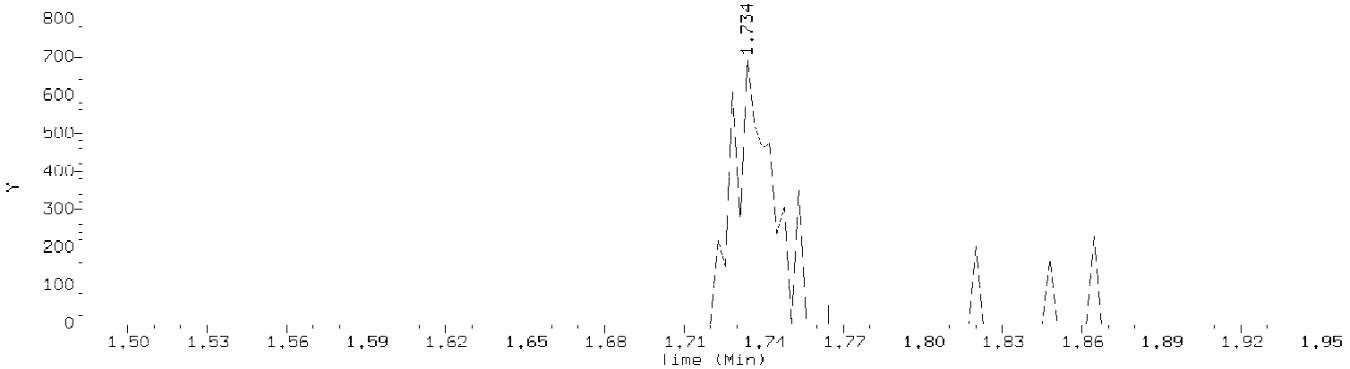
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Compound: Iodomethane
CAS Number:

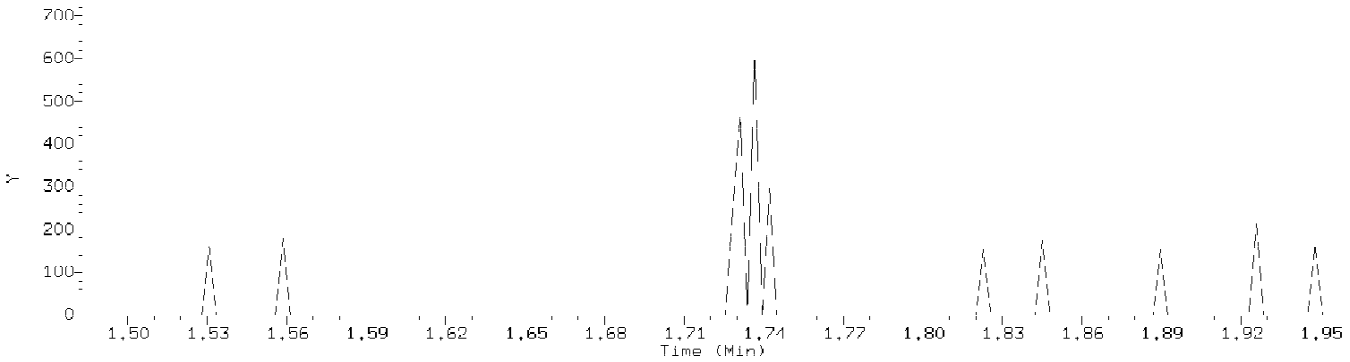
Original Ion: 142 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)



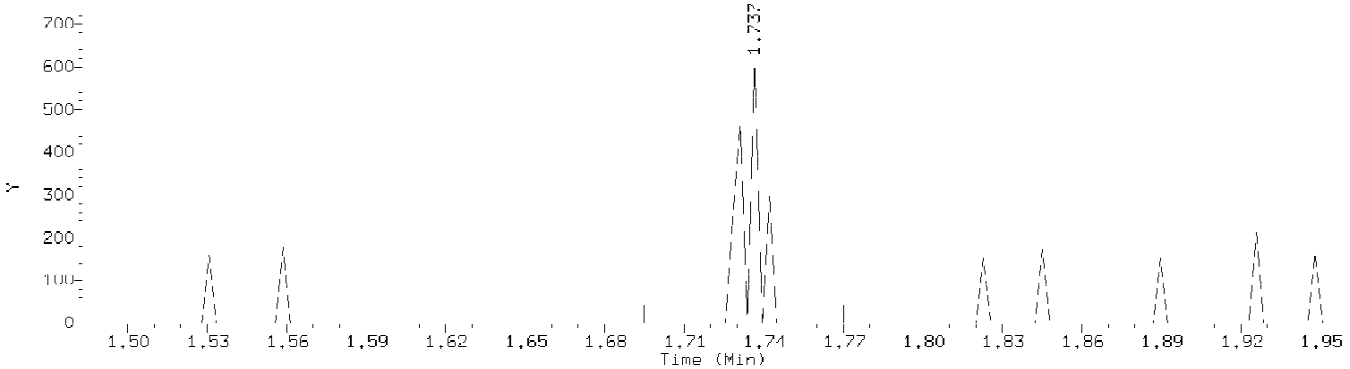
Manually Integrated Ion: 142 Area: 716 Height: 698 (02-May-2014 15:45 dengelhardt)



Original Ion: 127 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)

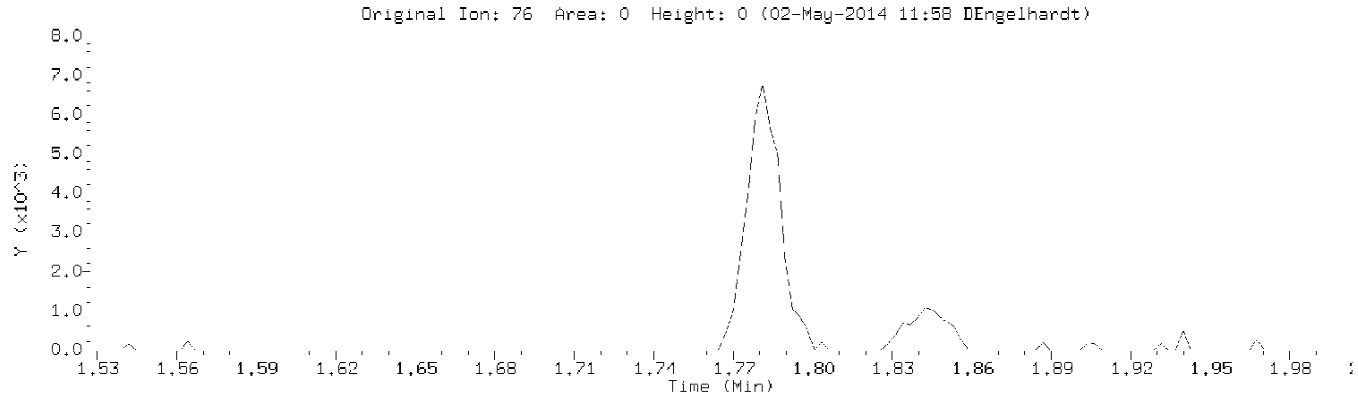


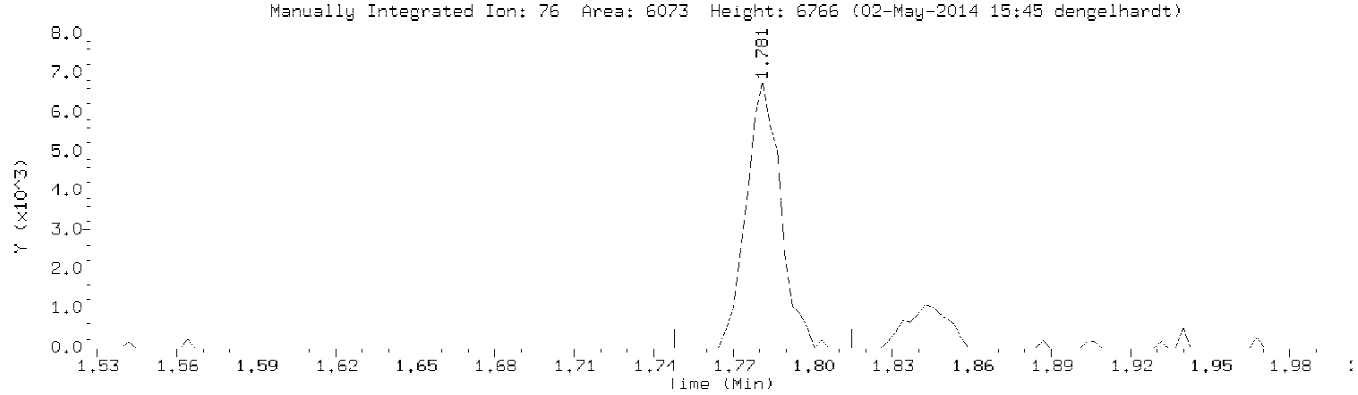
Manually Integrated Ion: 127 Area: 272 Height: 622 (02-May-2014 15:45 dengelhardt)

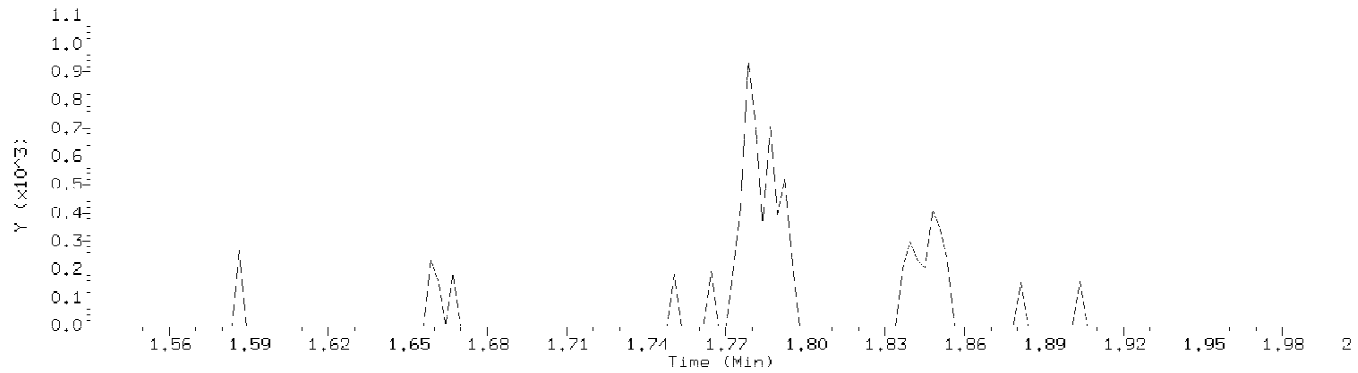


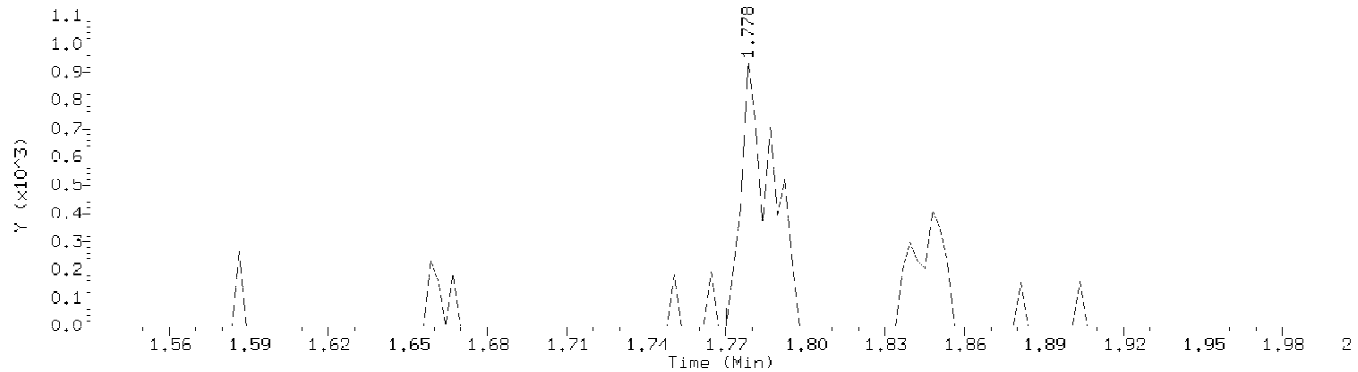
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Compound: Carbon Disulfide
CAS Number: 75-15-0





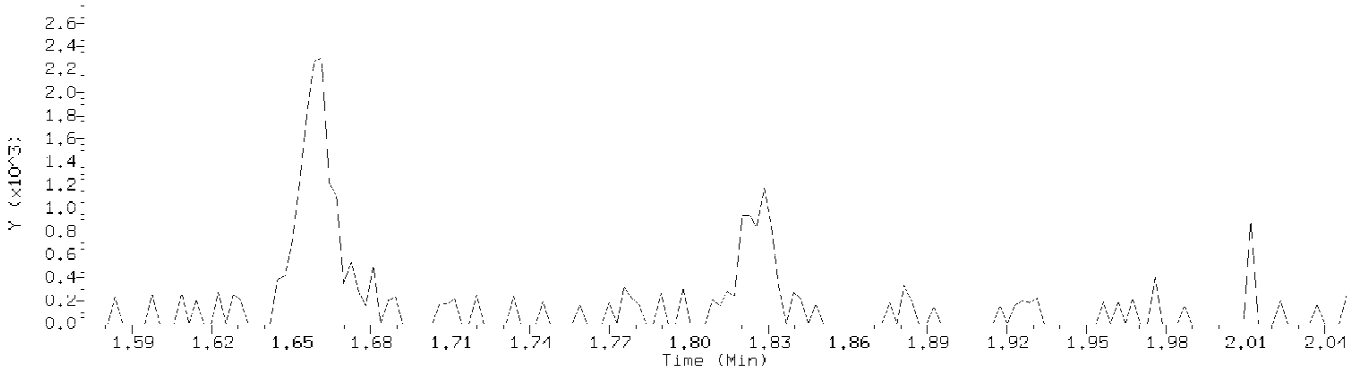




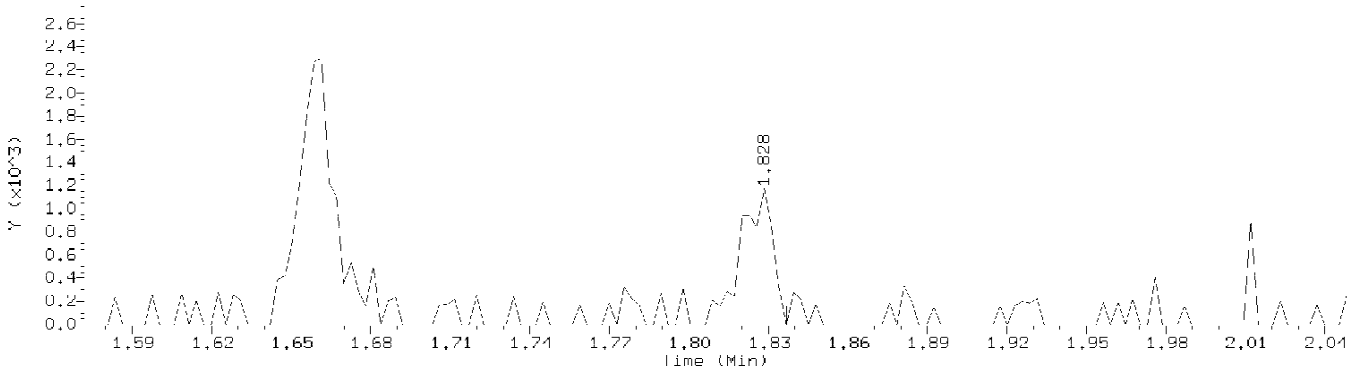
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Compound: Methyl Acetate
CAS Number: 79-20-9

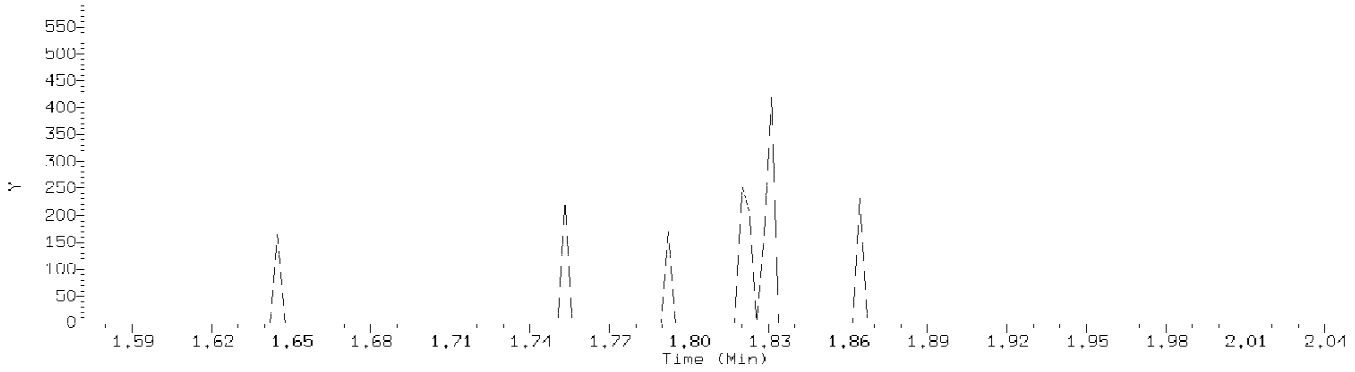
Original Ion: 43 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)



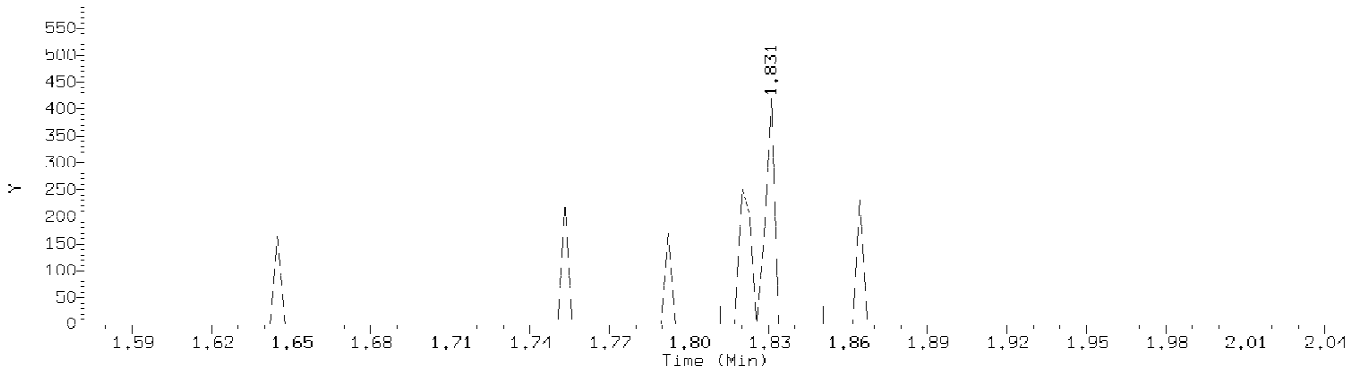
Manually Integrated Ion: 43 Area: 995 Height: 1176 (02-May-2014 15:45 dengelhardt)



Original Ion: 74 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)



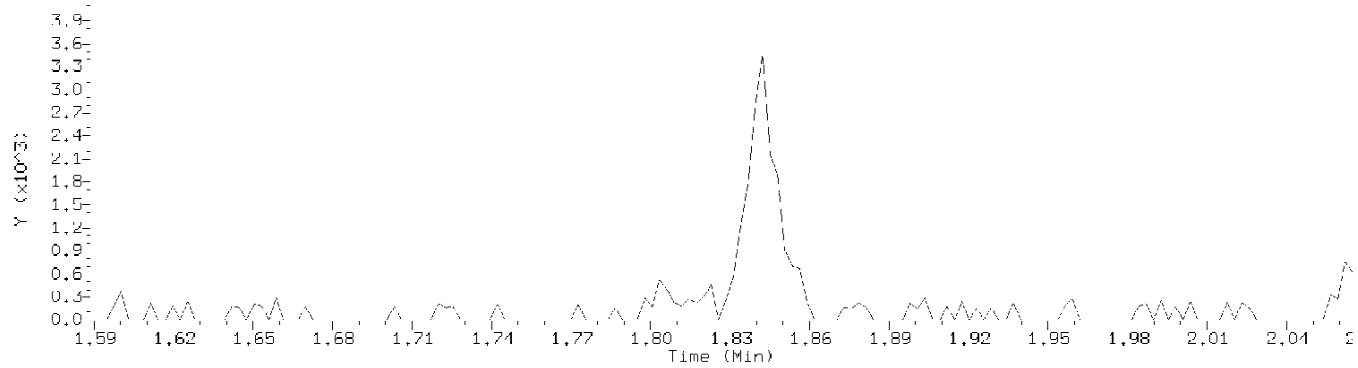
Manually Integrated Ion: 74 Area: 174 Height: 420 (02-May-2014 15:45 dengelhardt)



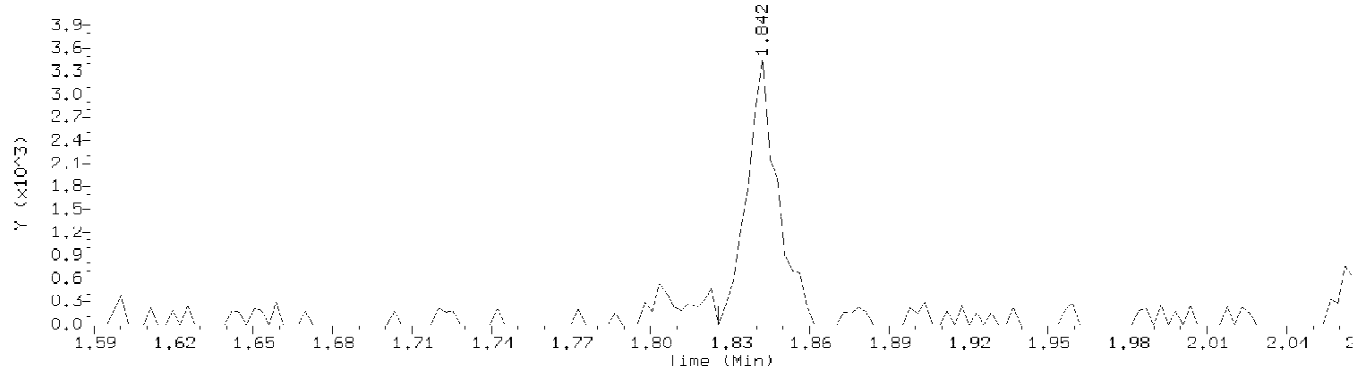
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Compound: allyl chloride
CAS Number: 107-05-1

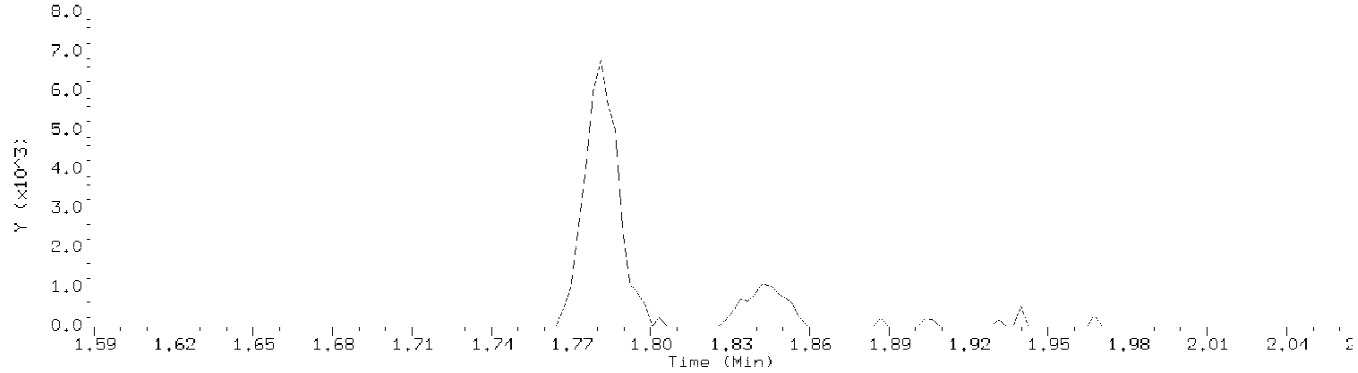
Original Ion: 41 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)



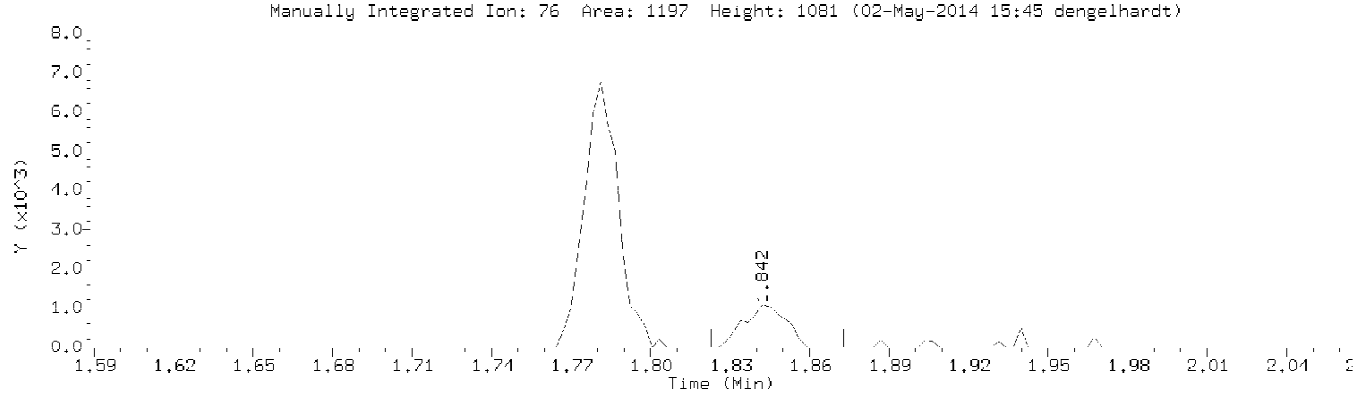
Manually Integrated Ion: 41 Area: 2785 Height: 3464 (02-May-2014 15:45 dengelhardt)



Original Ion: 76 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)



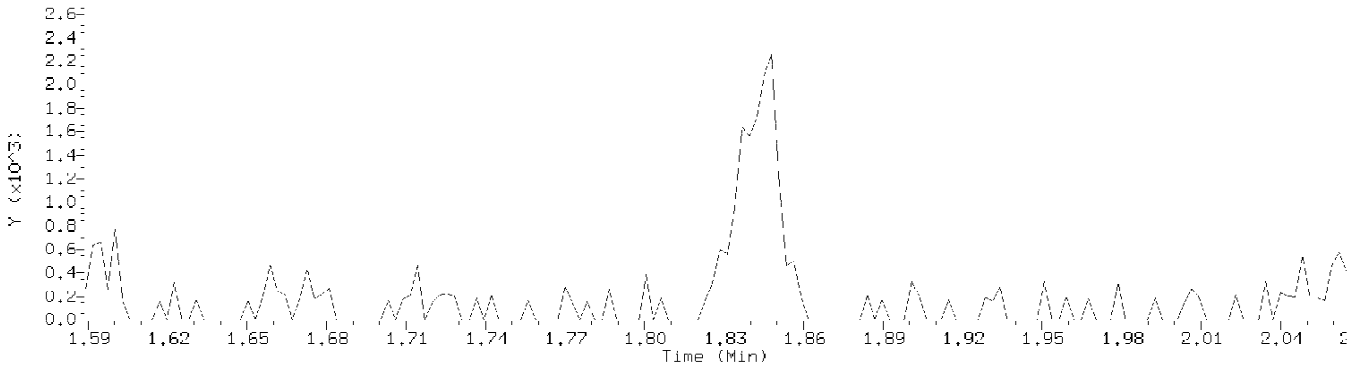
Manually Integrated Ion: 76 Area: 1197 Height: 1081 (02-May-2014 15:45 dengelhardt)



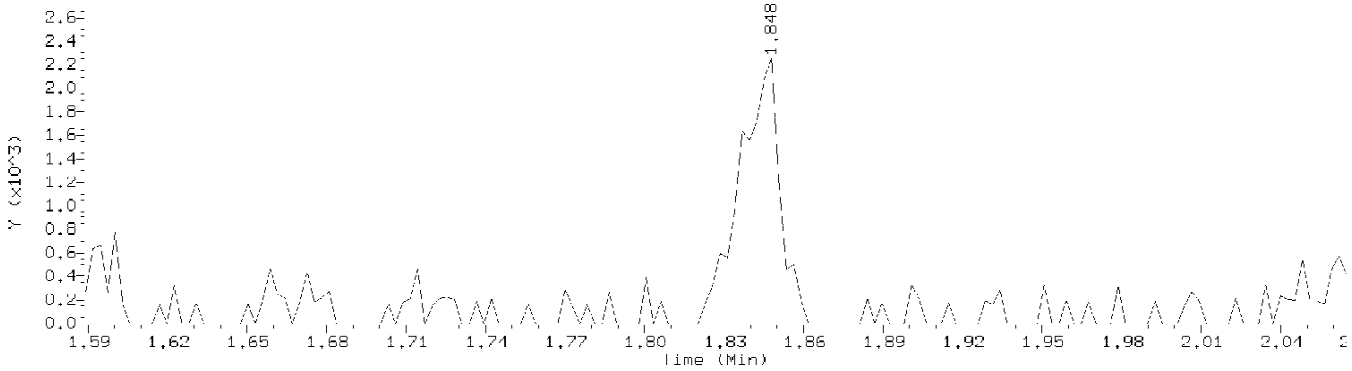
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Compound: Acetonitrile
CAS Number: 75-05-8

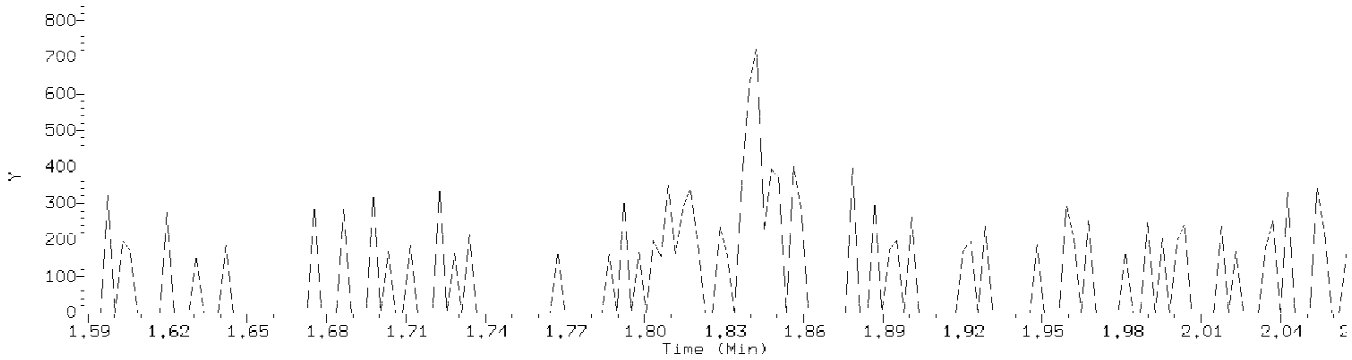
Original Ion: 39 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)



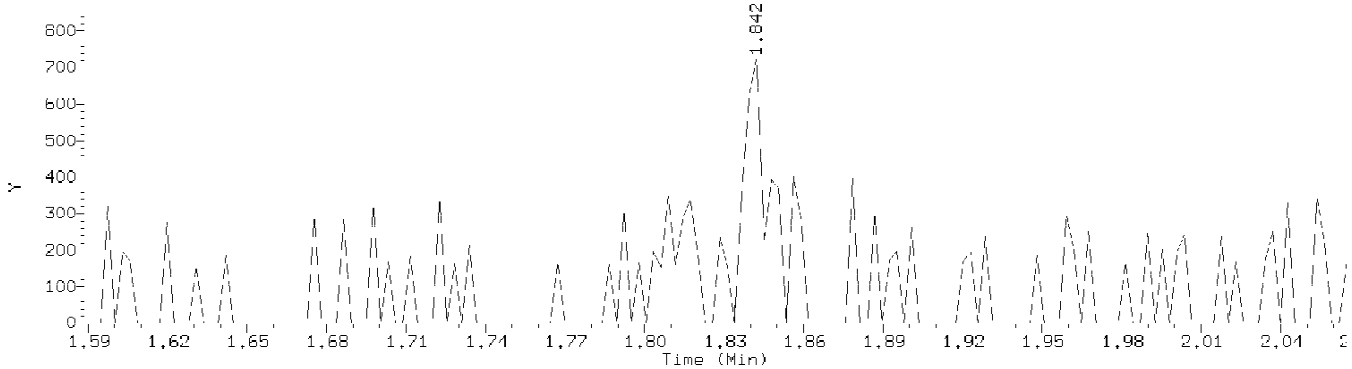
Manually Integrated Ion: 39 Area: 2373 Height: 2260 (02-May-2014 15:45 dengelhardt)



Original Ion: 40 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)

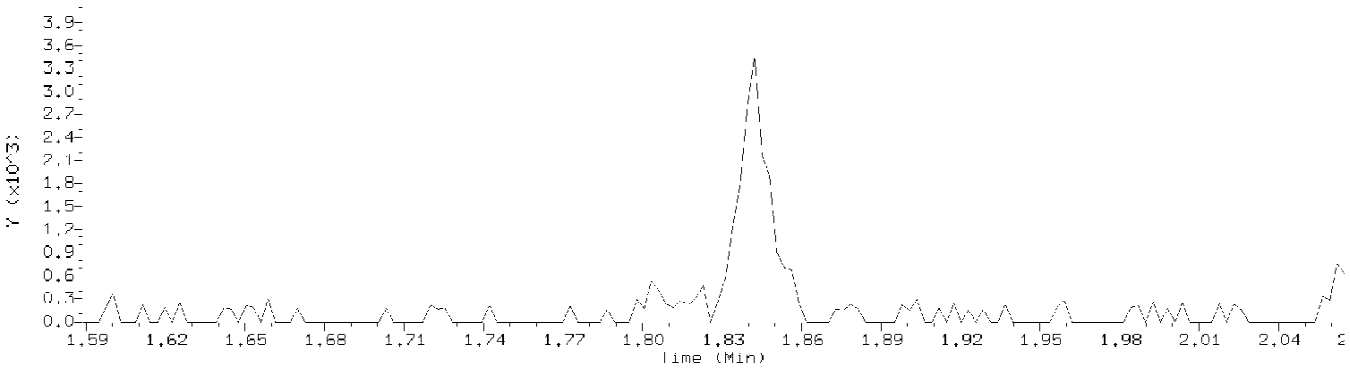


Manually Integrated Ion: 40 Area: 454 Height: 728 (02-May-2014 15:45 dengelhardt)

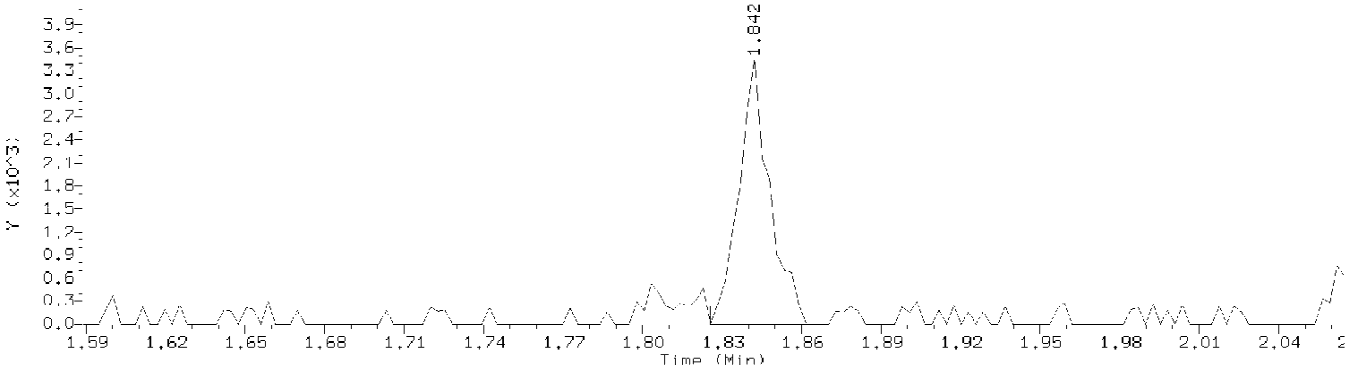


Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Original Ion: 41 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)



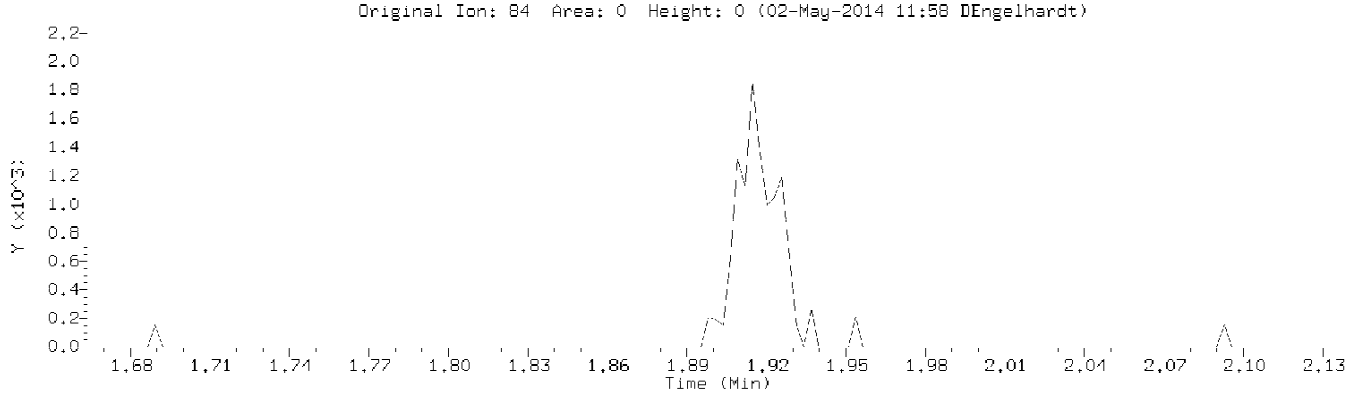
Manually Integrated Ion: 41 Area: 2785 Height: 3464 (02-May-2014 15:45 dengelhardt)



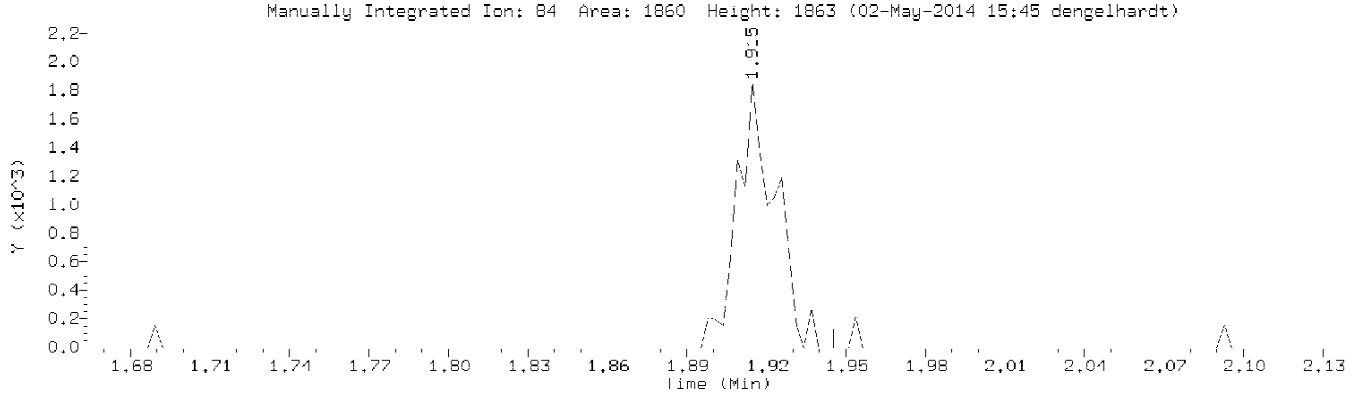
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Compound: Methylene Chloride
CAS Number: 75-09-2

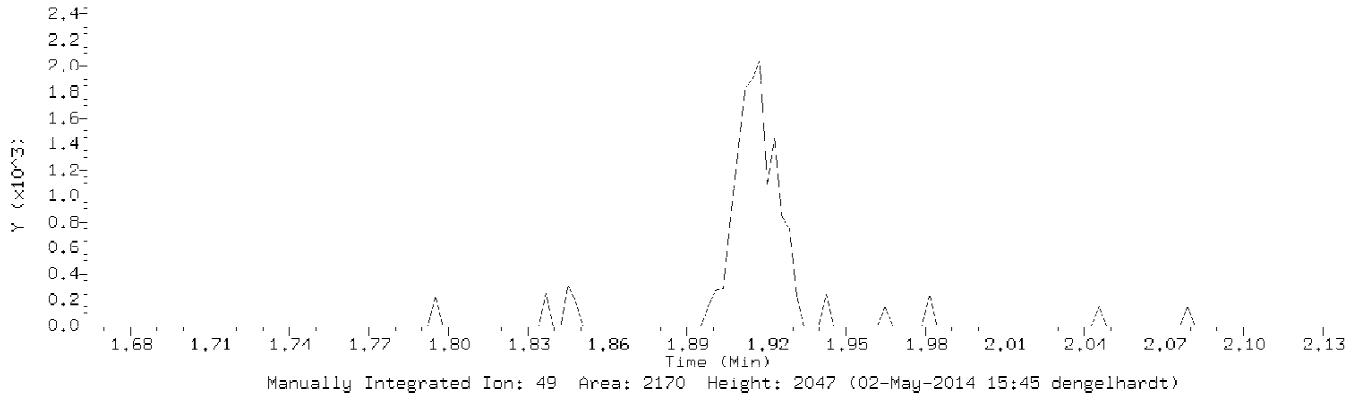
Original Ion: 84 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)



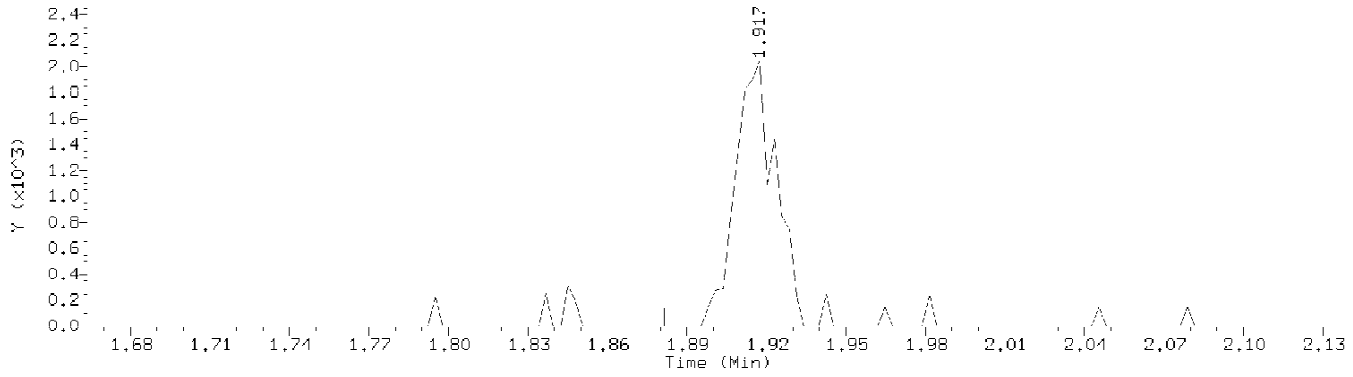
Manually Integrated Ion: 84 Area: 1860 Height: 1863 (02-May-2014 15:45 dengelhardt)



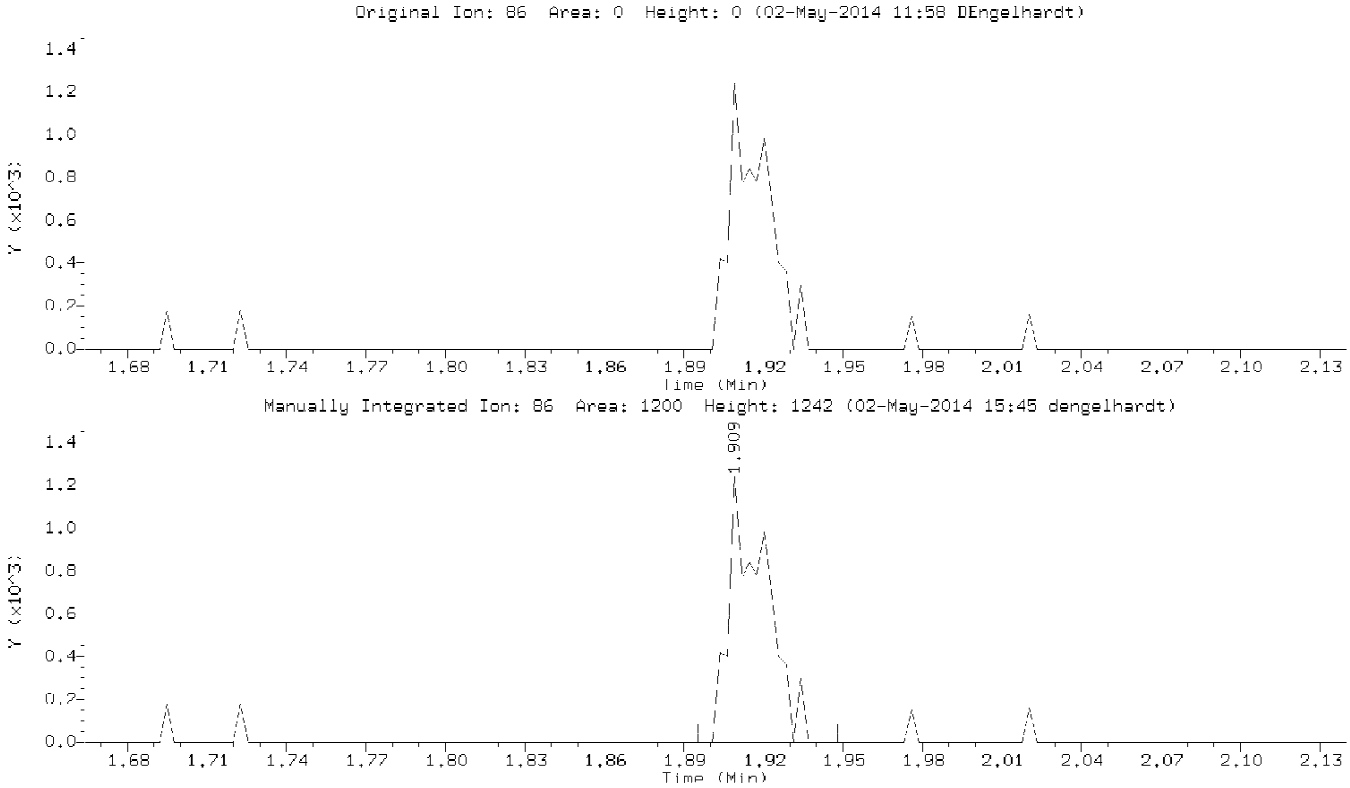
Original Ion: 49 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)



Manually Integrated Ion: 49 Area: 2170 Height: 2047 (02-May-2014 15:45 dengelhardt)



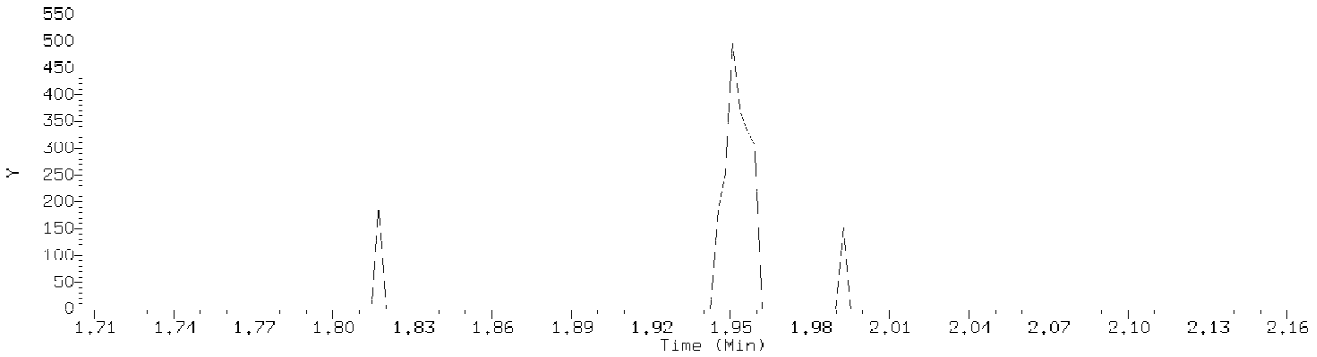
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0



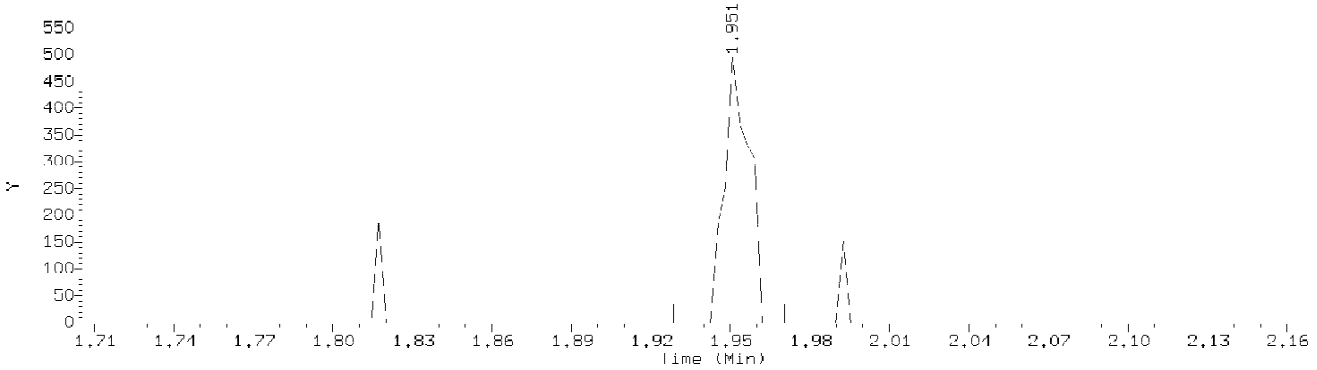
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Compound: tert-Butyl Alcohol
CAS Number: 75-65-0

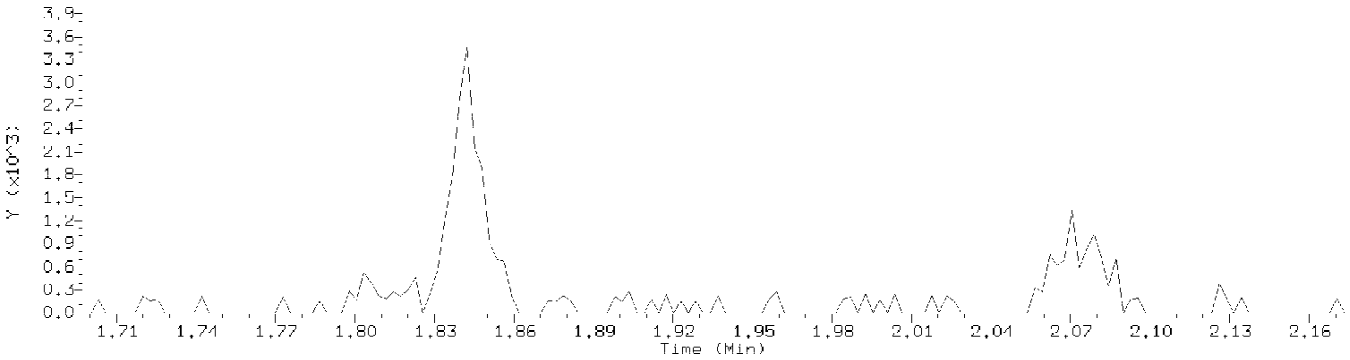
Original Ion: 59 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)



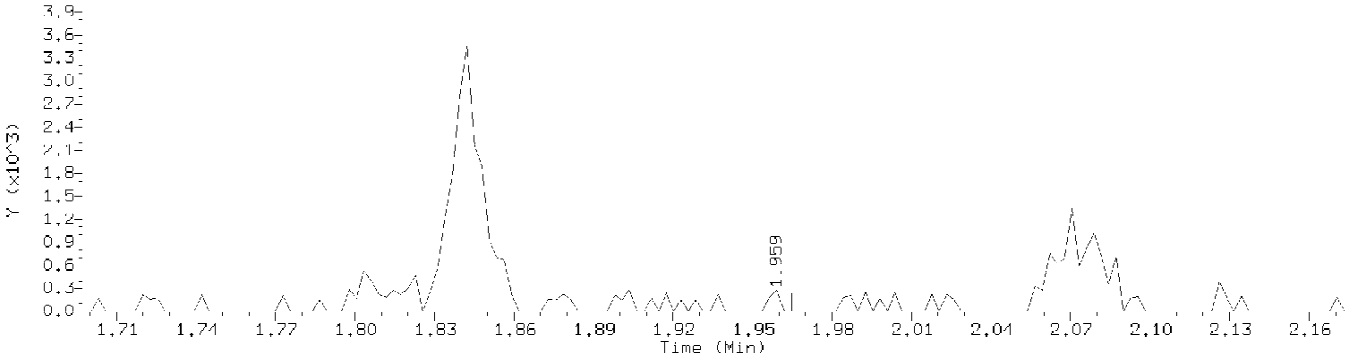
Manually Integrated Ion: 59 Area: 323 Height: 496 (02-May-2014 15:45 dengelhardt)



Original Ion: 41 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)



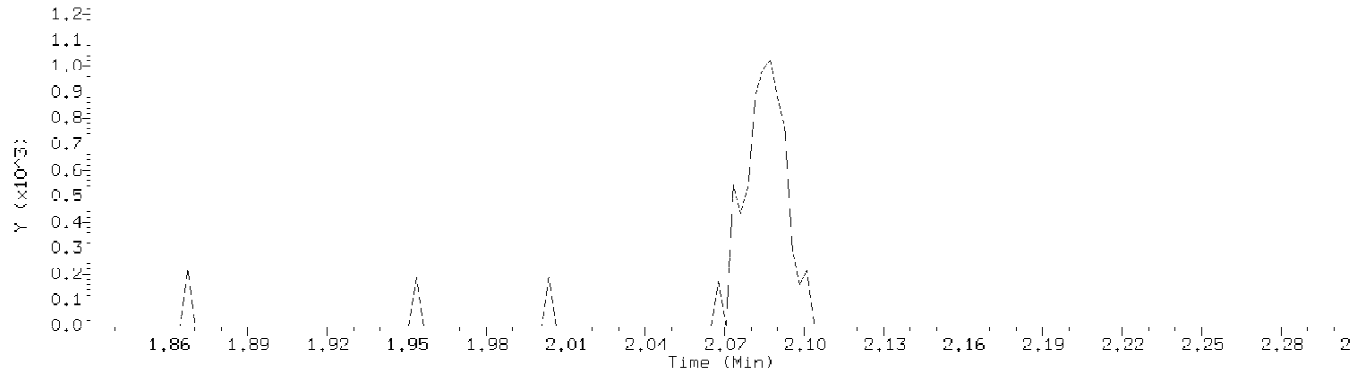
Manually Integrated Ion: 41 Area: 78 Height: 283 (02-May-2014 15:45 dengelhardt)



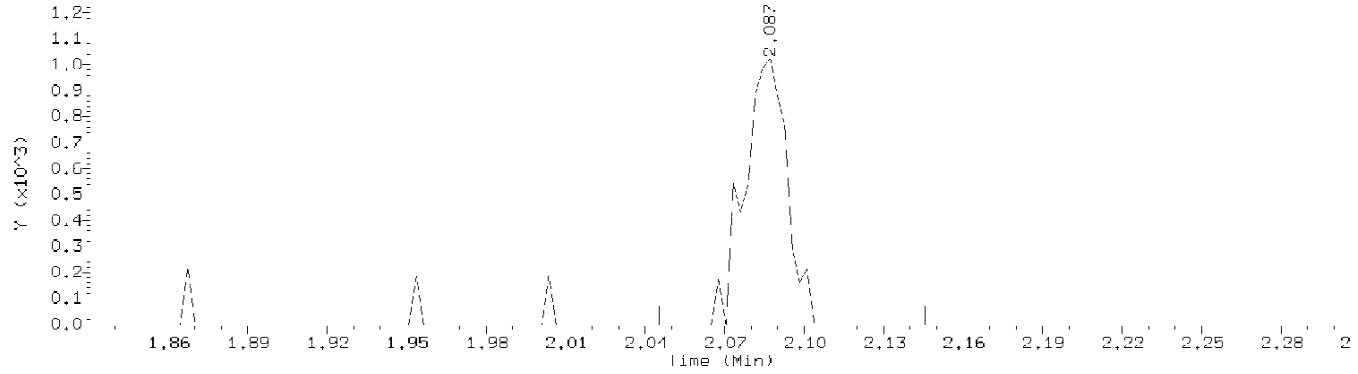
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Compound: 1,2-Dichloroethene (trans)
CAS Number: 156-60-5

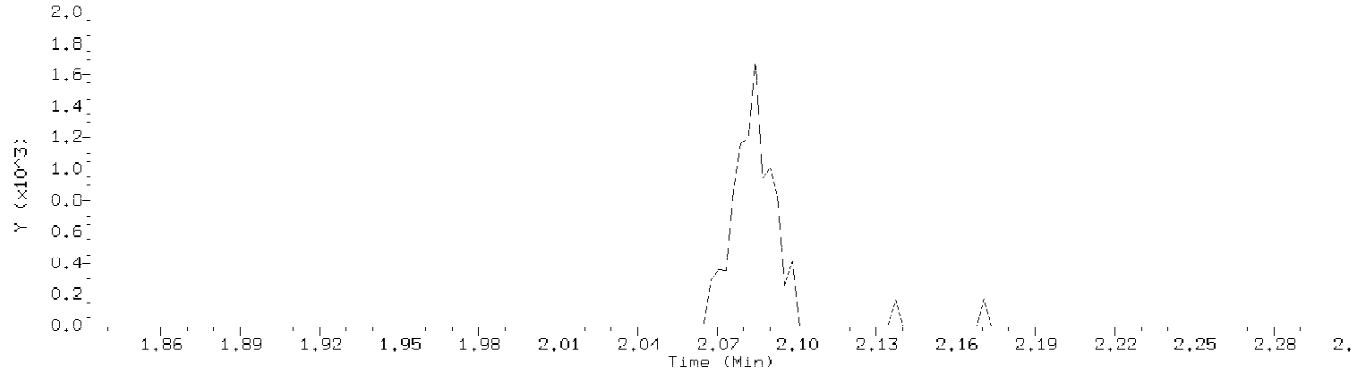
Original Ion: 96 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)



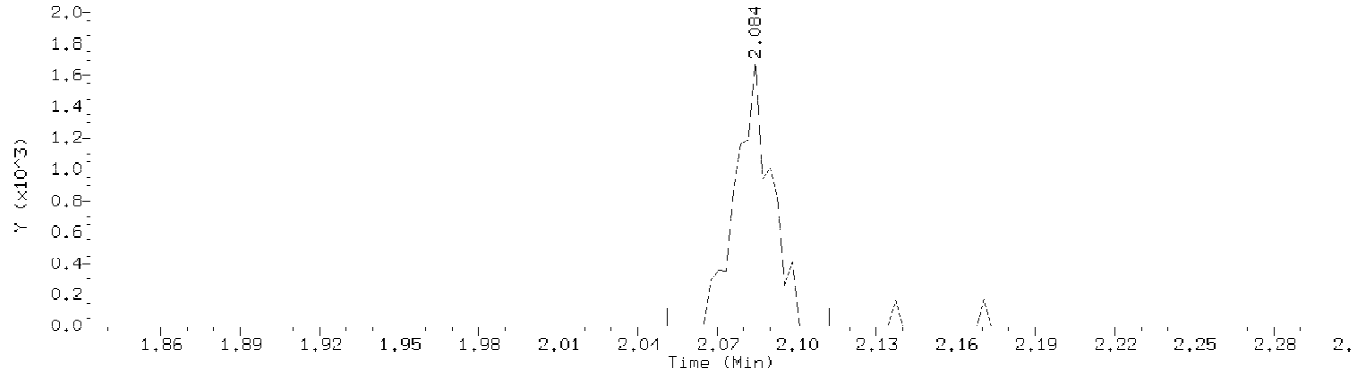
Manually Integrated Ion: 96 Area: 1152 Height: 1023 (02-May-2014 15:45 dengelhardt)



Original Ion: 61 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)

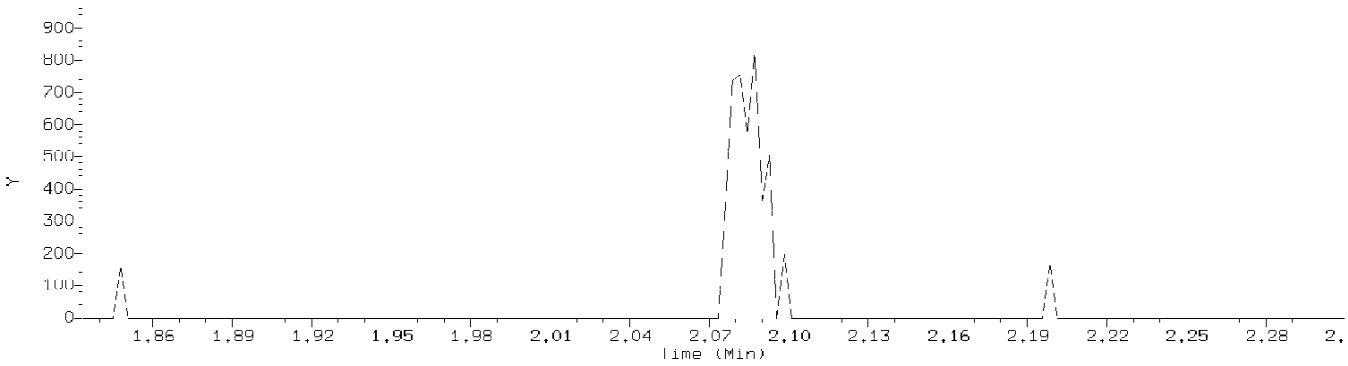


Manually Integrated Ion: 61 Area: 1561 Height: 1695 (02-May-2014 15:45 dengelhardt)

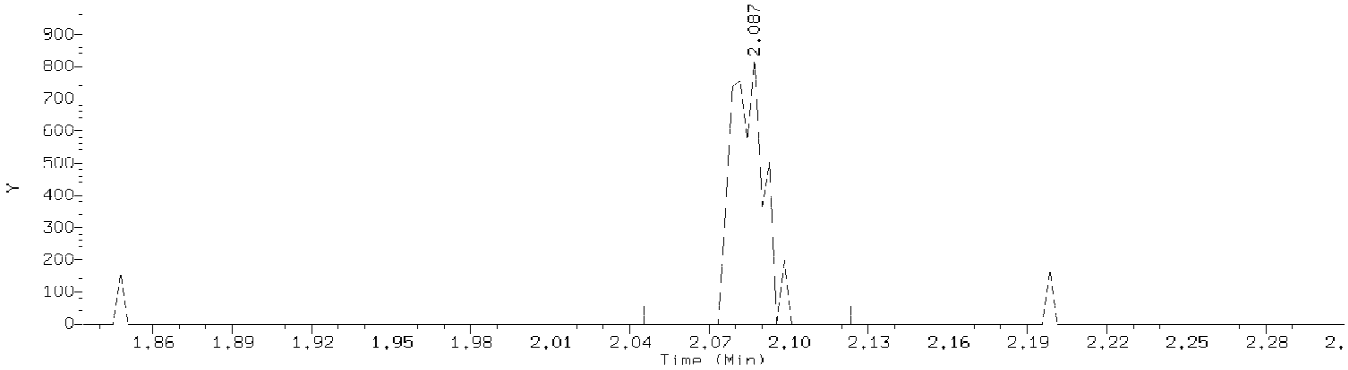


Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Original Ion: 98 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)

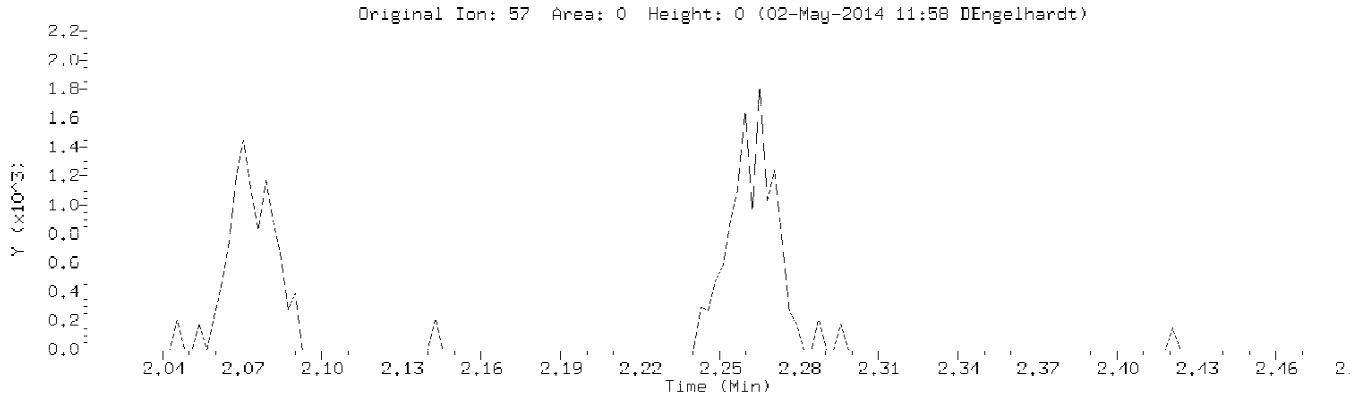


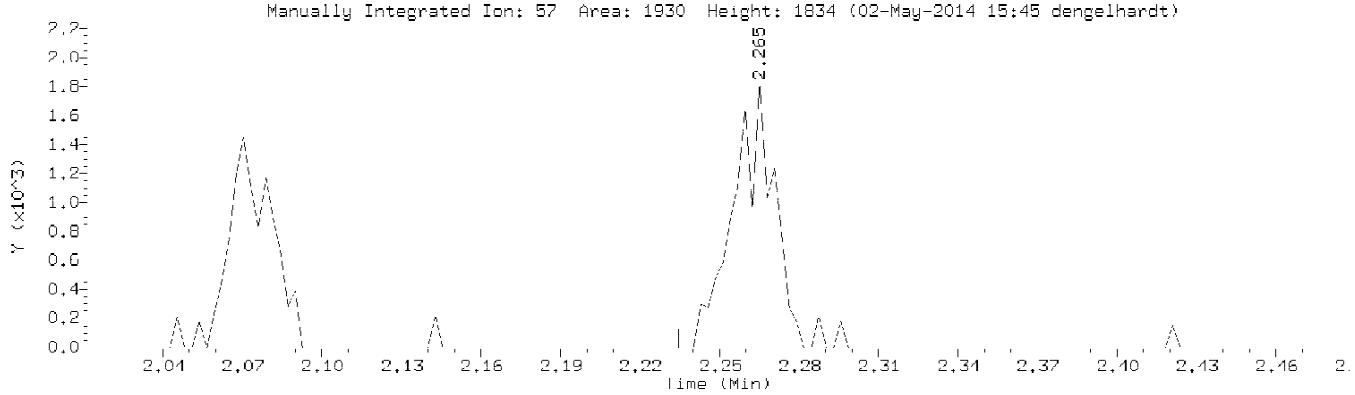
Manually Integrated Ion: 98 Area: 717 Height: 825 (02-May-2014 15:45 dengelhardt)

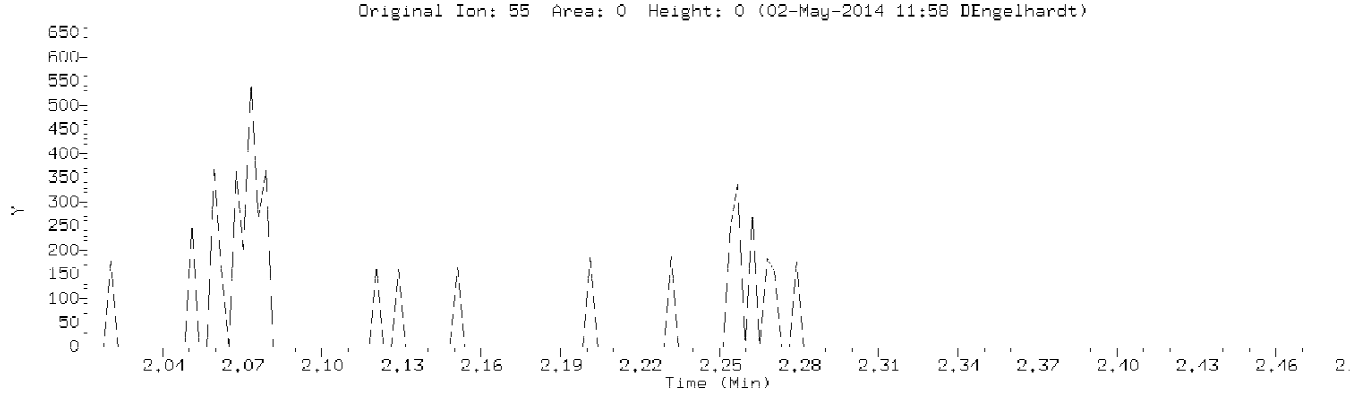


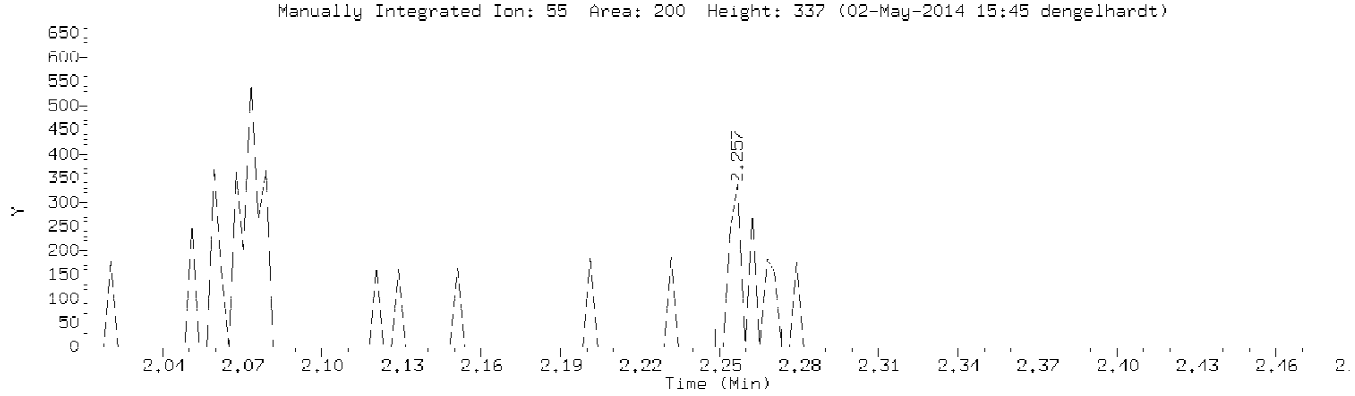
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Compound: n-Hexane
CAS Number:



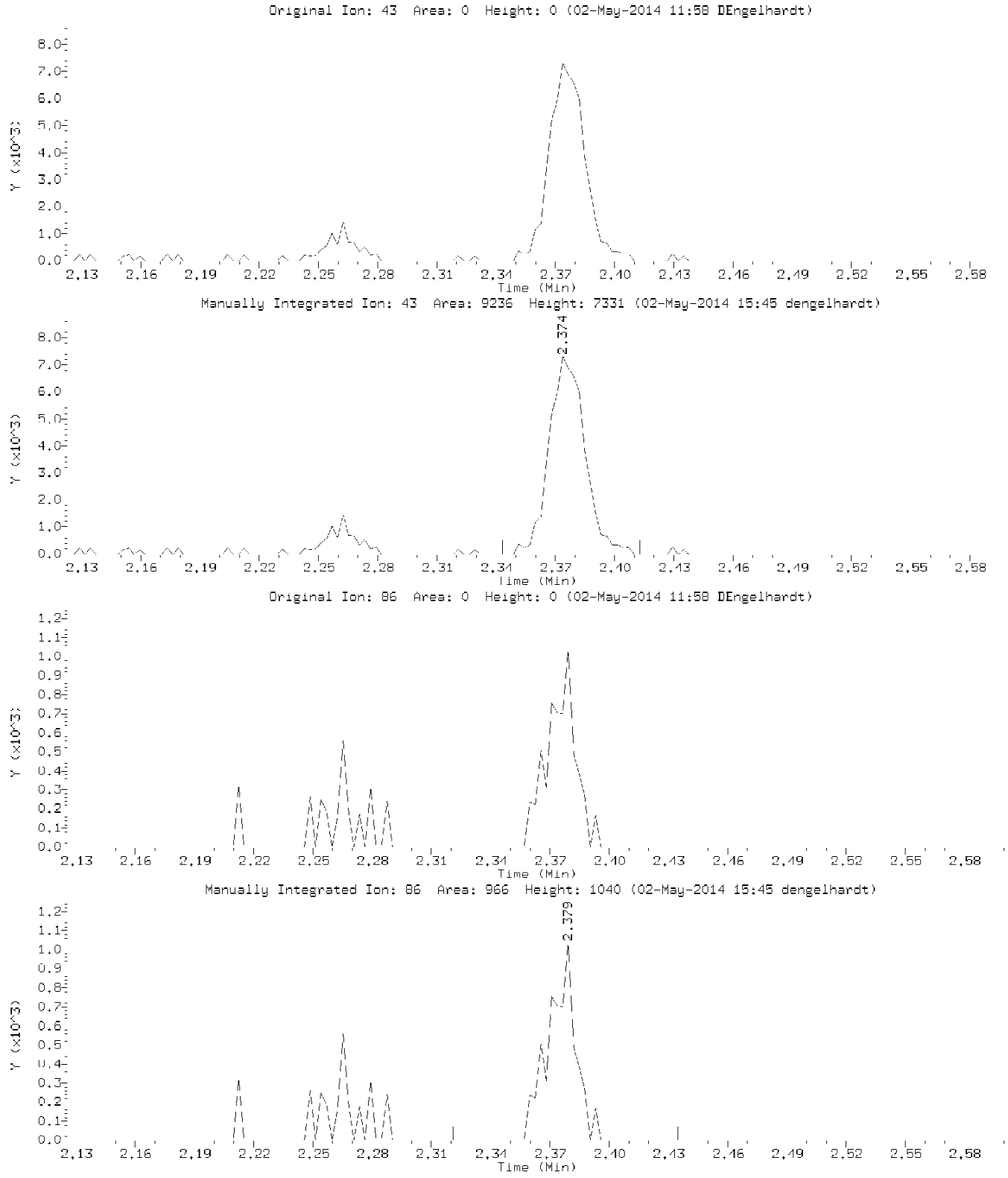






Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

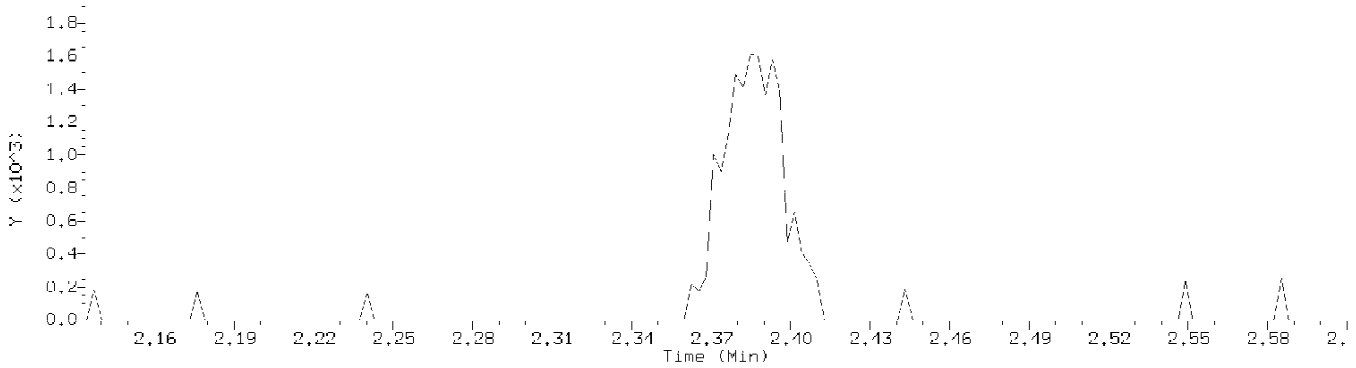
Compound: Vinyl Acetate
CAS Number: 108-05-4



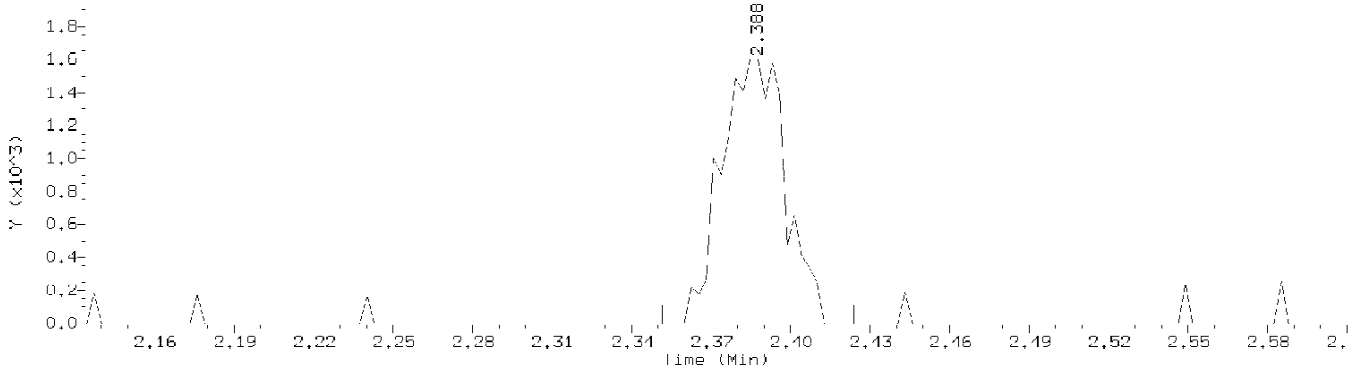
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Compound: 1,1-Dichloroethane
CAS Number: 75-34-3

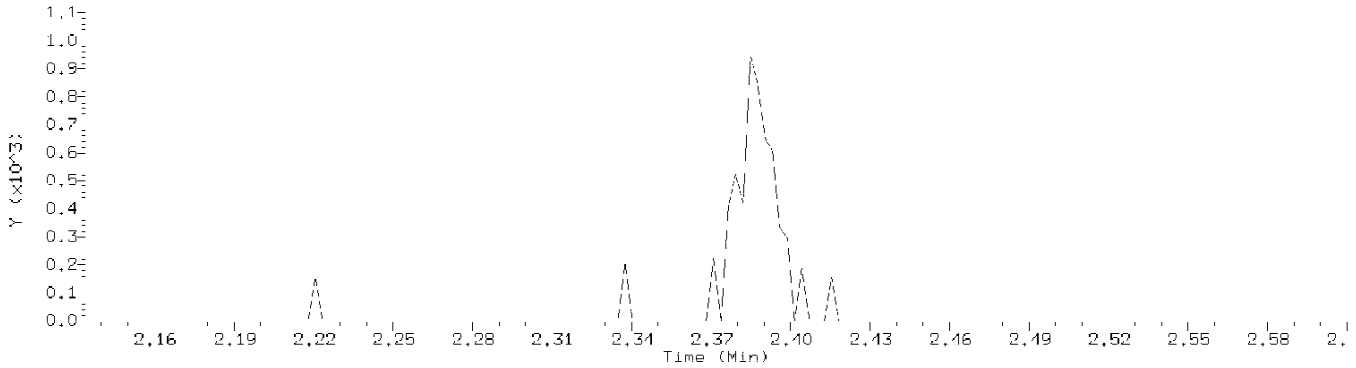
Original Ion: 63 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)



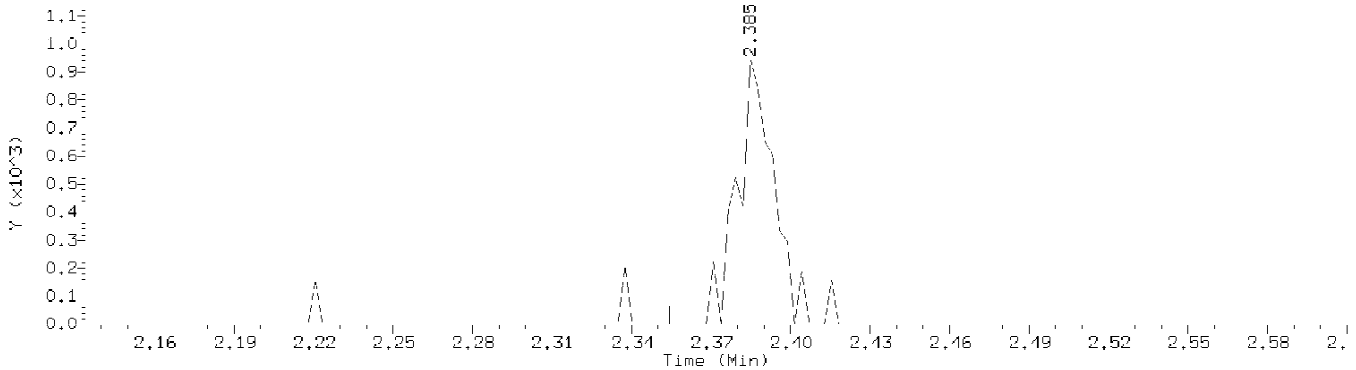
Manually Integrated Ion: 63 Area: 2716 Height: 1611 (02-May-2014 15:45 dengelhardt)



Original Ion: 65 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)

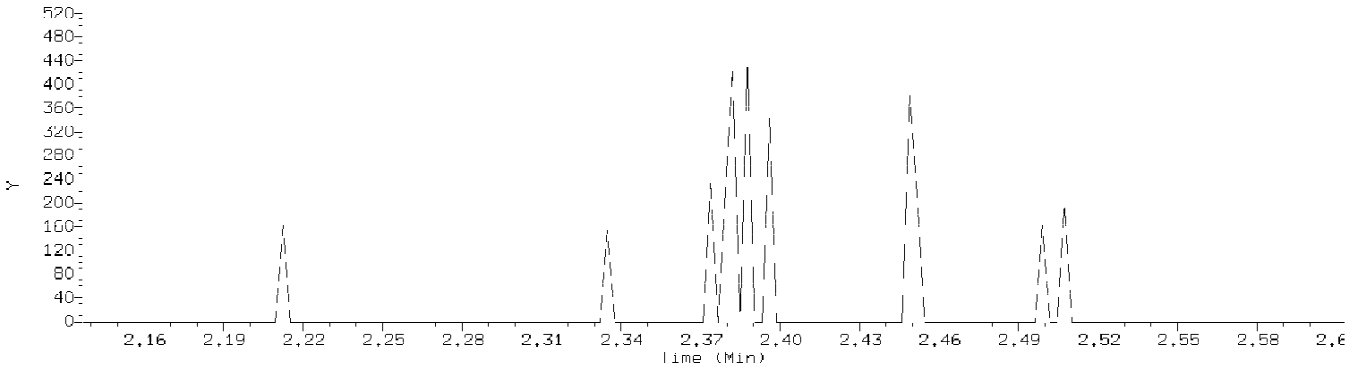


Manually Integrated Ion: 65 Area: 909 Height: 949 (02-May-2014 15:45 dengelhardt)

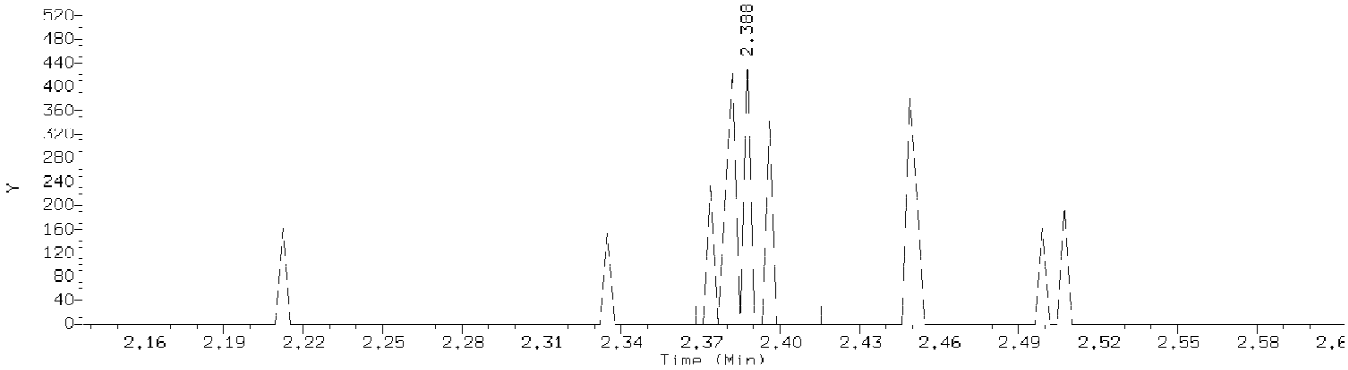


Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Original Ion: 83 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)

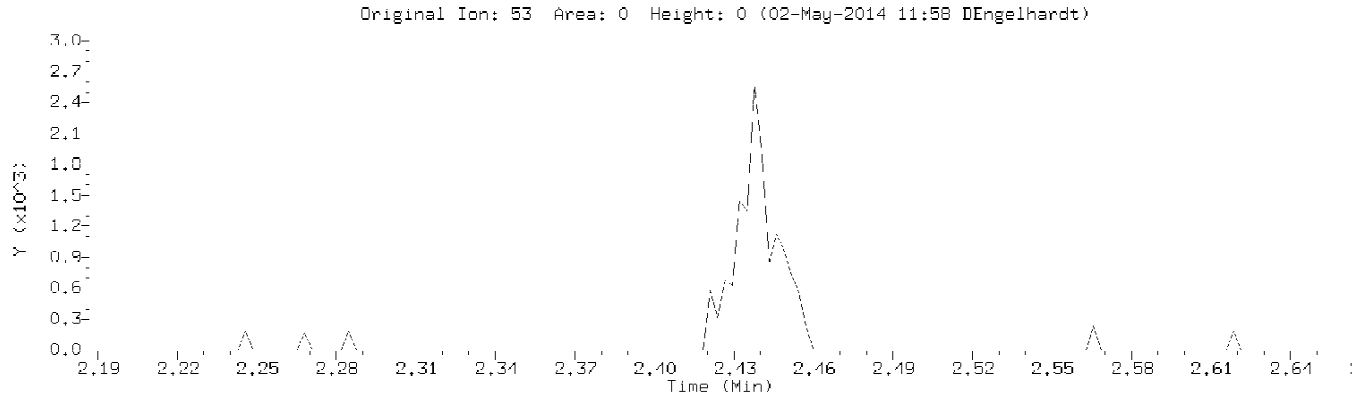


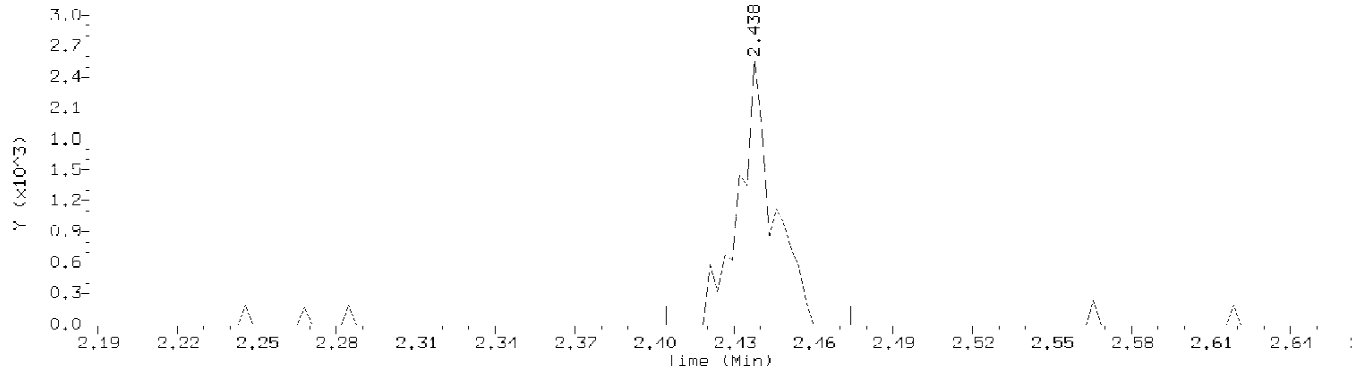
Manually Integrated Ion: 83 Area: 277 Height: 448 (02-May-2014 15:45 dengelhardt)

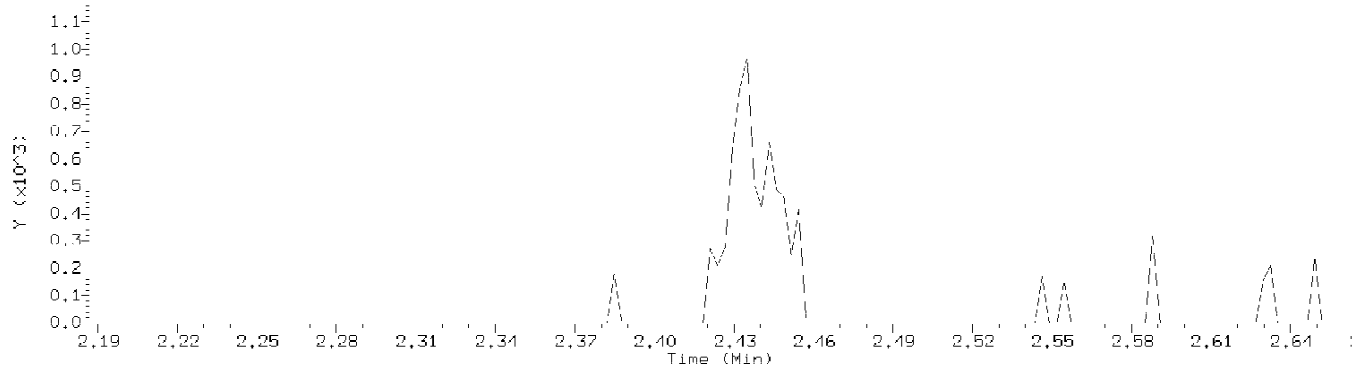


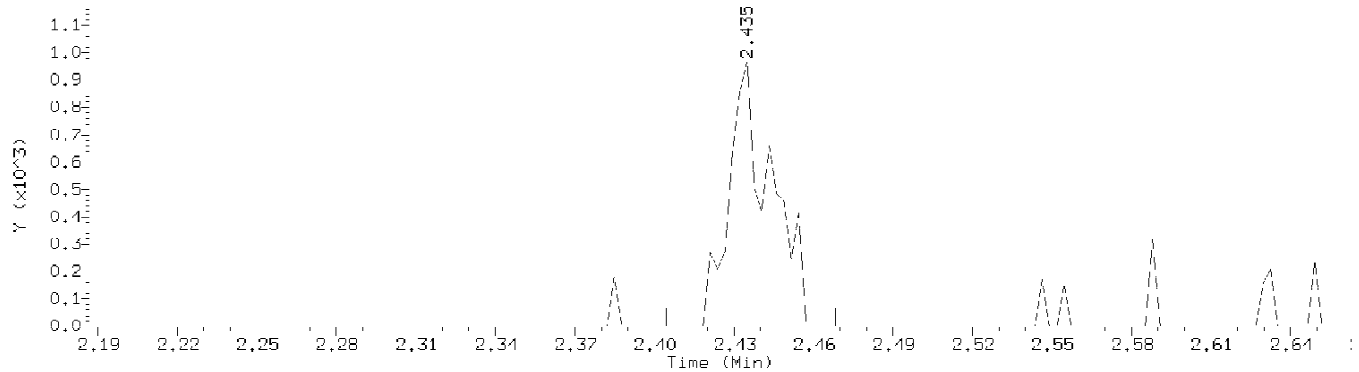
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Compound: Chloroprene
CAS Number: 126-99-8



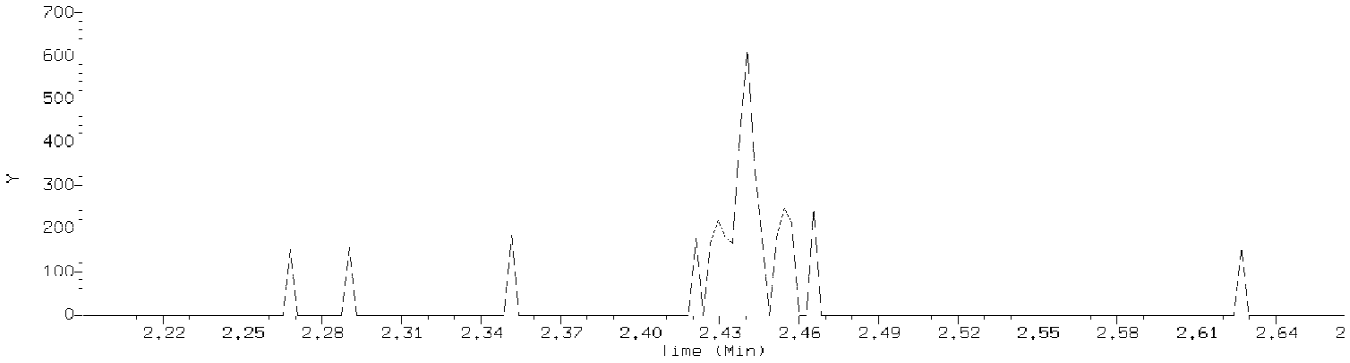




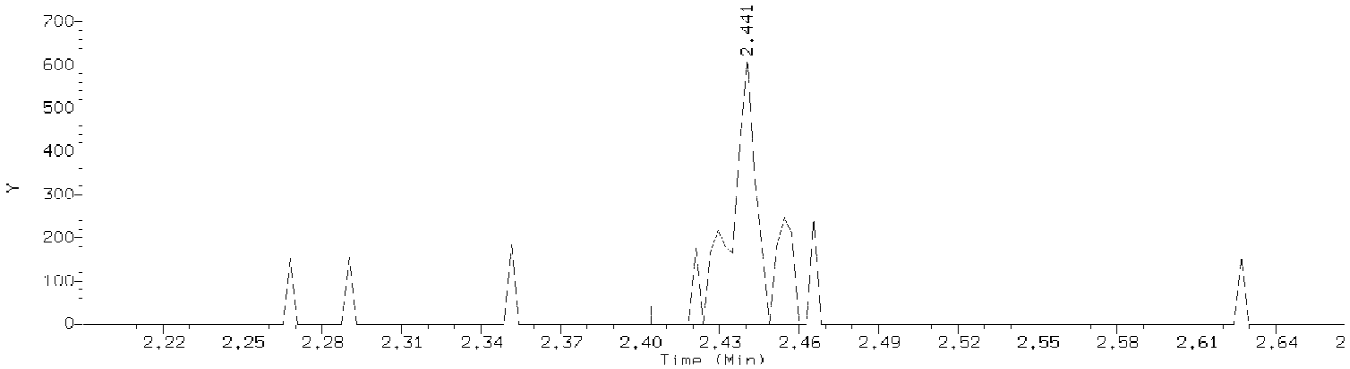


Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Original Ion: 90 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)

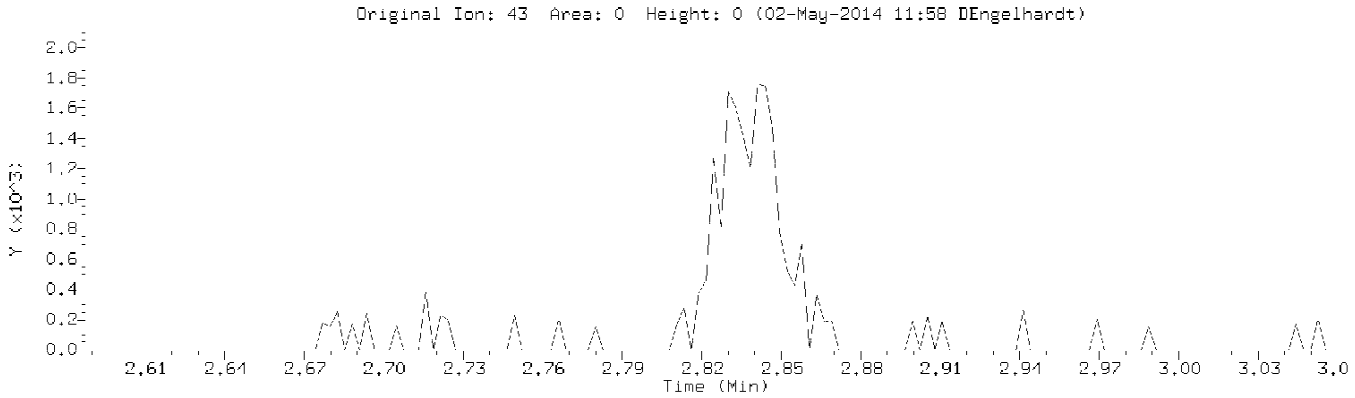


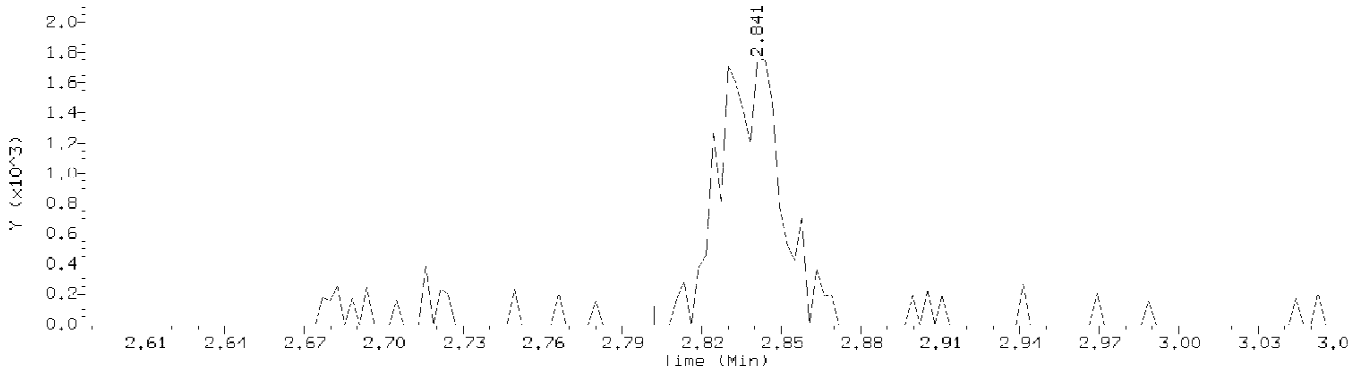
Manually Integrated Ion: 90 Area: 517 Height: 616 (02-May-2014 15:45 dengelhardt)

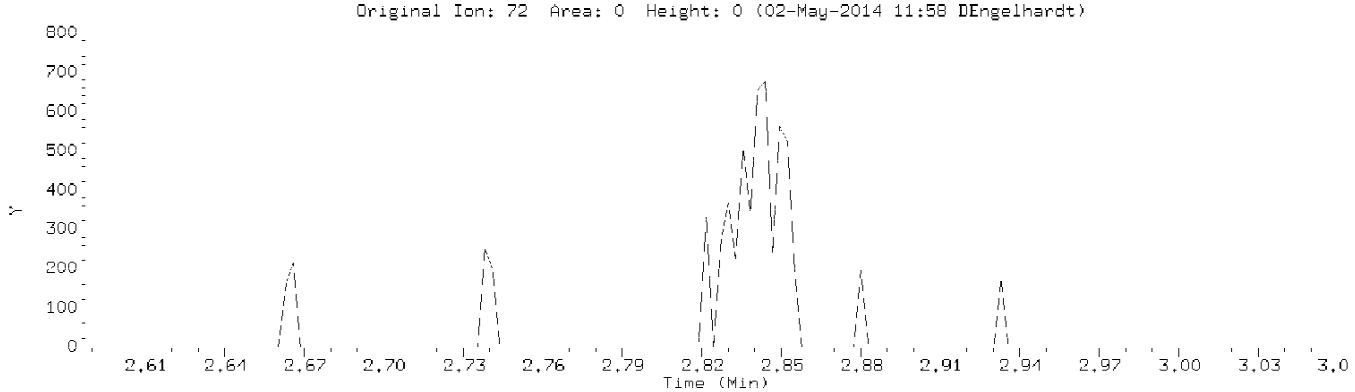


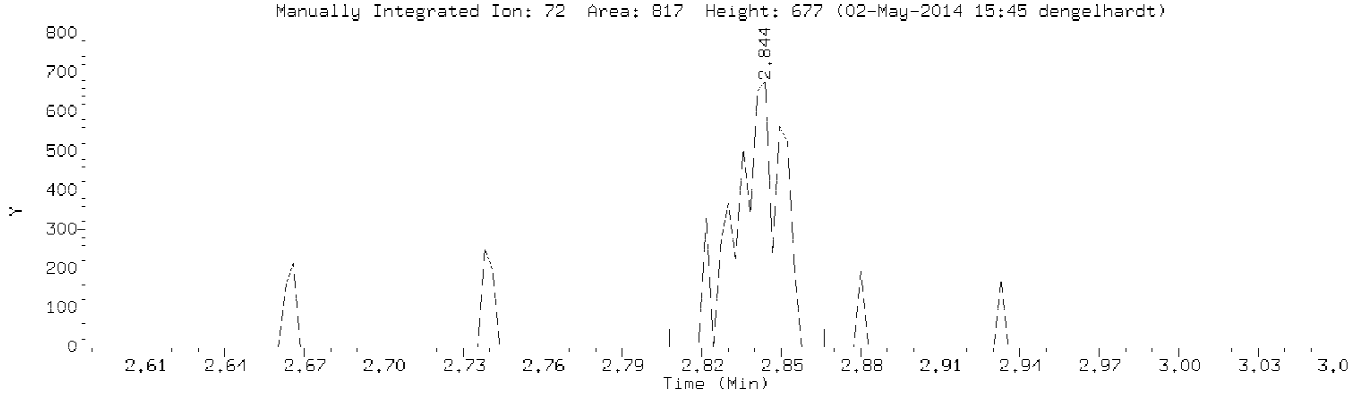
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Compound: 2-Butanone
CAS Number: 78-93-3



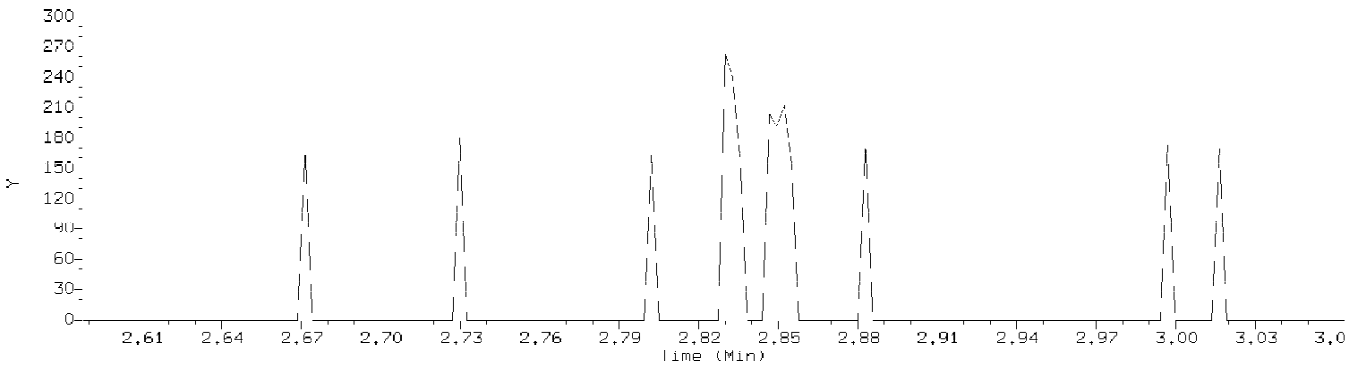




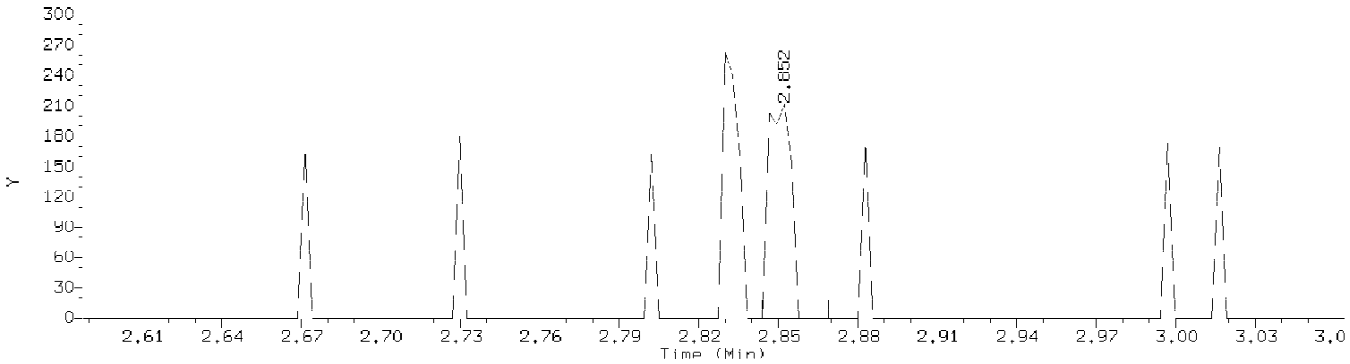


Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Original Ion: 57 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)



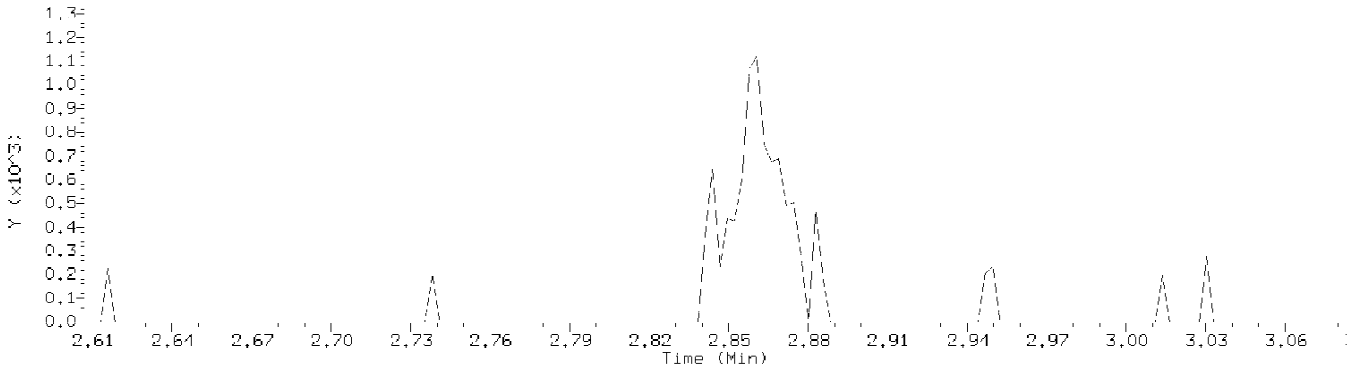
Manually Integrated Ion: 57 Area: 126 Height: 211 (02-May-2014 15:45 dengelhardt)



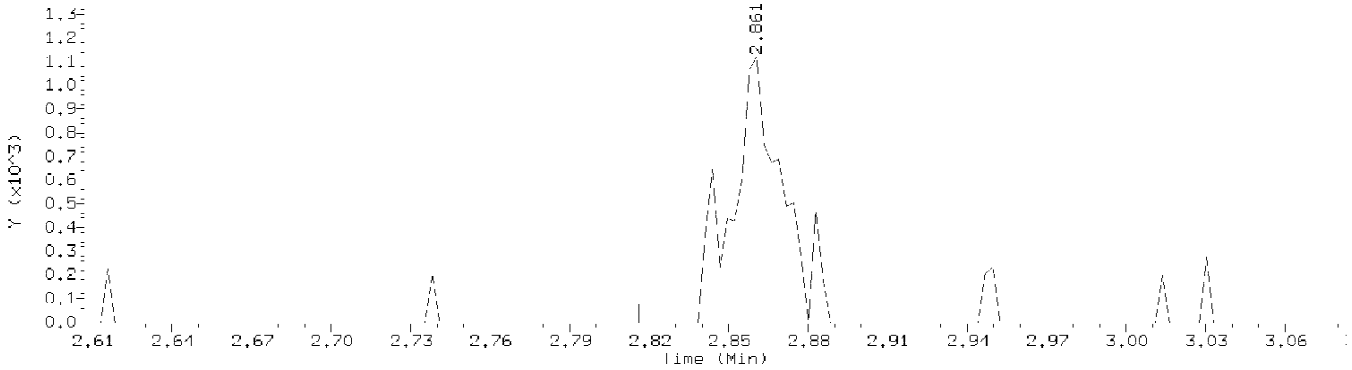
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Compound: 2,2-Dichloropropane
CAS Number: 594-20-7

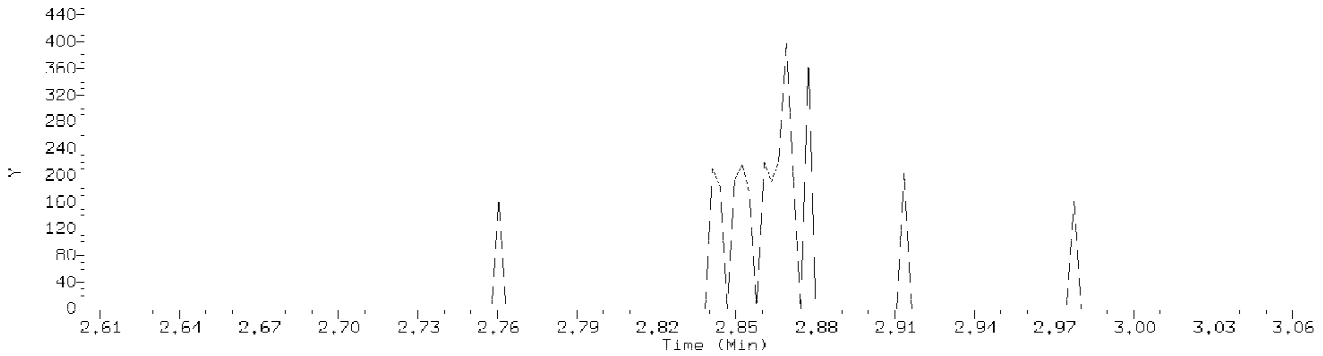
Original Ion: 77 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)



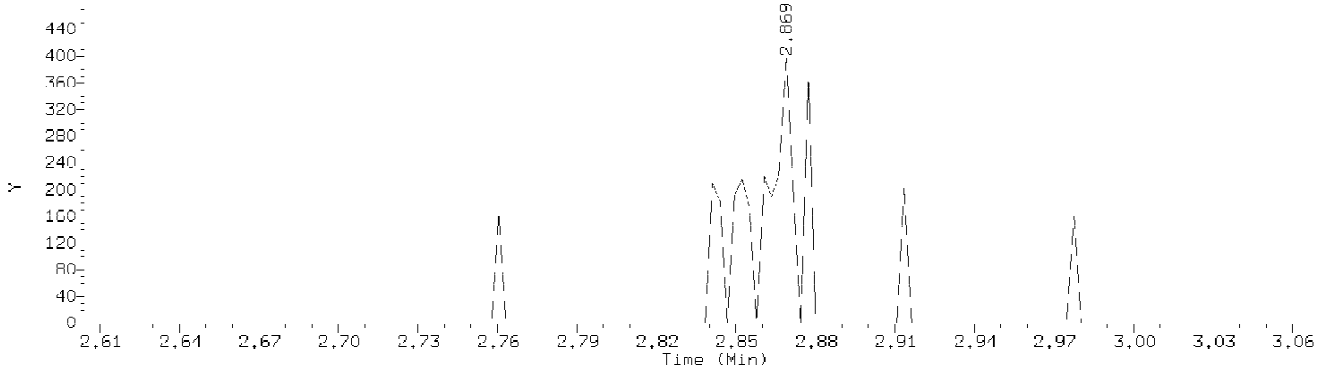
Manually Integrated Ion: 77 Area: 1496 Height: 1121 (02-May-2014 15:45 dengelhardt)



Original Ion: 97 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)



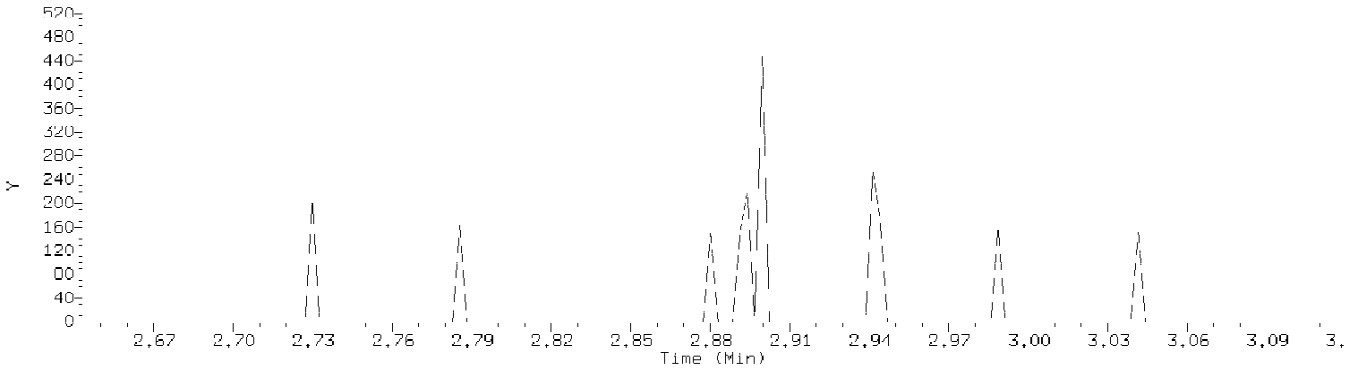
Manually Integrated Ion: 97 Area: 203 Height: 398 (02-May-2014 15:45 dengelhardt)



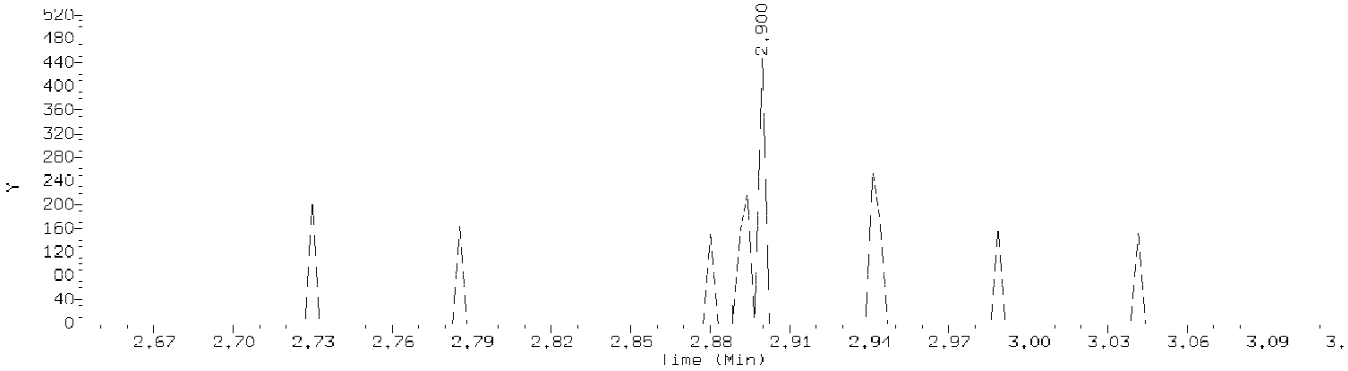
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Compound: Propionitrile
CAS Number: 107-12-0

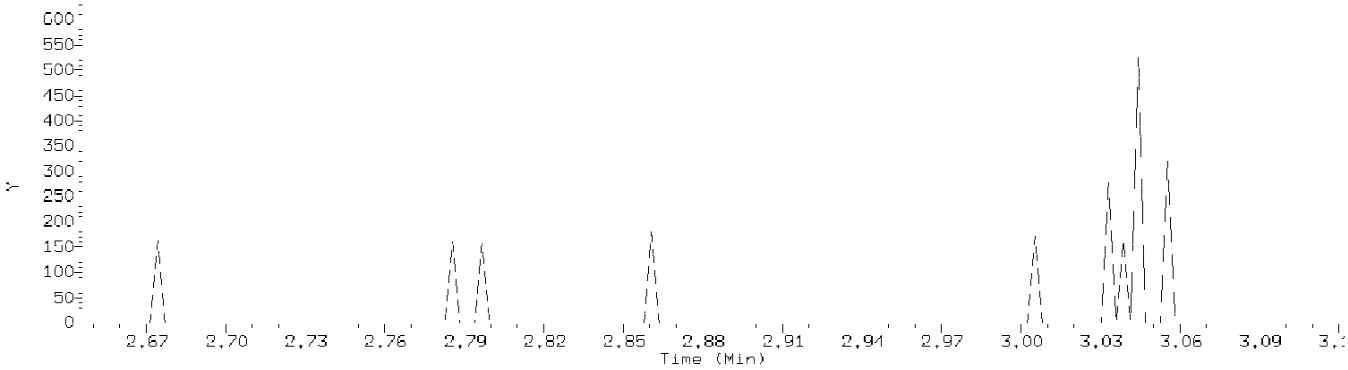
Original Ion: 54 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)



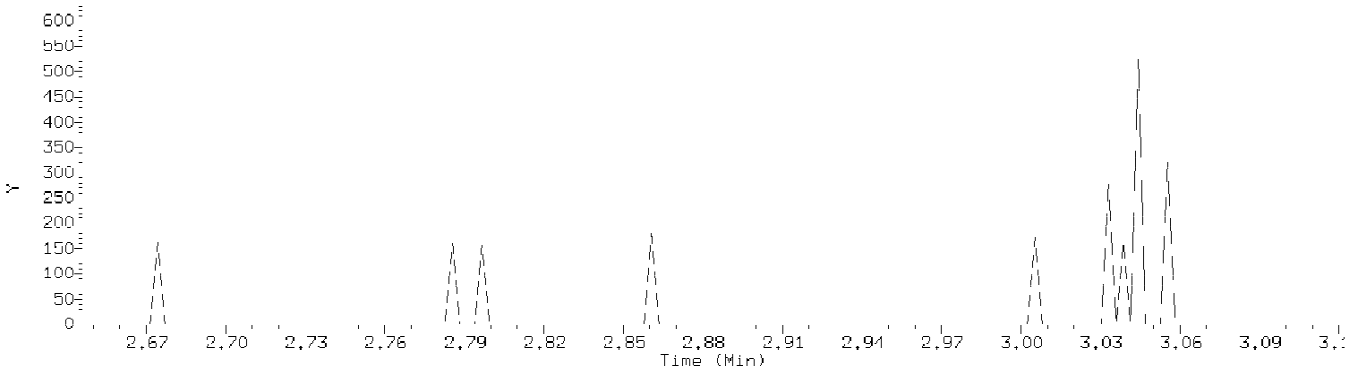
Manually Integrated Ion: 54 Area: 137 Height: 448 (02-May-2014 15:45 dengelhardt)



Original Ion: 52 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)

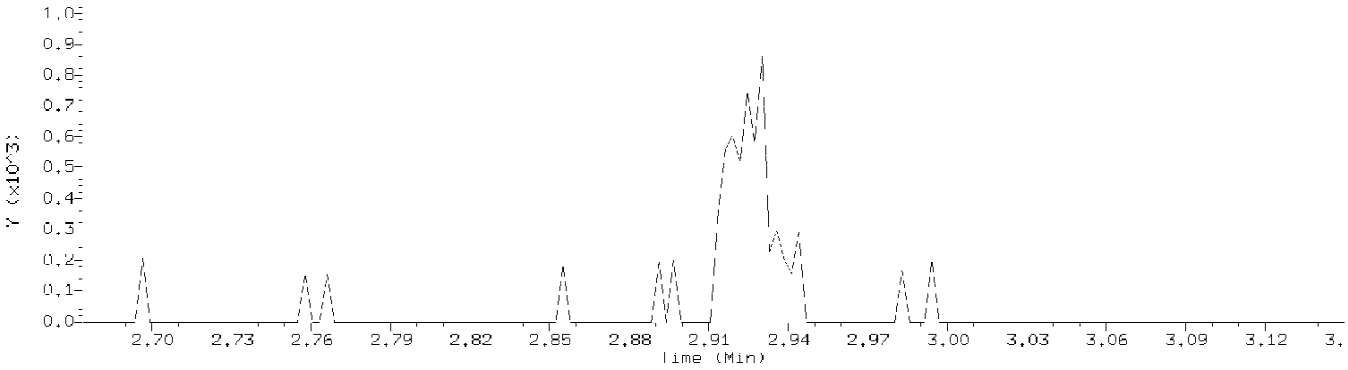


Manually Integrated Ion: 52 Area: 0 Height: 0 (02-May-2014 15:45 dengelhardt)

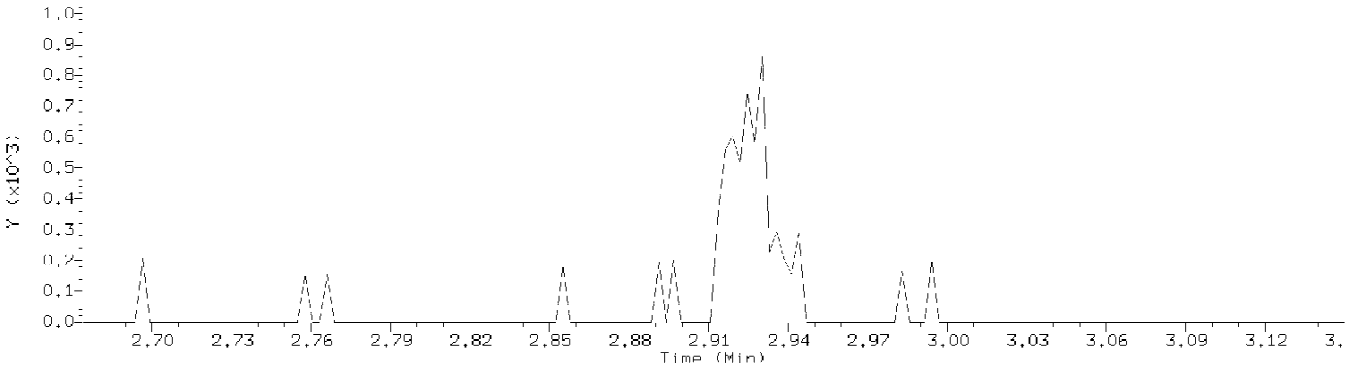


Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Original Ion: 55 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)



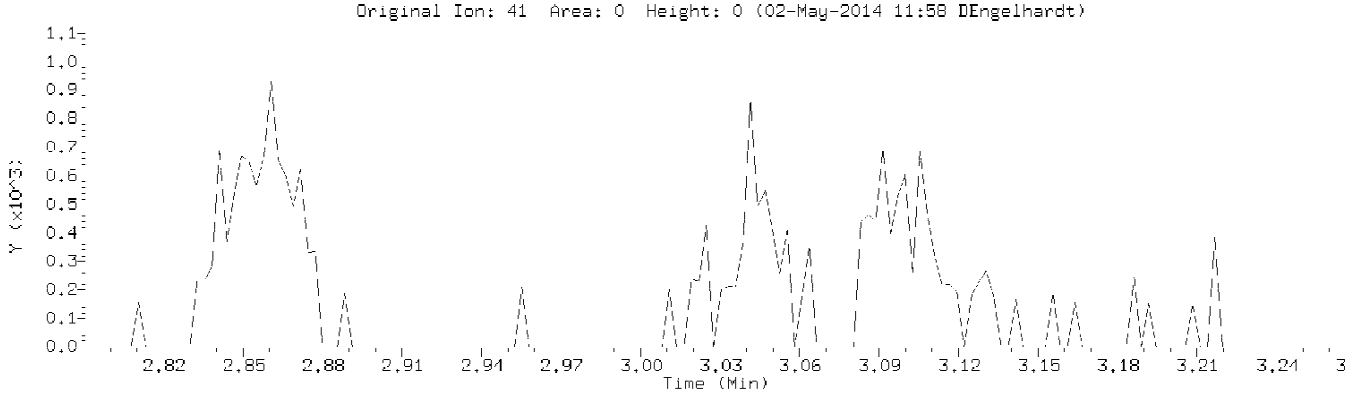
Manually Integrated Ion: 55 Area: 0 Height: 0 (02-May-2014 15:45 dengelhardt)



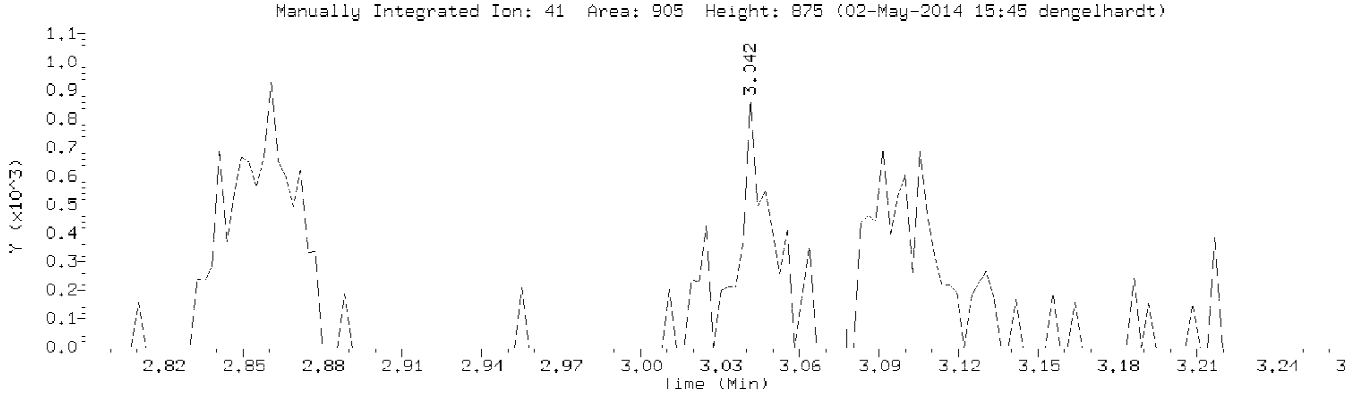
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Compound: Methacrylonitrile
CAS Number: 126-98-7

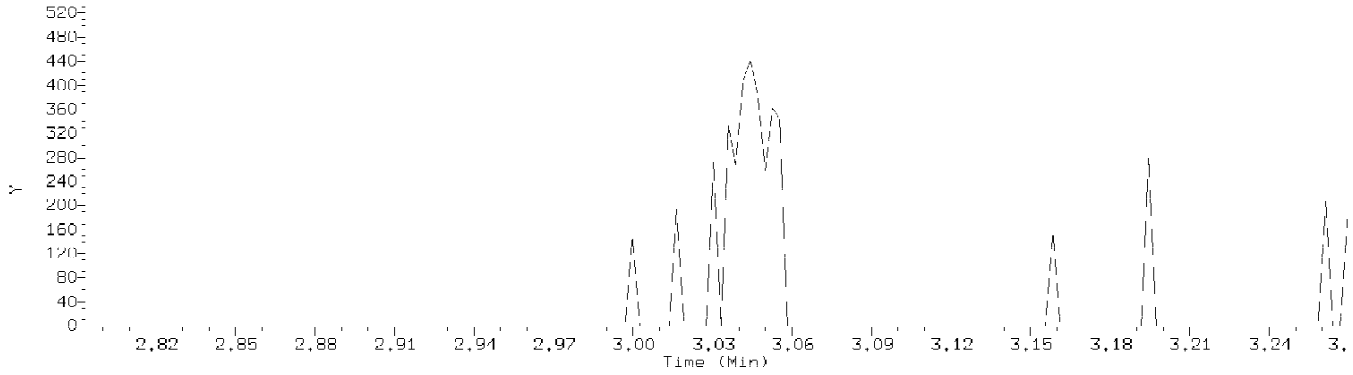
Original Ion: 41 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)



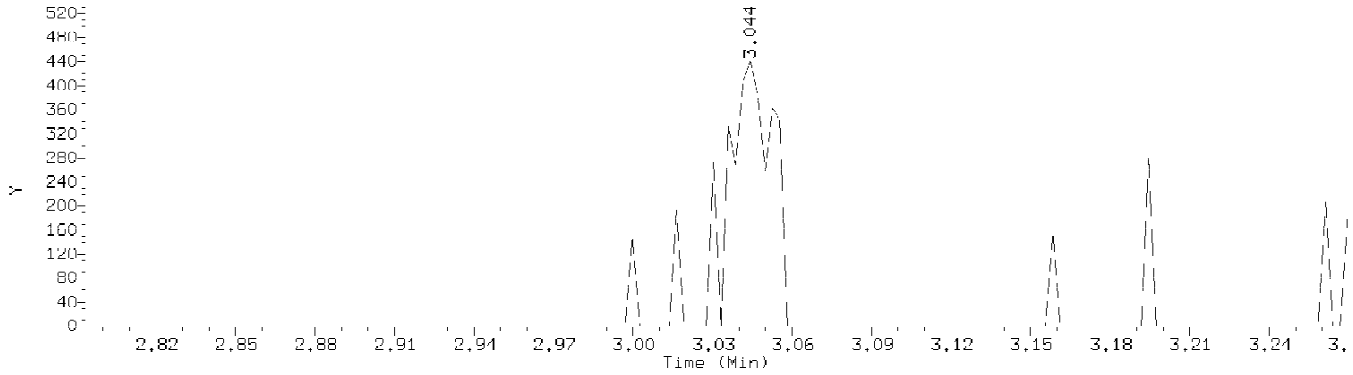
Manually Integrated Ion: 41 Area: 905 Height: 875 (02-May-2014 15:45 dengelhardt)



Original Ion: 67 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)

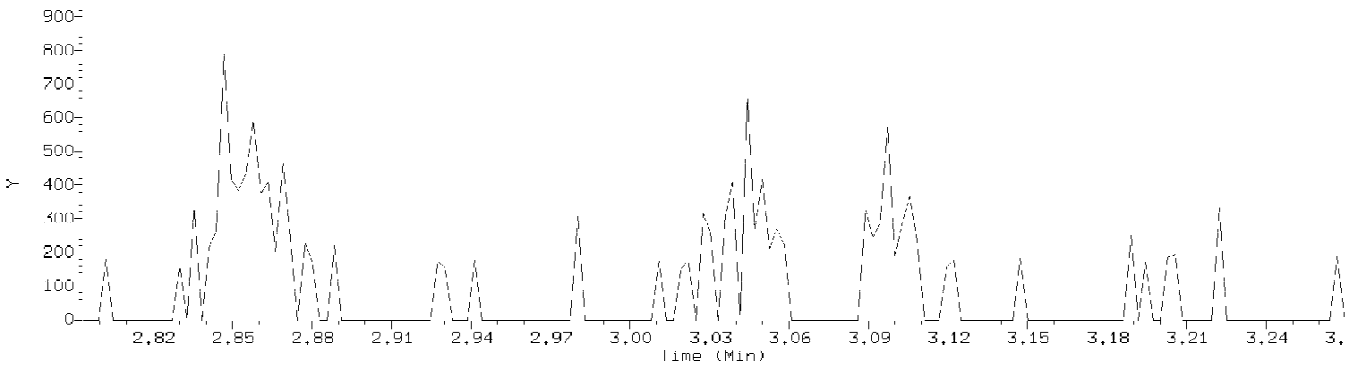


Manually Integrated Ion: 67 Area: 468 Height: 442 (02-May-2014 15:45 dengelhardt)

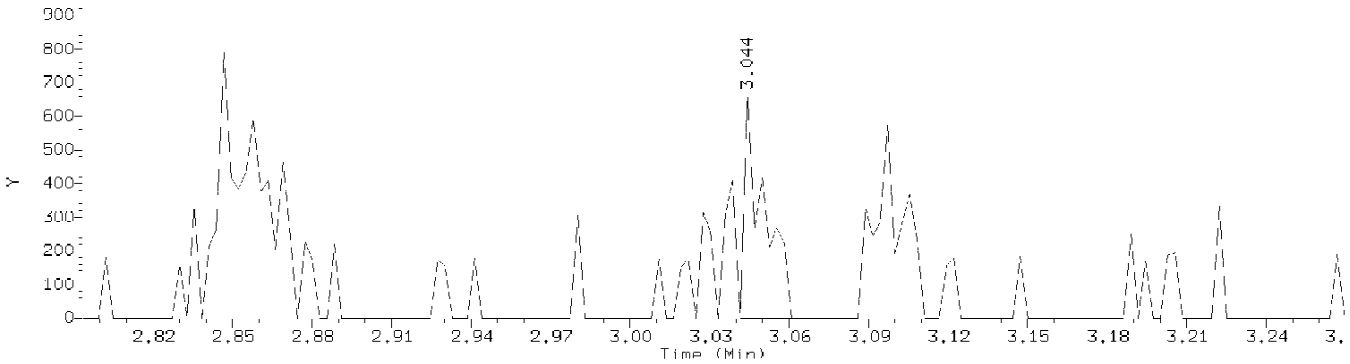


Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Original Ion: 39 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)



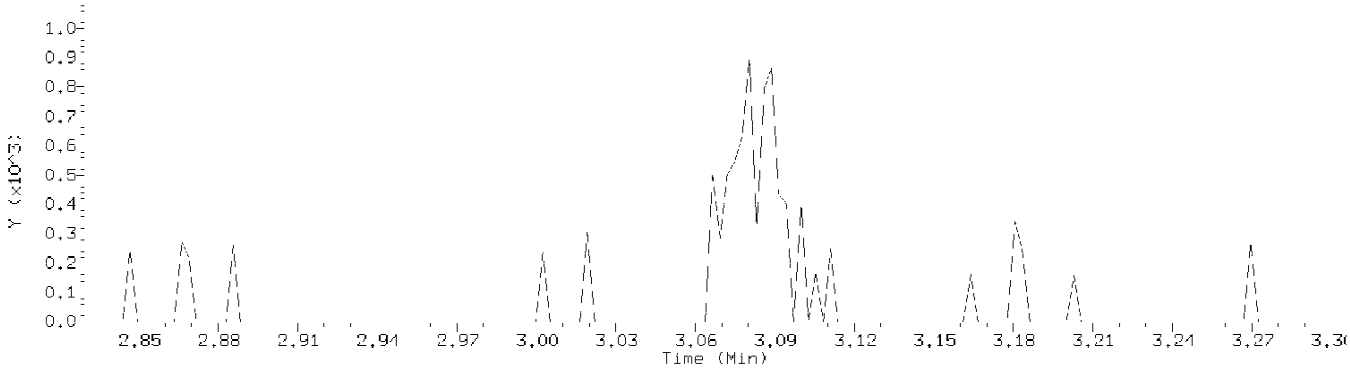
Manually Integrated Ion: 39 Area: 344 Height: 673 (02-May-2014 15:45 dengelhardt)



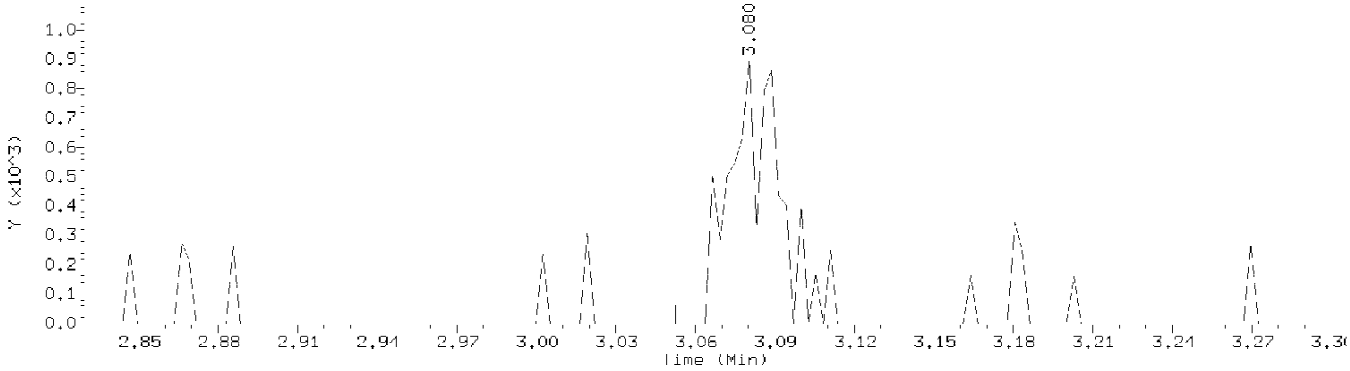
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Compound: Bromochloromethane
CAS Number: 74-97-5

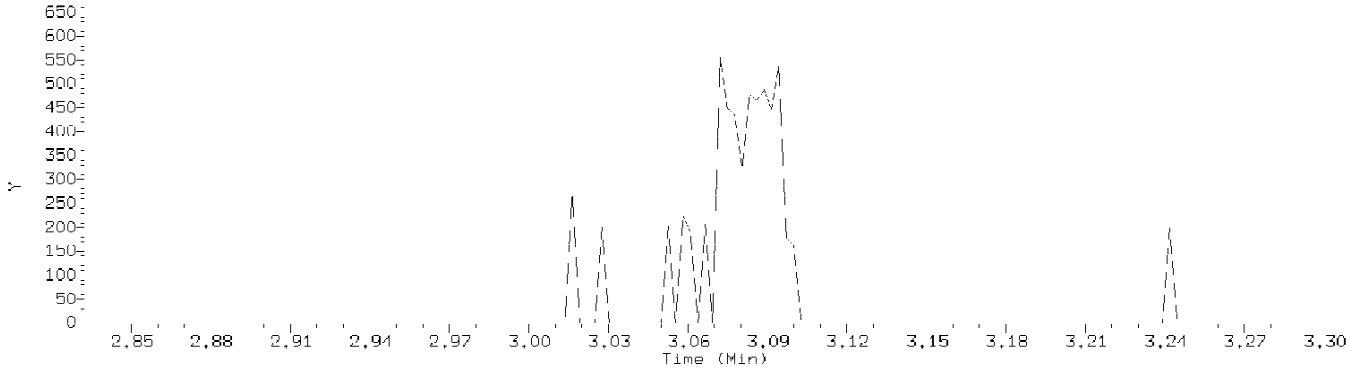
Original Ion: 49 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)



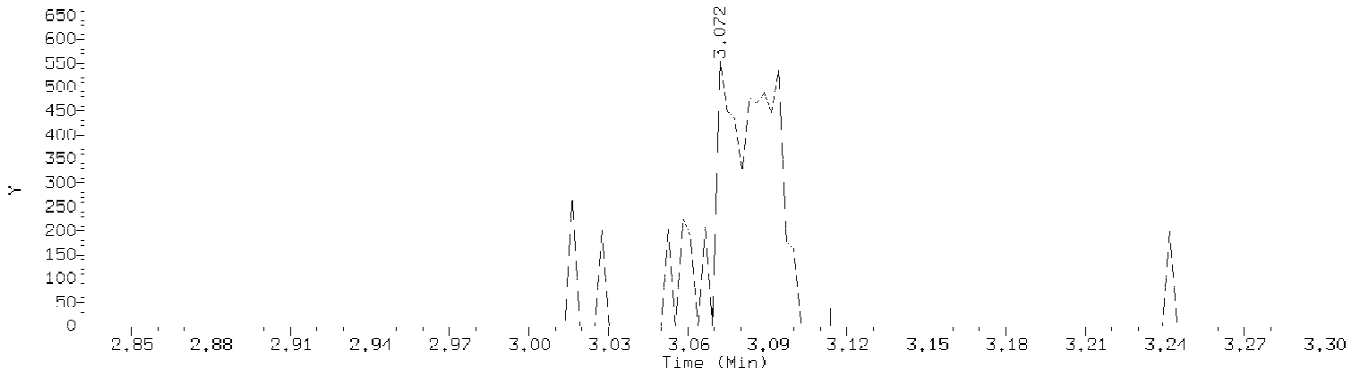
Manually Integrated Ion: 49 Area: 1101 Height: 906 (02-May-2014 15:45 dengelhardt)



Original Ion: 128 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)

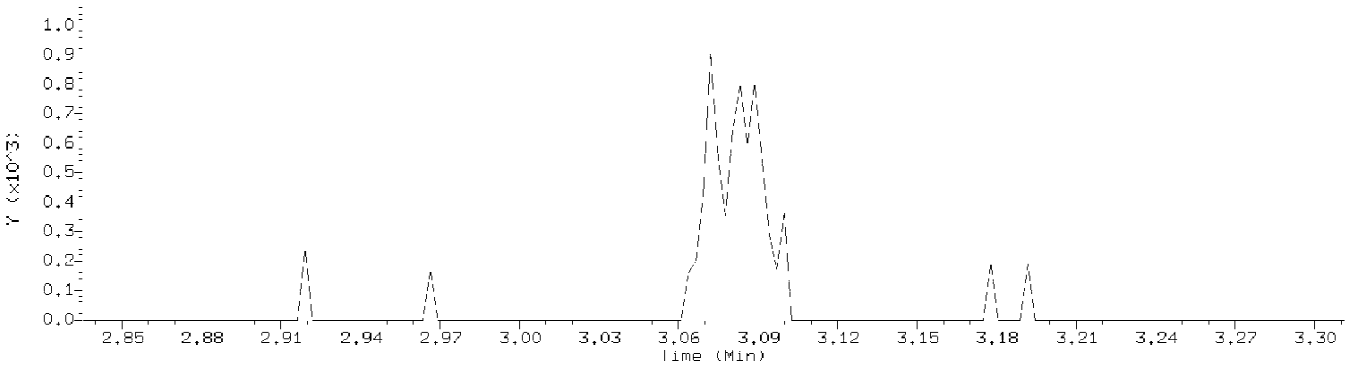


Manually Integrated Ion: 128 Area: 753 Height: 556 (02-May-2014 15:45 dengelhardt)

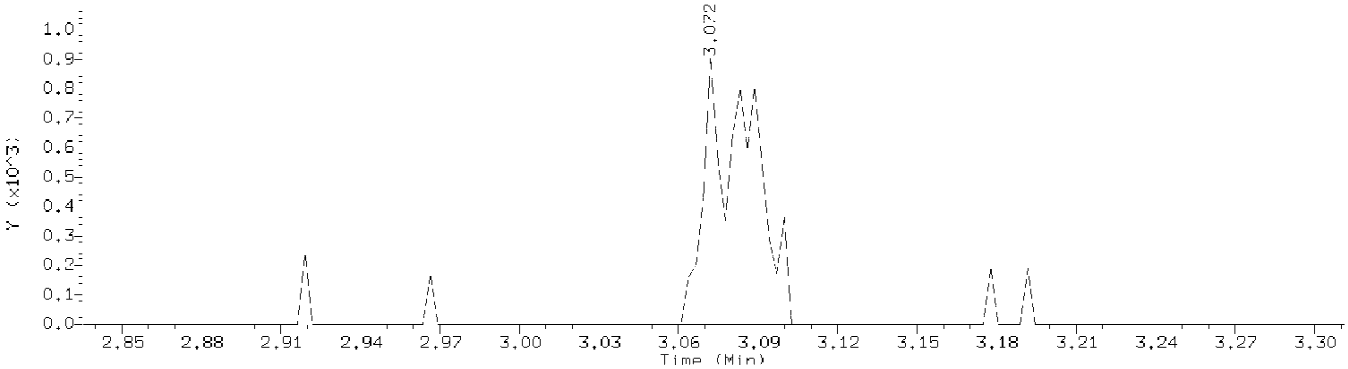


Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Original Ion: 130 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)

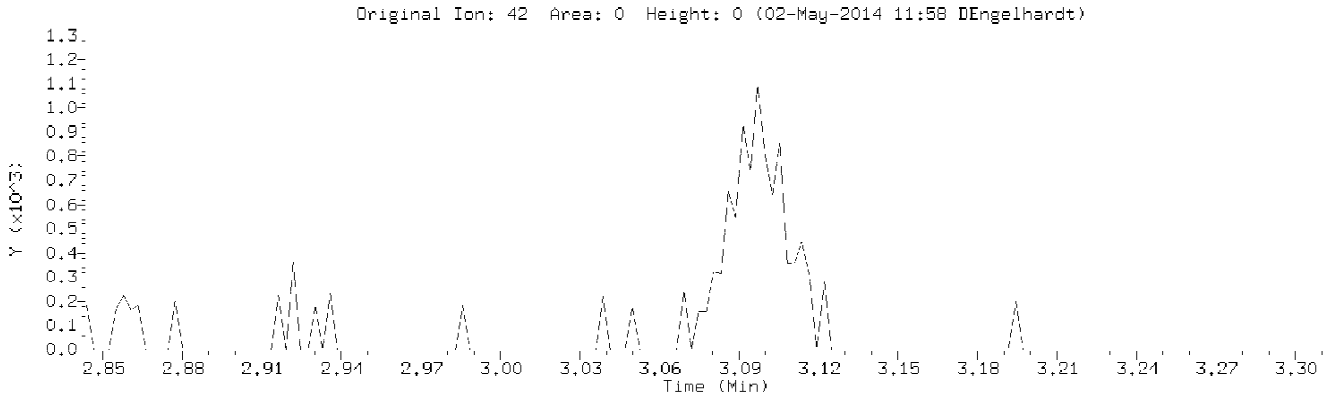


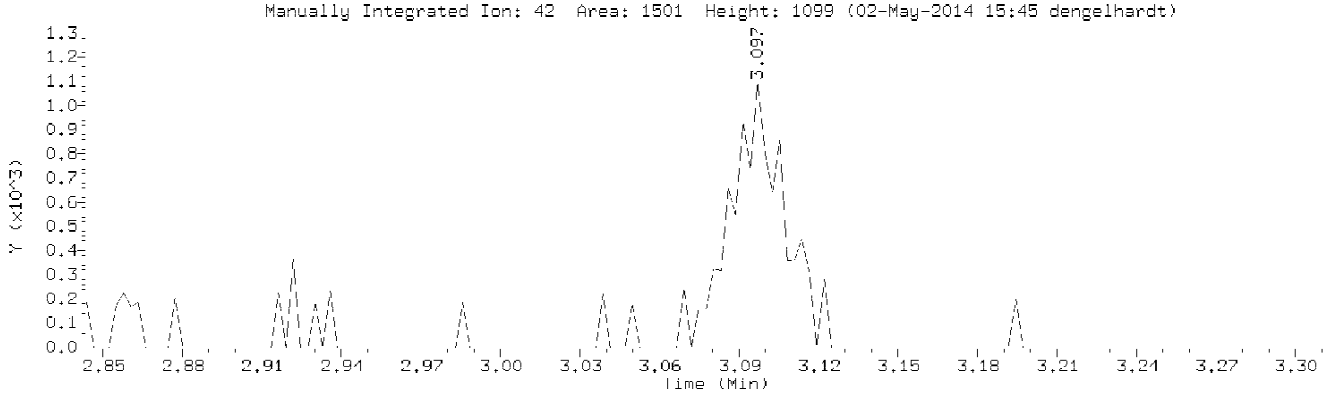
Manually Integrated Ion: 130 Area: 1131 Height: 903 (02-May-2014 15:45 dengelhardt)

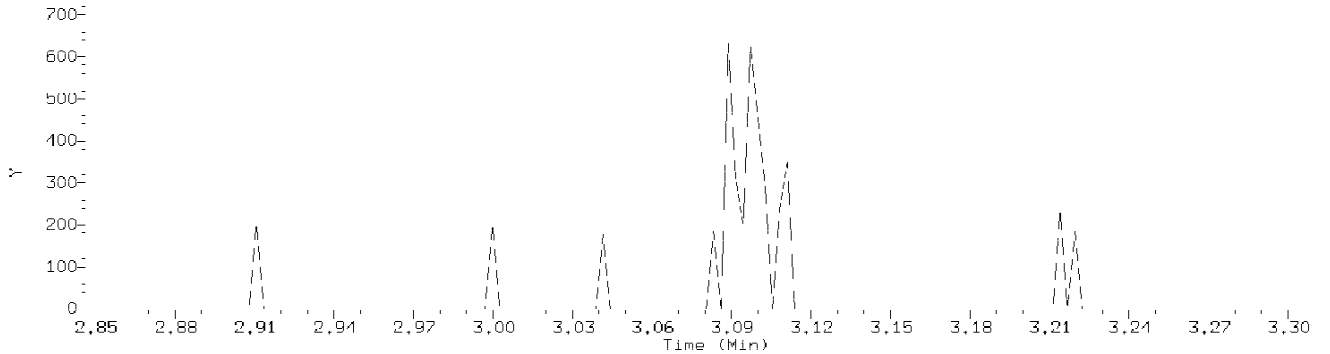


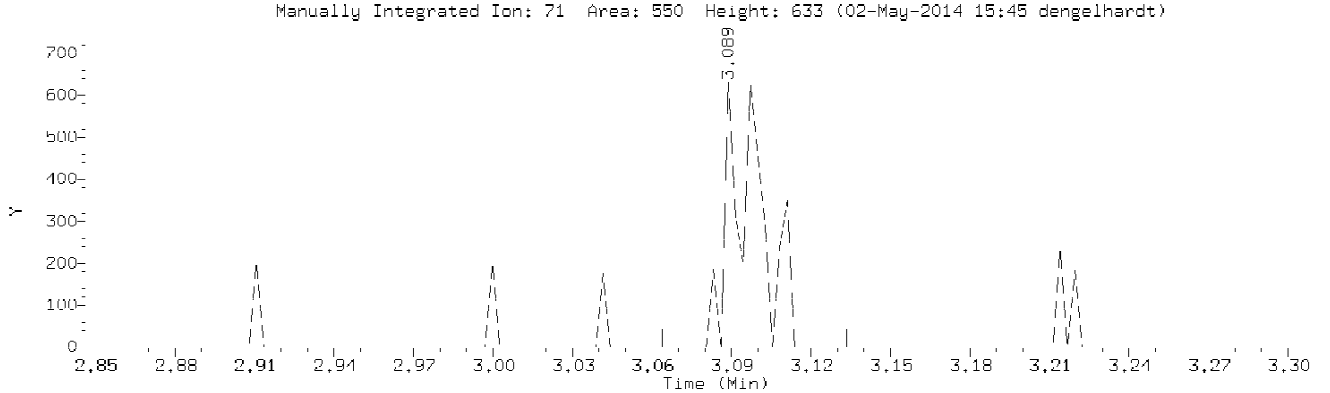
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Compound: Tetrahydrofuran
CAS Number:



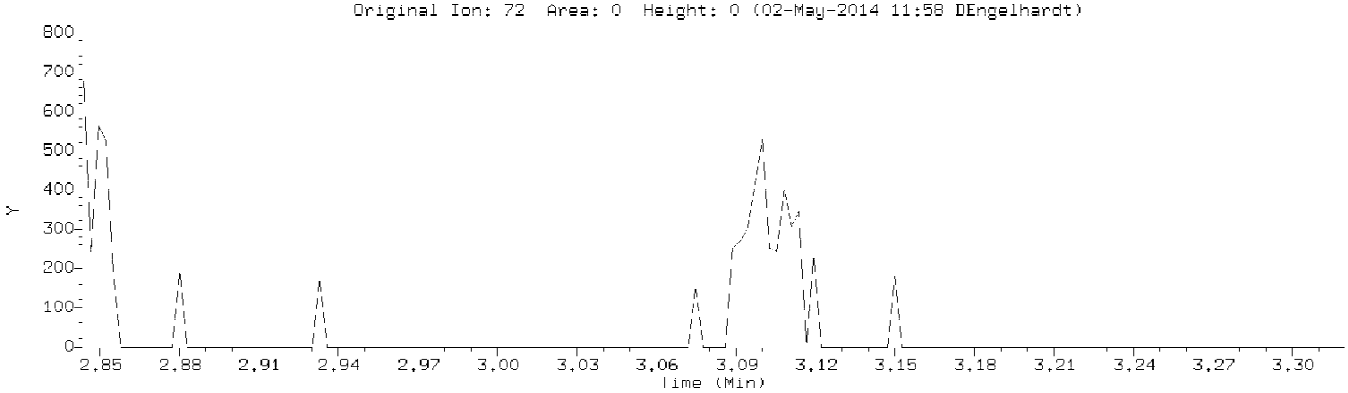




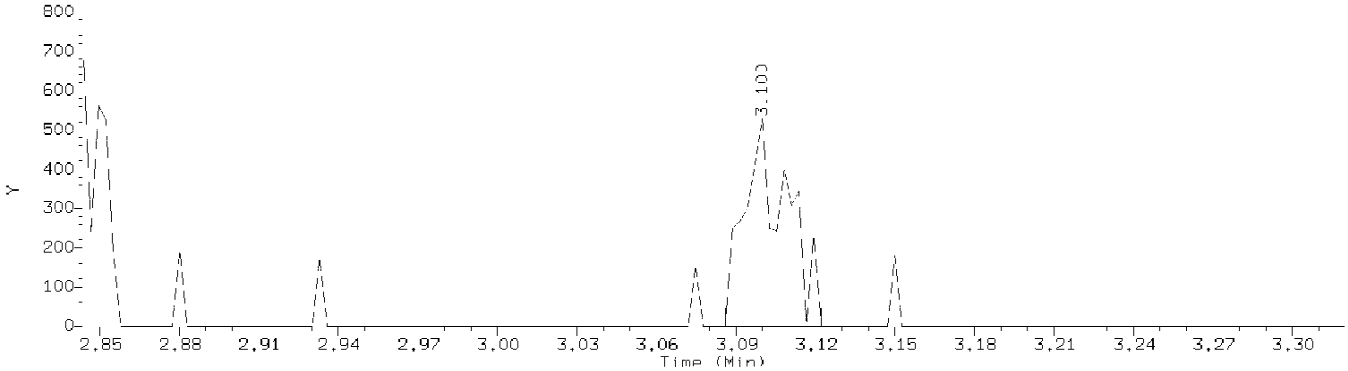


Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Original Ion: 72 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)



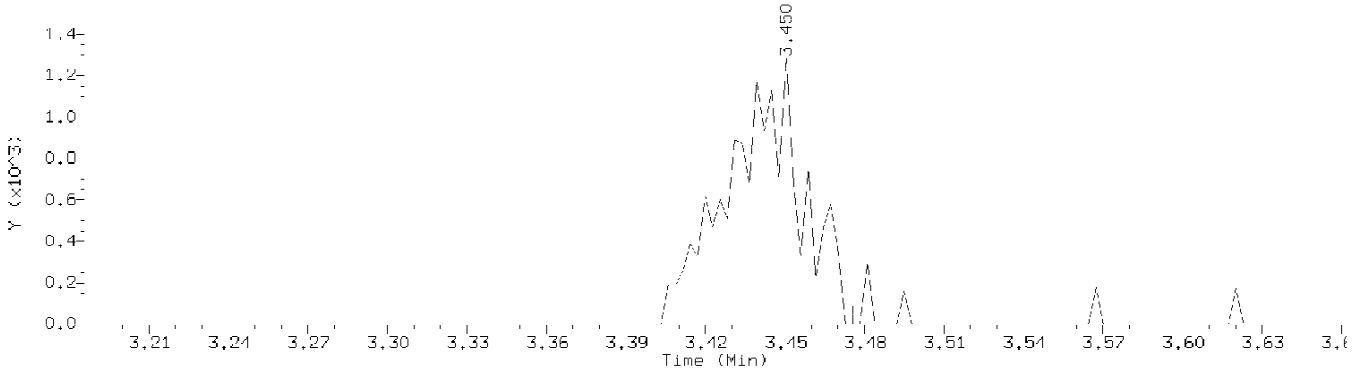
Manually Integrated Ion: 72 Area: 589 Height: 529 (02-May-2014 15:45 dengelhardt)



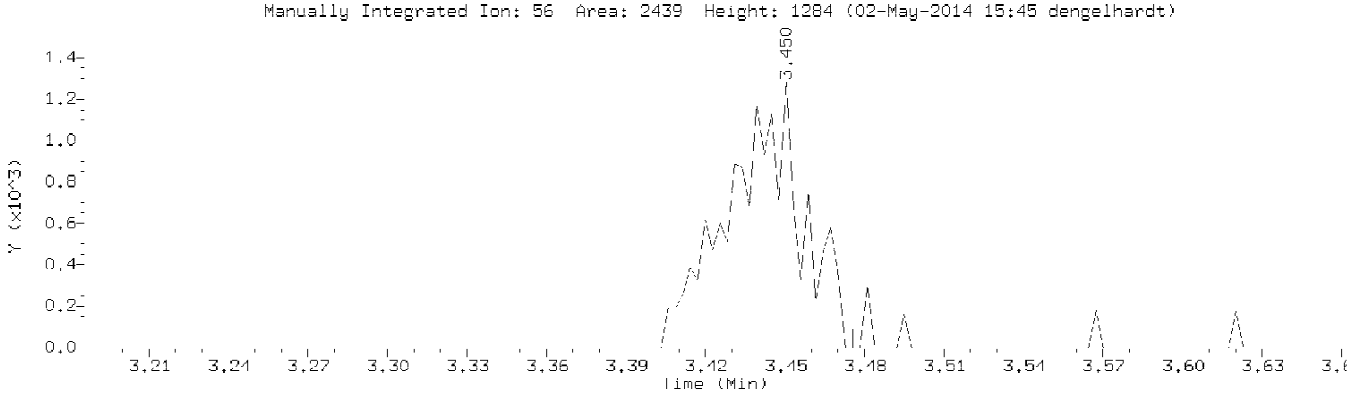
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Compound: cyclohexane
CAS Number: 110-82-7

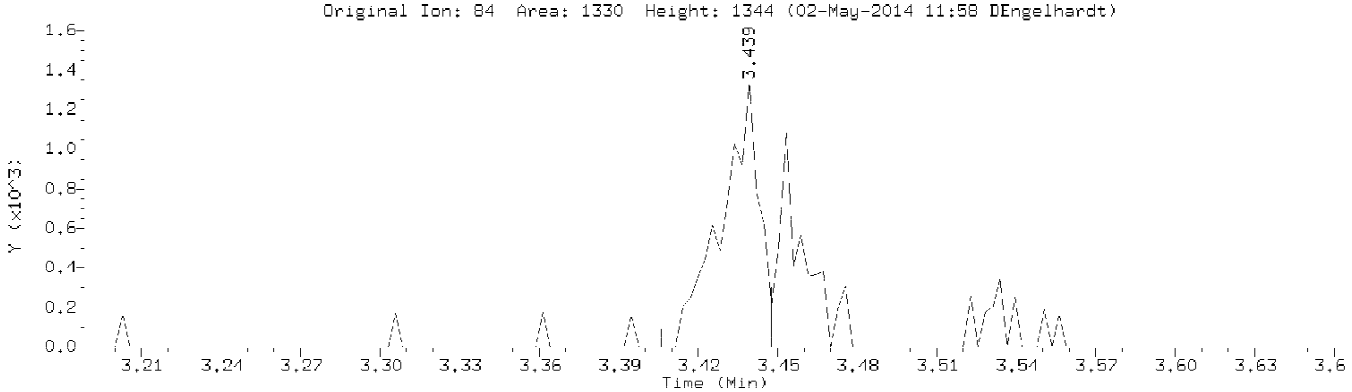
Original Ion: 56 Area: 2439 Height: 1284 (02-May-2014 11:58 DEngelhardt)



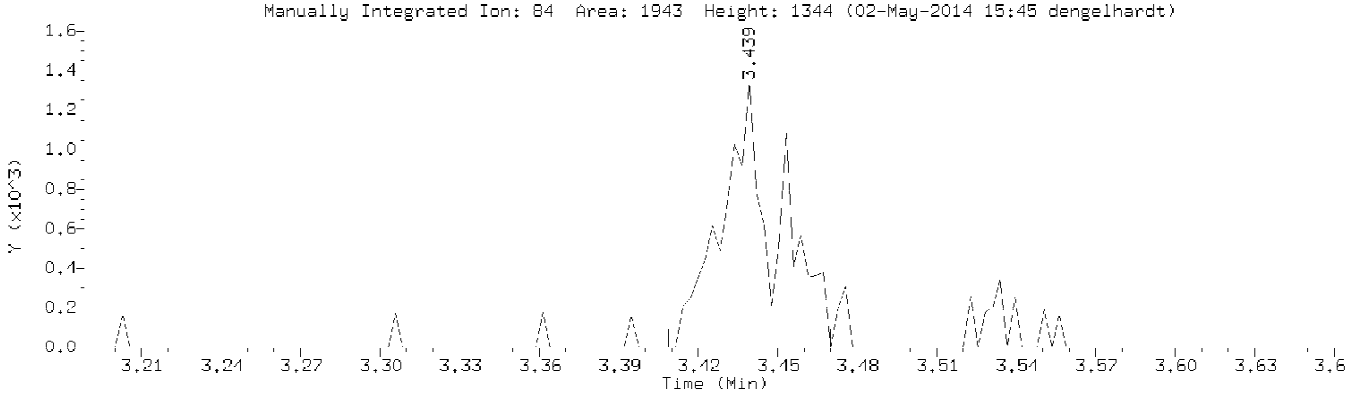
Manually Integrated Ion: 56 Area: 2439 Height: 1284 (02-May-2014 15:45 dengelhardt)



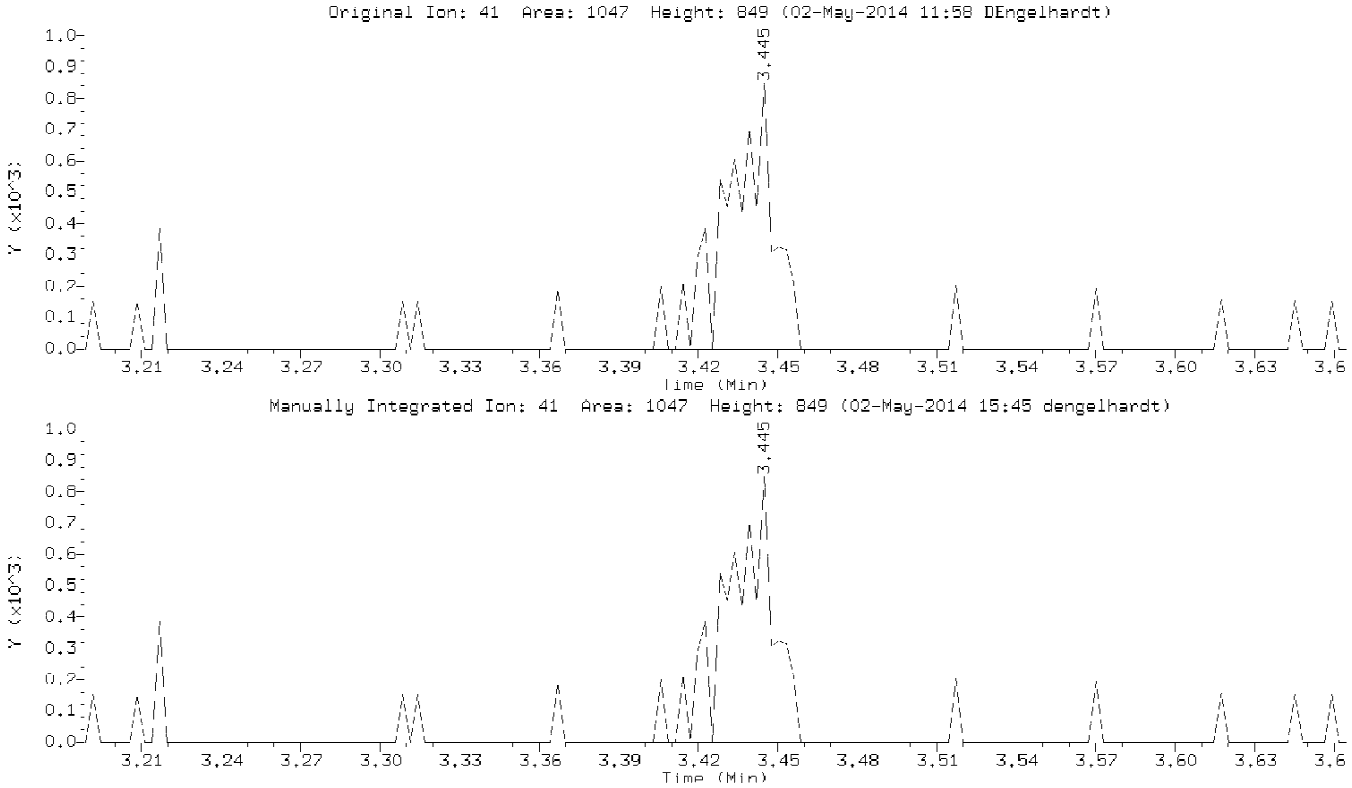
Original Ion: 84 Area: 1330 Height: 1344 (02-May-2014 11:58 DEngelhardt)



Manually Integrated Ion: 84 Area: 1943 Height: 1344 (02-May-2014 15:45 dengelhardt)



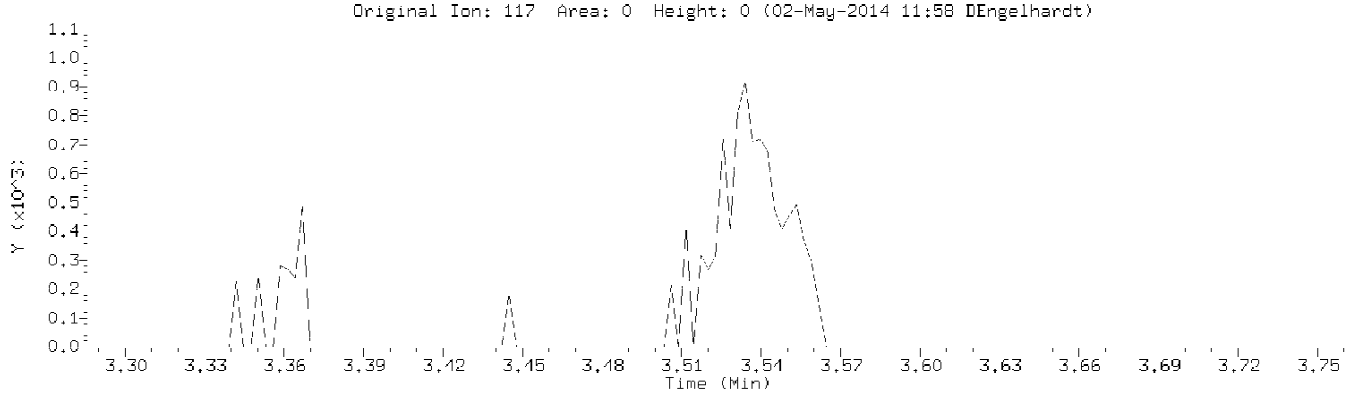
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0



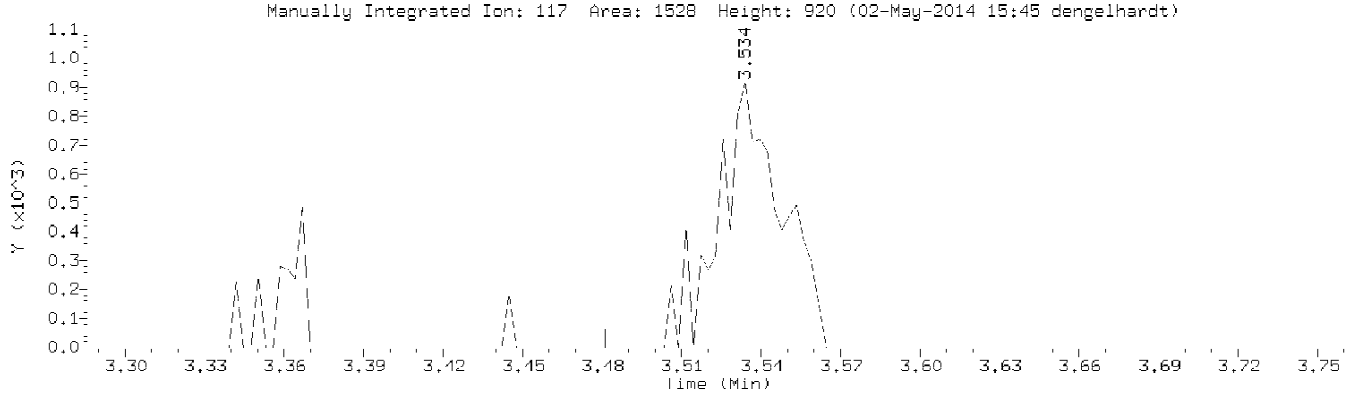
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Compound: Carbon Tetrachloride
CAS Number: 56-23-5

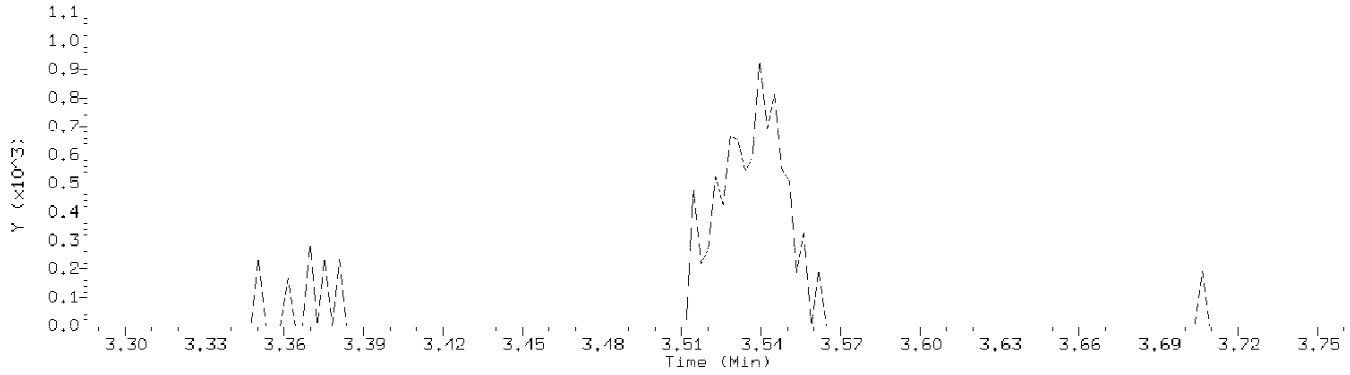
Original Ion: 117 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)



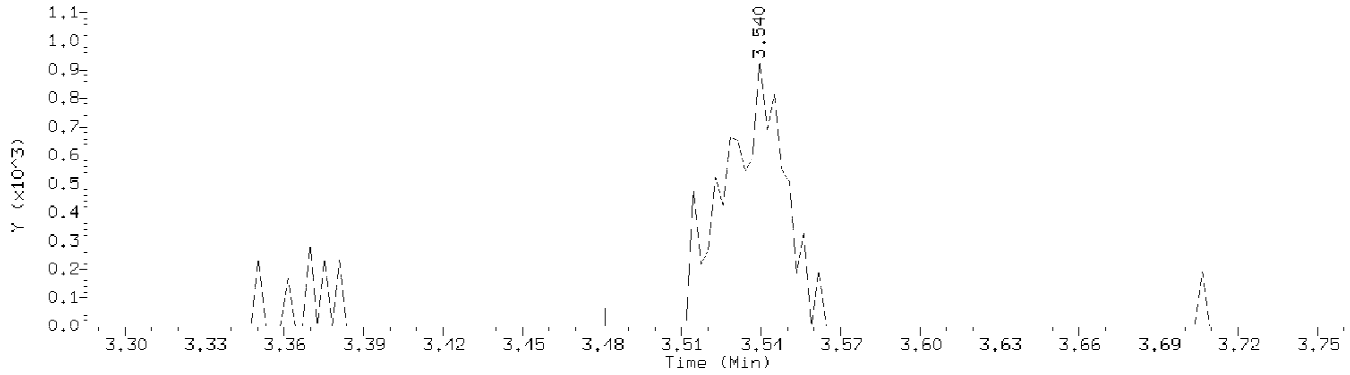
Manually Integrated Ion: 117 Area: 1528 Height: 920 (02-May-2014 15:45 dengelhardt)



Original Ion: 119 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)

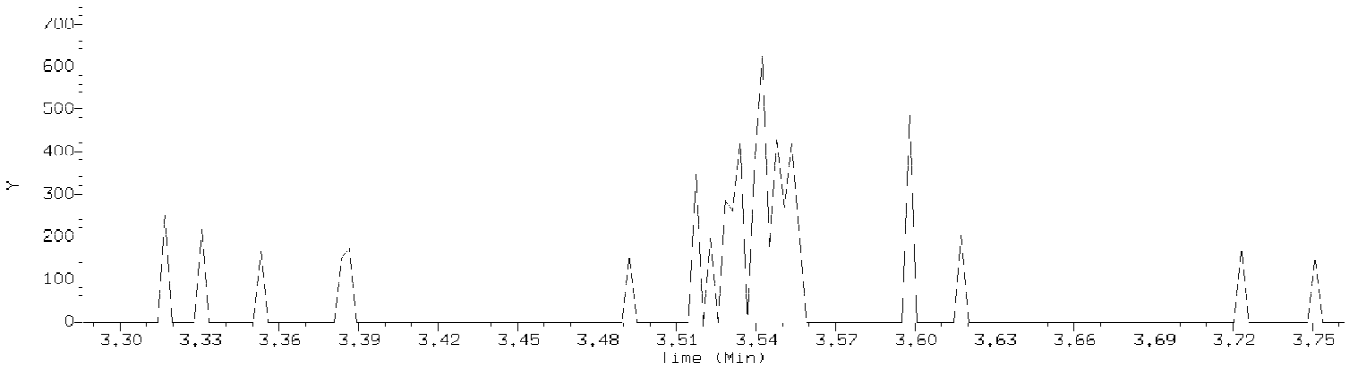


Manually Integrated Ion: 119 Area: 1433 Height: 933 (02-May-2014 15:45 dengelhardt)

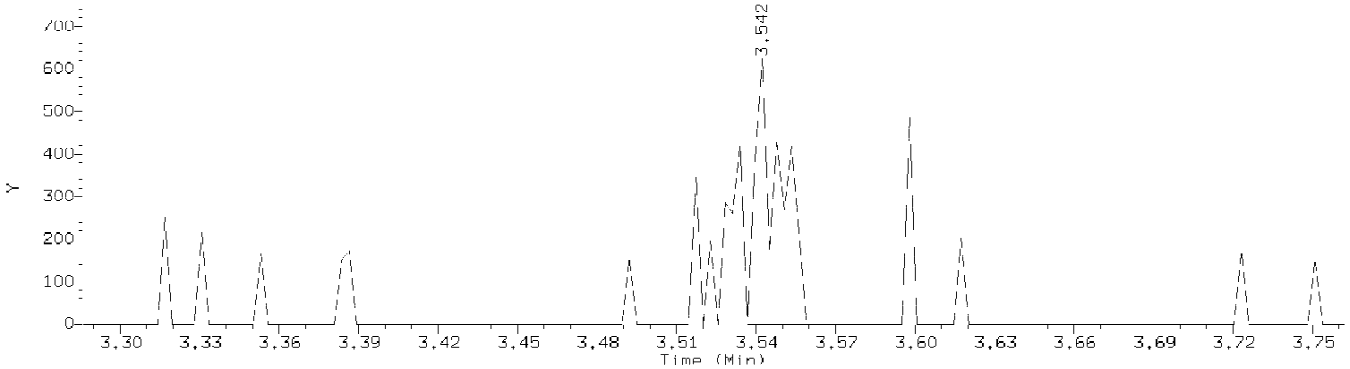


Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Original Ion: 121 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)



Manually Integrated Ion: 121 Area: 418 Height: 625 (02-May-2014 15:45 dengelhardt)



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CERTIFICATIONS

Project: E027039 / Allison Trans
Pace Project No.: 5096676

Indiana Certification IDs
7726 Moller Road, Indianapolis, IN 46268
Illinois Certification #: 200074
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky UST Certification #: 0042
Louisiana/NELAP Certification #: 04076
Ohio VAP Certification #: CL-0065
West Virginia Certification #: 330

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SAMPLE SUMMARY

Project: E027039 / Allison Trans
Pace Project No.: 5096676

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5096676001	TB-01 (042414)	Water	04/24/14 08:00	04/24/14 13:35
5096676002	PW-2-S3(042414)	Water	04/24/14 12:55	04/24/14 13:35

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SAMPLE ANALYTE COUNT

Project: E027039 / Allison Trans
Pace Project No.: 5096676

Lab ID	Sample ID	Method	Analysts	Analytes Reported
5096676001	**TB-01 (042414)**	EPA 8260	DAE	51
5096676002	**PW-2-S3(042414)**	EPA 8260	DAE	51

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5096676

Sample: TB-01 (042414) **Lab ID: 5096676001** Collected: 04/24/14 08:00 Received: 04/24/14 13:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		05/06/14 14:34	67-64-1	
Benzene	ND	ug/L	5.0	1		05/06/14 14:34	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		05/06/14 14:34	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/06/14 14:34	75-25-2	
Bromomethane	ND	ug/L	5.0	1		05/06/14 14:34	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		05/06/14 14:34	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		05/06/14 14:34	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		05/06/14 14:34	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/06/14 14:34	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/06/14 14:34	75-00-3	
Chloroform	ND	ug/L	5.0	1		05/06/14 14:34	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/06/14 14:34	74-87-3	
Cyclohexane	ND	ug/L	100	1		05/06/14 14:34	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		05/06/14 14:34	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		05/06/14 14:34	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		05/06/14 14:34	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		05/06/14 14:34	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		05/06/14 14:34	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		05/06/14 14:34	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/06/14 14:34	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		05/06/14 14:34	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		05/06/14 14:34	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		05/06/14 14:34	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		05/06/14 14:34	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		05/06/14 14:34	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		05/06/14 14:34	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/06/14 14:34	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/06/14 14:34	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/06/14 14:34	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		05/06/14 14:34	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		05/06/14 14:34	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		05/06/14 14:34	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		05/06/14 14:34	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		05/06/14 14:34	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		05/06/14 14:34	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		05/06/14 14:34	1634-04-4	
Styrene	ND	ug/L	5.0	1		05/06/14 14:34	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/06/14 14:34	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		05/06/14 14:34	127-18-4	
Toluene	ND	ug/L	5.0	1		05/06/14 14:34	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		05/06/14 14:34	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/06/14 14:34	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		05/06/14 14:34	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		05/06/14 14:34	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/06/14 14:34	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		05/06/14 14:34	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		05/06/14 14:34	75-01-4	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5096676

Sample: TB-01 (042414) **Lab ID: 5096676001** Collected: 04/24/14 08:00 Received: 04/24/14 13:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		05/06/14 14:34	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101	%.	79-116	1		05/06/14 14:34	1868-53-7	
4-Bromofluorobenzene (S)	97	%.	80-114	1		05/06/14 14:34	460-00-4	
Toluene-d8 (S)	102	%.	81-110	1		05/06/14 14:34	2037-26-5	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5096676

Sample: PW-2-S3(042414) **Lab ID: 5096676002** Collected: 04/24/14 12:55 Received: 04/24/14 13:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		05/06/14 15:07	67-64-1	
Benzene	ND	ug/L	5.0	1		05/06/14 15:07	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		05/06/14 15:07	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/06/14 15:07	75-25-2	
Bromomethane	ND	ug/L	5.0	1		05/06/14 15:07	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		05/06/14 15:07	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		05/06/14 15:07	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		05/06/14 15:07	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/06/14 15:07	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/06/14 15:07	75-00-3	
Chloroform	ND	ug/L	5.0	1		05/06/14 15:07	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/06/14 15:07	74-87-3	
Cyclohexane	ND	ug/L	100	1		05/06/14 15:07	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		05/06/14 15:07	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		05/06/14 15:07	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		05/06/14 15:07	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		05/06/14 15:07	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		05/06/14 15:07	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		05/06/14 15:07	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/06/14 15:07	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		05/06/14 15:07	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		05/06/14 15:07	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		05/06/14 15:07	75-35-4	
cis-1,2-Dichloroethene	**47.8**	ug/L	5.0	1		05/06/14 15:07	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		05/06/14 15:07	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		05/06/14 15:07	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/06/14 15:07	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/06/14 15:07	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/06/14 15:07	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		05/06/14 15:07	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		05/06/14 15:07	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		05/06/14 15:07	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		05/06/14 15:07	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		05/06/14 15:07	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		05/06/14 15:07	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		05/06/14 15:07	1634-04-4	
Styrene	ND	ug/L	5.0	1		05/06/14 15:07	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/06/14 15:07	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		05/06/14 15:07	127-18-4	
Toluene	ND	ug/L	5.0	1		05/06/14 15:07	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		05/06/14 15:07	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/06/14 15:07	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		05/06/14 15:07	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		05/06/14 15:07	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/06/14 15:07	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		05/06/14 15:07	76-13-1	
Vinyl chloride	**13.8**	ug/L	2.0	1		05/06/14 15:07	75-01-4	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5096676

Sample: PW-2-S3(042414) **Lab ID: 5096676002** Collected: 04/24/14 12:55 Received: 04/24/14 13:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		05/06/14 15:07	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	100	%.	79-116	1		05/06/14 15:07	1868-53-7	
4-Bromofluorobenzene (S)	96	%.	80-114	1		05/06/14 15:07	460-00-4	
Toluene-d8 (S)	100	%.	81-110	1		05/06/14 15:07	2037-26-5	

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QUALITY CONTROL DATA

Project: E027039 / Allison Trans
Pace Project No.: 5096676

QC Batch: MSV/64381 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 5096676001, 5096676002

METHOD BLANK: 1088989 Matrix: Water
Associated Lab Samples: 5096676001, 5096676002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	05/06/14 13:28	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	05/06/14 13:28	
1,1,2-Trichloroethane	ug/L	ND	5.0	05/06/14 13:28	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	5.0	05/06/14 13:28	
1,1-Dichloroethane	ug/L	ND	5.0	05/06/14 13:28	
1,1-Dichloroethene	ug/L	ND	5.0	05/06/14 13:28	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	05/06/14 13:28	
1,2-Dibromo-3-chloropropane	ug/L	ND	10.0	05/06/14 13:28	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	05/06/14 13:28	
1,2-Dichlorobenzene	ug/L	ND	5.0	05/06/14 13:28	
1,2-Dichloroethane	ug/L	ND	5.0	05/06/14 13:28	
1,2-Dichloropropane	ug/L	ND	5.0	05/06/14 13:28	
1,3-Dichlorobenzene	ug/L	ND	5.0	05/06/14 13:28	
1,4-Dichlorobenzene	ug/L	ND	5.0	05/06/14 13:28	
2-Butanone (MEK)	ug/L	ND	25.0	05/06/14 13:28	
2-Hexanone	ug/L	ND	25.0	05/06/14 13:28	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	05/06/14 13:28	
Acetone	ug/L	ND	100	05/06/14 13:28	
Benzene	ug/L	ND	5.0	05/06/14 13:28	
Bromodichloromethane	ug/L	ND	5.0	05/06/14 13:28	
Bromoform	ug/L	ND	5.0	05/06/14 13:28	
Bromomethane	ug/L	ND	5.0	05/06/14 13:28	
Carbon disulfide	ug/L	ND	10.0	05/06/14 13:28	
Carbon tetrachloride	ug/L	ND	5.0	05/06/14 13:28	
Chlorobenzene	ug/L	ND	5.0	05/06/14 13:28	
Chloroethane	ug/L	ND	5.0	05/06/14 13:28	
Chloroform	ug/L	ND	5.0	05/06/14 13:28	
Chloromethane	ug/L	ND	5.0	05/06/14 13:28	
cis-1,2-Dichloroethene	ug/L	ND	5.0	05/06/14 13:28	
cis-1,3-Dichloropropene	ug/L	ND	5.0	05/06/14 13:28	
Cyclohexane	ug/L	ND	100	05/06/14 13:28	N2
Dibromochloromethane	ug/L	ND	5.0	05/06/14 13:28	
Dichlorodifluoromethane	ug/L	ND	5.0	05/06/14 13:28	
Ethylbenzene	ug/L	ND	5.0	05/06/14 13:28	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	05/06/14 13:28	
Methyl acetate	ug/L	ND	50.0	05/06/14 13:28	N2
Methyl-tert-butyl ether	ug/L	ND	4.0	05/06/14 13:28	
Methylcyclohexane	ug/L	ND	50.0	05/06/14 13:28	N2
Methylene Chloride	ug/L	ND	5.0	05/06/14 13:28	
Styrene	ug/L	ND	5.0	05/06/14 13:28	
Tetrachloroethene	ug/L	ND	5.0	05/06/14 13:28	
Toluene	ug/L	ND	5.0	05/06/14 13:28	
trans-1,2-Dichloroethene	ug/L	ND	5.0	05/06/14 13:28	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: E027039 / Allison Trans
Pace Project No.: 5096676

METHOD BLANK: 1088989 Matrix: Water
Associated Lab Samples: 5096676001, 5096676002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
trans-1,3-Dichloropropene	ug/L	ND	5.0	05/06/14 13:28	
Trichloroethene	ug/L	ND	5.0	05/06/14 13:28	
Trichlorofluoromethane	ug/L	ND	5.0	05/06/14 13:28	
Vinyl chloride	ug/L	ND	2.0	05/06/14 13:28	
Xylene (Total)	ug/L	ND	10.0	05/06/14 13:28	
4-Bromofluorobenzene (S)	%.	97	80-114	05/06/14 13:28	
Dibromofluoromethane (S)	%.	102	79-116	05/06/14 13:28	
Toluene-d8 (S)	%.	101	81-110	05/06/14 13:28	

LABORATORY CONTROL SAMPLE: 1088990

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	49.2	98	71-129	
1,1,2,2-Tetrachloroethane	ug/L	50	45.8	92	66-126	
1,1,2-Trichloroethane	ug/L	50	48.6	97	77-130	
1,1,2-Trichlorotrifluoroethane	ug/L	50	46.9	94	68-139	
1,1-Dichloroethane	ug/L	50	40.5	81	75-130	
1,1-Dichloroethene	ug/L	50	46.7	93	68-127	
1,2,4-Trichlorobenzene	ug/L	50	58.9	118	68-131	
1,2-Dibromo-3-chloropropane	ug/L	50	40.7	81	64-124	
1,2-Dibromoethane (EDB)	ug/L	50	51.3	103	76-125	
1,2-Dichlorobenzene	ug/L	50	50.7	101	75-123	
1,2-Dichloroethane	ug/L	50	45.6	91	75-128	
1,2-Dichloropropane	ug/L	50	46.3	93	74-121	
1,3-Dichlorobenzene	ug/L	50	49.0	98	74-122	
1,4-Dichlorobenzene	ug/L	50	48.0	96	76-120	
2-Butanone (MEK)	ug/L	250	225	90	58-139	
2-Hexanone	ug/L	250	242	97	54-140	
4-Methyl-2-pentanone (MIBK)	ug/L	250	239	95	58-138	
Acetone	ug/L	250	282	113	49-150	
Benzene	ug/L	50	44.3	89	74-122	
Bromodichloromethane	ug/L	50	48.2	96	62-136	
Bromoform	ug/L	50	40.8	82	44-134	
Bromomethane	ug/L	50	66.5	133	22-181	
Carbon disulfide	ug/L	100	94.0	94	59-132	
Carbon tetrachloride	ug/L	50	52.4	105	56-137	
Chlorobenzene	ug/L	50	49.6	99	78-123	
Chloroethane	ug/L	50	61.5	123	60-144	
Chloroform	ug/L	50	43.8	88	78-126	
Chloromethane	ug/L	50	47.6	95	42-134	
cis-1,2-Dichloroethene	ug/L	50	43.8	88	75-122	
cis-1,3-Dichloropropene	ug/L	50	45.8	92	64-126	
Cyclohexane	ug/L	50	ND	96	62-119	N2
Dibromochloromethane	ug/L	50	45.6	91	58-128	
Dichlorodifluoromethane	ug/L	50	63.0	126	35-181	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: E027039 / Allison Trans
Pace Project No.: 5096676

LABORATORY CONTROL SAMPLE: 1088990

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Ethylbenzene	ug/L	50	49.2	98	66-133	
Isopropylbenzene (Cumene)	ug/L	50	54.5	109	69-124	
Methyl acetate	ug/L	50	ND	94	10-142	N2
Methyl-tert-butyl ether	ug/L	100	89.7	90	69-122	
Methylcyclohexane	ug/L	50	52.0	104	63-130	N2
Methylene Chloride	ug/L	50	48.5	97	68-132	
Styrene	ug/L	50	52.9	106	74-126	
Tetrachloroethene	ug/L	50	50.0	100	69-130	
Toluene	ug/L	50	48.8	98	72-122	
trans-1,2-Dichloroethene	ug/L	50	45.9	92	72-124	
trans-1,3-Dichloropropene	ug/L	50	44.6	89	64-121	
Trichloroethene	ug/L	50	45.2	90	76-126	
Trichlorofluoromethane	ug/L	50	52.1	104	76-149	
Vinyl chloride	ug/L	50	48.3	97	59-126	
Xylene (Total)	ug/L	150	151	101	70-124	
4-Bromofluorobenzene (S)	%.			99	80-114	
Dibromofluoromethane (S)	%.			95	79-116	
Toluene-d8 (S)	%.			103	81-110	

MATRIX SPIKE SAMPLE: 1089143

Parameter	Units	5096756003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	50	49.1	98	60-138	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	45.8	92	55-128	
1,1,2-Trichloroethane	ug/L	ND	50	47.0	94	61-139	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	50	48.0	96	55-151	
1,1-Dichloroethane	ug/L	ND	50	41.4	83	57-147	
1,1-Dichloroethene	ug/L	ND	50	49.4	99	55-145	
1,2,4-Trichlorobenzene	ug/L	ND	50	56.2	112	25-143	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	38.7	77	37-130	
1,2-Dibromoethane (EDB)	ug/L	ND	50	48.6	97	63-129	
1,2-Dichlorobenzene	ug/L	ND	50	49.0	98	38-136	
1,2-Dichloroethane	ug/L	ND	50	45.0	90	62-138	
1,2-Dichloropropane	ug/L	ND	50	46.0	92	59-130	
1,3-Dichlorobenzene	ug/L	ND	50	47.3	95	28-141	
1,4-Dichlorobenzene	ug/L	ND	50	47.8	96	30-139	
2-Butanone (MEK)	ug/L	ND	250	202	81	37-156	
2-Hexanone	ug/L	ND	250	226	90	44-143	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	228	91	46-144	
Acetone	ug/L	ND	250	228	91	39-156	
Benzene	ug/L	ND	50	44.1	88	62-129	
Bromodichloromethane	ug/L	ND	50	46.9	94	50-142	
Bromoform	ug/L	ND	50	37.7	75	36-125	
Bromomethane	ug/L	ND	50	53.4	107	13-179	
Carbon disulfide	ug/L	ND	100	98.5	99	45-142	
Carbon tetrachloride	ug/L	ND	50	52.8	106	46-142	
Chlorobenzene	ug/L	ND	50	48.6	97	49-136	

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QUALITY CONTROL DATA

Project: E027039 / Allison Trans
Pace Project No.: 5096676

MATRIX SPIKE SAMPLE: 1089143

Parameter	Units	5096756003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloroethane	ug/L	ND	50	39.2	78	47-160	
Chloroform	ug/L	ND	50	43.6	87	54-150	
Chloromethane	ug/L	ND	50	47.7	95	30-148	
cis-1,2-Dichloroethene	ug/L	ND	50	44.3	89	60-135	
cis-1,3-Dichloropropene	ug/L	ND	50	41.6	83	52-123	
Cyclohexane	ug/L	ND	50	51.0J	102	43-135	N2
Dibromochloromethane	ug/L	ND	50	41.4	83	48-125	
Dichlorodifluoromethane	ug/L	ND	50	63.4	127	24-197	
Ethylbenzene	ug/L	ND	50	50.0	99	28-153	
Isopropylbenzene (Cumene)	ug/L	ND	50	54.3	109	18-152	
Methyl acetate	ug/L	ND	50	ND	84	10-125	N2
Methyl-tert-butyl ether	ug/L	ND	100	88.9	89	63-130	
Methylcyclohexane	ug/L	ND	50	52.8	106	32-155	N2
Methylene Chloride	ug/L	ND	50	49.1	98	45-156	
Styrene	ug/L	ND	50	51.5	103	36-139	
Tetrachloroethene	ug/L	ND	50	49.8	100	33-151	
Toluene	ug/L	ND	50	48.8	98	50-132	
trans-1,2-Dichloroethene	ug/L	ND	50	46.8	94	40-153	
trans-1,3-Dichloropropene	ug/L	ND	50	39.8	80	48-122	
Trichloroethene	ug/L	ND	50	45.8	92	50-143	
Trichlorofluoromethane	ug/L	ND	50	55.8	112	60-175	
Vinyl chloride	ug/L	ND	50	46.1	92	44-145	
Xylene (Total)	ug/L	ND	150	149	99	29-145	
4-Bromofluorobenzene (S)	%.				99	80-114	
Dibromofluoromethane (S)	%.				97	79-116	
Toluene-d8 (S)	%.				105	81-110	

SAMPLE DUPLICATE: 1089142

Parameter	Units	5096756001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	ND		20	
1,1,2,2-Tetrachloroethane	ug/L	ND	ND		20	
1,1,2-Trichloroethane	ug/L	ND	ND		20	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	ND		20	
1,1-Dichloroethane	ug/L	ND	ND		20	
1,1-Dichloroethene	ug/L	ND	ND		20	
1,2,4-Trichlorobenzene	ug/L	ND	ND		20	
1,2-Dibromo-3-chloropropane	ug/L	ND	ND		20	
1,2-Dibromoethane (EDB)	ug/L	ND	ND		20	
1,2-Dichlorobenzene	ug/L	ND	ND		20	
1,2-Dichloroethane	ug/L	ND	ND		20	
1,2-Dichloropropane	ug/L	ND	ND		20	
1,3-Dichlorobenzene	ug/L	ND	ND		20	
1,4-Dichlorobenzene	ug/L	ND	ND		20	
2-Butanone (MEK)	ug/L	ND	ND		20	
2-Hexanone	ug/L	ND	ND		20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	ND		20	

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QUALITY CONTROL DATA

Project: E027039 / Allison Trans
Pace Project No.: 5096676

SAMPLE DUPLICATE: 1089142

Parameter	Units	5096756001 Result	Dup Result	RPD	Max RPD	Qualifiers
Acetone	ug/L	ND	ND		20	
Benzene	ug/L	ND	ND		20	
Bromodichloromethane	ug/L	ND	ND		20	
Bromoform	ug/L	ND	ND		20	
Bromomethane	ug/L	ND	ND		20	
Carbon disulfide	ug/L	ND	ND		20	
Carbon tetrachloride	ug/L	ND	ND		20	
Chlorobenzene	ug/L	ND	ND		20	
Chloroethane	ug/L	ND	ND		20	
Chloroform	ug/L	ND	ND		20	
Chloromethane	ug/L	ND	ND		20	
cis-1,2-Dichloroethene	ug/L	ND	ND		20	
cis-1,3-Dichloropropene	ug/L	ND	ND		20	
Cyclohexane	ug/L	ND	ND		20	N2
Dibromochloromethane	ug/L	ND	ND		20	
Dichlorodifluoromethane	ug/L	ND	ND		20	
Ethylbenzene	ug/L	ND	ND		20	
Isopropylbenzene (Cumene)	ug/L	ND	ND		20	
Methyl acetate	ug/L	ND	ND		20	N2
Methyl-tert-butyl ether	ug/L	ND	ND		20	
Methylcyclohexane	ug/L	ND	ND		20	N2
Methylene Chloride	ug/L	ND	ND		20	
Styrene	ug/L	ND	ND		20	
Tetrachloroethene	ug/L	ND	ND		20	
Toluene	ug/L	ND	ND		20	
trans-1,2-Dichloroethene	ug/L	ND	ND		20	
trans-1,3-Dichloropropene	ug/L	ND	ND		20	
Trichloroethene	ug/L	ND	ND		20	
Trichlorofluoromethane	ug/L	ND	ND		20	
Vinyl chloride	ug/L	ND	ND		20	
Xylene (Total)	ug/L	ND	ND		20	
4-Bromofluorobenzene (S)	%.	93	96	2		
Dibromofluoromethane (S)	%.	104	104	0		
Toluene-d8 (S)	%.	98	101	3		

REPORT OF LABORATORY ANALYSIS

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1233 Dublin Road
Columbus, OH 43215
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: E027039 / Allison Trans
Pace Project No.: 5096676

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

N2 The lab does not hold TNI accreditation for this parameter.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: E027039 / Allison Trans
Pace Project No.: 5096676

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
5096676001	**TB-01 (042414)**	EPA 8260	MSV/64381		
5096676002	**PW-2-S3(042414)**	EPA 8260	MSV/64381		

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GM REALM ENCORE

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

PAGE 1 OF 1

10A

ID # № 03680

SSOW Ref. Code: E027039

Required Client Information:

Company: ARCADIS	Report To: Heather Gastineau-Lyons
Address: 132 E Washington St ste 600 Indpls, IN	Copy To: Sarah Fisher
	Invoice To:
	P.O.:
Phone: 317-231-6500	Project Name: Allison Transmission
Fax: 317-231-6514	Project Number: IN000473.0014
E-mail: Heather.gastineau-lyons@arcadis-us.com	

Laboratory: Pace Analytical	
Laboratory Location: Indianapolis, IN	
Laboratory Contact: Donna Spyker	
Requested Due Date: Std	TAT: Std
QA/QC Requirements: Level IV QAQC	

S096676

Valid Matrix Codes:
WG Groundwater
WB Borehole Water
WS Surface Water
SO Soil
SE Sediment
See Back for Additional Codes

Preservative

Analysis and Method

	Sample Identification: 24 5/1/14	Matrix Code	Date Collected	Time Collected	# Containers	Unpreserved	HCl	H2SO4	HNO3	NaOH	Other:	VOC 8260	Remarks/Lab ID
1.	TB-01 (042314) LM	WQ	4.23.14	—	3		X					X	-001
2.	~~PW-2 (042314)~~ PW-2-S3 (042414)	WG	4.23.14	1255	3		X					X	-002
3.	ID correction per Heather		4-24-14										
4.	5/1/14												
5.			5/1/14										
6.													
7.													
8.													
9.													
10.													
11.													
12.													
13.													
14.													
15.													

TOTAL NUMBER OF CONTAINERS

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY / AFFILIATION	DATE	TIME	RECEIVED BY / AFFILIATION	DATE	TIME
		[signature] / ARCADIS	4.24.14	1:35 pm	[signature]	4/24/14	1:35 pm
AIRBILL NO.							

Sample Condition

Temp in °C	0.7
Received on Ice	(Y) / N
Sealed Cooler	(Y) N
Samples Intact	(Y) / N

Additional Comments:

WI/Pace 4-24-14 1521 Klee

Sampler Name: Luke Martin

Sampler Signature: [signature] Date: 4.23.14

Distribution: WHITE - Fully Executed Copy YELLOW - Receiving Laboratory Copy PINK - Sampler Copy

Reference 23 Page 815

Sample Condition Upon Receipt

Pace Analytical

Client Name: Arcadis Project # 50966 76

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☒ Pace Other _____

Tracking #: _____

Custody Seal on Cooler/Box Present: ☒ yes ☐ no **Seals intact:** ☑ yes ☐ no

Date/Time 5035A kits placed in freezer _____

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ None ☒ Other foam

Thermometer Used 1 2 3 4 6 A B C D E **Type of Ice:** (Wet) Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature 0.7°C **Ice Visible in Sample Containers:** ☐ yes ☒ no

(Corrected, if applicable)

Temp should be above freezing to 6°C

Comments:

Date and initials of person examining contents: Lee 4-24-14

Chain of Custody Present:	☑Yes	☐No	☐N/A	1.
Chain of Custody Filled Out:	☑Yes	☐No	☐N/A	2.
Chain of Custody Relinquished:	☑Yes	☐No	☐N/A	3.
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A	4.
Short Hold Time Analysis (<72hr):	☐Yes	☑No	☐N/A	5.
Rush Turn Around Time Requested:	☐Yes	☑No	☐N/A	6.
Containers Intact:	☑Yes	☐No	☐N/A	7.
Sample Labels match COC: -Includes date/time/ID/Analysis	☑Yes	☐No	☐N/A	8.
All containers needing acid/base pres. have been checked? exceptions: VOA, coliform, TOC, O&G	☐Yes	☐No	☑N/A	9. (Circle) HNO3 H2SO4 NaOH HCl
All containers needing preservation are found to be in compliance with EPA recommendation (<2, >9, >12) unless otherwise noted.				
Headspace in VOA Vials (>6mm):	☐Yes	☑No	☐N/A	10.
Trip Blank Present:	☑Yes	☐No	☐N/A	11. Lee 4-24-14
Trip Blank Custody Seals Present	☑Yes	☐No	☐N/A	
Project Manager Review				
Samples Arrived within Hold Time:	☑Yes	☐No	☐N/A	12.
Sufficient Volume:	☑Yes	☐No	☐N/A	13.
Correct Containers Used:	☑Yes	☐No	☐N/A	14.

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: T. Layer **Date:** 4/24/14

Form F-IN-Q-290-rev.05, 10Sep2013

Sample Container Count

CLIENT: Arcadis

COC PAGE 1 of 1
COC ID# 03680

Project # 50916676

Sample Line Item	DG9H	AG1U	WGFU	AG0U	R 4/6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	BP3C	BP1U	SPST		pH <2	pH>12	Comments
1	3																			
2	3																			
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				

Container Codes

DG9H	40mL HCL amber voa vial	AG0U	100mL unpreserved amber gl	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber gla	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber g	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	I	Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber g	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber g	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gl	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

MSV - FORM II VOA-1
WATER VOLATILE SURROGATE RECOVERY

Lab Name: Pace Analytical - Indiana SDG No.: 5096676 Contract: E027039 / Allison Trans

Instrument ID: 50MV2B

LAB SAMPLE ID	SAMPLE NAME	BFB	DIBF	TOL8
1088989	1088989BLANK	97	102	101
1088990	1088990LCS	99	95	103
5096676001	TB-01 (042414)	97	101	102
5096676002	PW-2-S3(042414)	96	100	100

	QC LIMITS
(BFB) = 4-Bromofluorobenzene (S)	(80-114)
(DIBF) = Dibromofluoromethane (S)	(79-116)
(TOL8) = Toluene-d8 (S)	(81-110)

* Values outside of QC Limits

MSV - FORM III VOA-1

WATER LABORATORY CONTROL SAMPLE RECOVERY

Lab Name: Pace Analytical - Indiana
Lab Sample ID: 1088990LCS
Date Extracted: 05/06/2014
Date Analyzed (1): 05/06/2014
Instrument: 50MV2B
LCS Lot No: 65557
Lab File ID: B050614.B\B02LCS.D
SDG No.: 5096676

COMPOUND	AMOUNT ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS %REC	QC LIMITS REC.
Acetone	250	282	113	49-150
Benzene	50.0	44.3	89	74-122
Bromodichloromethane	50.0	48.2	96	62-136
Bromoform	50.0	40.8	82	44-134
Bromomethane	50.0	66.5	133	22-181
2-Butanone (MEK)	250	225	90	58-139
Carbon disulfide	100	94.0	94	59-132
Carbon tetrachloride	50.0	52.4	105	56-137
Chlorobenzene	50.0	49.6	99	78-123
Chloroethane	50.0	61.5	123	60-144
Chloroform	50.0	43.8	88	78-126
Chloromethane	50.0	47.6	95	42-134
Cyclohexane	50.0	ND	96	62-119
1,2-Dibromo-3-chloropropane	50.0	40.7	81	64-124
Dibromochloromethane	50.0	45.6	91	58-128
1,2-Dibromoethane (EDB)	50.0	51.3	103	76-125
1,2-Dichlorobenzene	50.0	50.7	101	75-123
1,3-Dichlorobenzene	50.0	49.0	98	74-122
1,4-Dichlorobenzene	50.0	48.0	96	76-120
Dichlorodifluoromethane	50.0	63.0	126	35-181
1,1-Dichloroethane	50.0	40.5	81	75-130
1,2-Dichloroethane	50.0	45.6	91	75-128
1,1-Dichloroethene	50.0	46.7	93	68-127
cis-1,2-Dichloroethene	50.0	43.8	88	75-122
trans-1,2-Dichloroethene	50.0	45.9	92	72-124
1,2-Dichloropropane	50.0	46.3	93	74-121
cis-1,3-Dichloropropene	50.0	45.8	92	64-126
trans-1,3-Dichloropropene	50.0	44.6	89	64-121
Ethylbenzene	50.0	49.2	98	66-133
2-Hexanone	250	242	97	54-140
Isopropylbenzene (Cumene)	50.0	54.5	109	69-124
Methyl acetate	50.0	ND	94	10-142
Methylcyclohexane	50.0	52.0	104	63-130
Methylene Chloride	50.0	48.5	97	68-132
4-Methyl-2-pentanone (MIBK)	250	239	95	58-138
Methyl-tert-butyl ether	100	89.7	90	69-122
Styrene	50.0	52.9	106	74-126
1,1,2,2-Tetrachloroethane	50.0	45.8	92	66-126
Tetrachloroethene	50.0	50.0	100	69-130
Toluene	50.0	48.8	98	72-122
1,2,4-Trichlorobenzene	50.0	58.9	118	68-131
1,1,1-Trichloroethane	50.0	49.2	98	71-129
1,1,2-Trichloroethane	50.0	48.6	97	77-130
Trichloroethene	50.0	45.2	90	76-126
Trichlorofluoromethane	50.0	52.1	104	76-149
1,1,2-Trichlorotrifluoroethane	50.0	46.9	94	68-139
Vinyl chloride	50.0	48.3	97	59-126

05/16/2014 1:00

MSV - FORM III VOA-2

WATER LABORATORY CONTROL SAMPLE RECOVERY

Lab Name: Pace Analytical - Indiana
Lab Sample ID: 1088990LCS
Date Extracted: 05/06/2014
Date Analyzed (1): 05/06/2014
Instrument: 50MV2B
LCS Lot No: 65557
Lab File ID: B050614.B\B02LCS.D
SDG No.: 5096676

COMPOUND	AMOUNT ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS %REC	QC LIMITS REC.
Xylene (Total)	150	151	101	70-124

Spike Recovery: 0 out of 48 outside limits.

MSV - FORM III VOA-1

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Pace Analytical - Indiana
Matrix Spike - Sample No: 1089143MS
Date Extracted: 05/06/2014
Date Analyzed (1): 05/06/2014
Instrument: 50MV2B
Lab File ID: B050614.B\B21.D
Parent Sample ID: 5096756003
SDG No.: 5096676

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (ug/L)	MS %REC	QC LIMITS REC.
1,1,1-Trichloroethane	50.0	ND	49.1	98	60-138
1,1,2,2-Tetrachloroethane	50.0	ND	45.8	92	55-128
1,1,2-Trichloroethane	50.0	ND	47.0	94	61-139
1,1,2-Trichlorotrifluoroethane	50.0	ND	48.0	96	55-151
1,1-Dichloroethane	50.0	ND	41.4	83	57-147
1,1-Dichloroethene	50.0	ND	49.4	99	55-145
1,2,4-Trichlorobenzene	50.0	ND	56.2	112	25-143
1,2-Dibromo-3-chloropropane	50.0	ND	38.7	77	37-130
1,2-Dibromoethane (EDB)	50.0	ND	48.6	97	63-129
1,2-Dichlorobenzene	50.0	ND	49.0	98	38-136
1,2-Dichloroethane	50.0	ND	45.0	90	62-138
1,2-Dichloropropane	50.0	ND	46.0	92	59-130
1,3-Dichlorobenzene	50.0	ND	47.3	95	28-141
1,4-Dichlorobenzene	50.0	ND	47.8	96	30-139
2-Butanone (MEK)	250	ND	202	81	37-156
2-Hexanone	250	ND	226	90	44-143
4-Methyl-2-pentanone (MIBK)	250	ND	228	91	46-144
Acetone	250	ND	228	91	39-156
Benzene	50.0	ND	44.1	88	62-129
Bromodichloromethane	50.0	ND	46.9	94	50-142
Bromoform	50.0	ND	37.7	75	36-125
Bromomethane	50.0	ND	53.4	107	13-179
Carbon disulfide	100	ND	98.5	99	45-142
Carbon tetrachloride	50.0	ND	52.8	106	46-142
Chlorobenzene	50.0	ND	48.6	97	49-136
Chloroethane	50.0	ND	39.2	78	47-160
Chloroform	50.0	ND	43.6	87	54-150
Chloromethane	50.0	ND	47.7	95	30-148
Cyclohexane	50.0	ND	51.0J	102	43-135
Dibromochloromethane	50.0	ND	41.4	83	48-125
Dichlorodifluoromethane	50.0	ND	63.4	127	24-197
Ethylbenzene	50.0	ND	50.0	99	28-153
Isopropylbenzene (Cumene)	50.0	ND	54.3	109	18-152
Methyl acetate	50.0	ND	ND	84	10-125
Methyl-tert-butyl ether	100	ND	88.9	89	63-130
Methylcyclohexane	50.0	ND	52.8	106	32-155
Methylene Chloride	50.0	ND	49.1	98	45-156
Styrene	50.0	ND	51.5	103	36-139
Tetrachloroethene	50.0	ND	49.8	100	33-151
Toluene	50.0	ND	48.8	98	50-132
Trichloroethene	50.0	ND	45.8	92	50-143
Trichlorofluoromethane	50.0	ND	55.8	112	60-175
Vinyl chloride	50.0	ND	46.1	92	44-145
Xylene (Total)	150	ND	149	99	29-145
cis-1,2-Dichloroethene	50.0	ND	44.3	89	60-135
cis-1,3-Dichloropropene	50.0	ND	41.6	83	52-123
trans-1,2-Dichloroethene	50.0	ND	46.8	94	40-153

MSV - FORM III VOA-2

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Pace Analytical - Indiana
Matrix Spike - Sample No: 1089143MS
Date Extracted: 05/06/2014
Date Analyzed (1): 05/06/2014
Instrument: 50MV2B
Lab File ID: B050614.B\B21.D
Parent Sample ID: 5096756003
SDG No.: 5096676

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (ug/L)	MS %REC	QC LIMITS REC.
trans-1,3-Dichloropropene	50.0	ND	39.8	80	48-122

Spike Recovery: 0 out of 48 outside limits.

MSV - FORM III VOA-1

WATER VOLATILE SAMPLE/DUPLICATE RECOVERY

Lab Name: Pace Analytical - Indiana
Duplicate Sample No: 5096756001DUP
Date Extracted: 05/06/2014
Date Analyzed: 05/06/2014
Instrument 50MV2B
Lab File ID: B050614.B\B18.D
Lab Sample ID: 5096756001
SDG No.: 5096676

COMPOUND	SAMPLE CONCENTRATION (mg/L)	DUPLICATE CONCENTRATION (ug/L)	RPD	RPD LIMITS
1,1,1-Trichloroethane	ND	ND		0-20
1,1,2,2-Tetrachloroethane	ND	ND		0-20
1,1,2-Trichloroethane	ND	ND		0-20
1,1,2-Trichlorotrifluoroethane	ND	ND		0-20
1,1-Dichloroethane	ND	ND		0-20
1,1-Dichloroethene	ND	ND		0-20
1,2,4-Trichlorobenzene	ND	ND		0-20
1,2-Dibromo-3-chloropropane	ND	ND		0-20
1,2-Dibromoethane (EDB)	ND	ND		0-20
1,2-Dichlorobenzene	ND	ND		0-20
1,2-Dichloroethane	ND	ND		0-20
1,2-Dichloropropane	ND	ND		0-20
1,3-Dichlorobenzene	ND	ND		0-20
1,4-Dichlorobenzene	ND	ND		0-20
2-Butanone (MEK)	ND	ND		0-20
2-Hexanone	ND	ND		0-20
4-Methyl-2-pentanone (MIBK)	ND	ND		0-20
Acetone	ND	ND		0-20
Benzene	ND	ND		0-20
Bromodichloromethane	ND	ND		0-20
Bromoform	ND	ND		0-20
Bromomethane	ND	ND		0-20
Carbon disulfide	ND	ND		0-20
Carbon tetrachloride	ND	ND		0-20
Chlorobenzene	ND	ND		0-20
Chloroethane	ND	ND		0-20
Chloroform	ND	ND		0-20
Chloromethane	ND	ND		0-20
Cyclohexane	ND	ND		0-20
Dibromochloromethane	ND	ND		0-20
Dichlorodifluoromethane	ND	ND		0-20
Ethylbenzene	ND	ND		0-20
Isopropylbenzene (Cumene)	ND	ND		0-20
Methyl acetate	ND	ND		0-20
Methyl-tert-butyl ether	ND	ND		0-20
Methylcyclohexane	ND	ND		0-20
Methylene Chloride	ND	ND		0-20
Styrene	ND	ND		0-20
Tetrachloroethene	ND	ND		0-20
Toluene	ND	ND		0-20
Trichloroethene	ND	ND		0-20
Trichlorofluoromethane	ND	ND		0-20
Vinyl chloride	ND	ND		0-20
Xylene (Total)	ND	ND		0-20
cis-1,2-Dichloroethene	ND	ND		0-20

RPD: ____ out of __0__ outside limits.

05/16/2014 1:00

MSV - FORM III VOA-2

WATER VOLATILE SAMPLE/DUPLICATE RECOVERY

Lab Name: Pace Analytical - Indiana
Duplicate Sample No: 5096756001DUP
Date Extracted: 05/06/2014
Date Analyzed: 05/06/2014
Instrument 50MV2B
Lab File ID: B050614.B\B18.D
Lab Sample ID: 5096756001
SDG No.: 5096676

COMPOUND	SAMPLE CONCENTRATION (mg/L)	DUPLICATE CONCENTRATION (ug/L)	RPD	RPD LIMITS
cis-1,3-Dichloropropene	ND	ND		0-20
trans-1,2-Dichloroethene	ND	ND		0-20
trans-1,3-Dichloropropene	ND	ND		0-20

RPD: ____ out of __0__ outside limits.

05/16/2014 1:00

MSV - FORM IV VOA-1
VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.
1088989BLANK

Lab Name: Pace Analytical - Indiana SDG No.: 5096676 Contract: E027039 / Allison Trans

Instrument ID: 50MV2B Matrix: Water Lab Sample ID: 1088989

Lab File ID: B050614.B\B04MB.D Date Analyzed: 05/06/2014 Time:13:28

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	ANALYZED
1088990LCS	1088990	B050614.B\B02LCS.D	05/06/2014 12:21
TB-01 (042414)	5096676001	B050614.B\B06.D	05/06/2014 14:34
PW-2-S3(042414)	5096676002	B050614.B\B07.D	05/06/2014 15:07
1089142DUP	1089142	B050614.B\B18.D	05/06/2014 21:13

MSV - FORM V VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Pace Analytical - Indiana SDG No.: 5096676 Contract: E027039 / Allison Trans
Lab File ID: B050214CAL.B\B00BFB.D BFB Injection Date: 05/02/2014
Instrument ID: 50MV2B BFB Injection Time: 10:18

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.00 - 40.00% of mass 95	18.84	
75	30.00 - 60.00% of mass 95	51.15	
95	Base Peak, 100.00% relative abundance	100.00	
96	5.00 - 9.00% of mass 95	5.31	
173	Less than 2.00% of mass 174	0.00	
174	50.00 - 100.00% of mass 95	82.43	
175	5.00 - 9.00% of mass 174	6.32	(7.67)[1]
176	95.00 - 101.00% of mass 174	81.18	(98.48)[1]
177	5.00 - 9.00% of mass 176	5.04	(6.21)[2]

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

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
6719126CAL1	6719126CAL1	B050214CAL.B\B02CAL1.D	05/02/2014	11:25
6719133CAL2	6719133CAL2	B050214CAL.B\B03CAL2.D	05/02/2014	11:59
6719125CAL3	6719125CAL3	B050214CAL.B\B04CAL3.D	05/02/2014	12:32
6719131CAL4	6719131CAL4	B050214CAL.B\B05CAL4.D	05/02/2014	13:06
6719130CAL5	6719130CAL5	B050214CAL.B\B06CAL5.D	05/02/2014	13:39
6719122CCV	6719122CCV	B050214CAL.B\B07CCV.D	05/02/2014	14:13
6719127CAL6	6719127CAL6	B050214CAL.B\B07CAL6.D	05/02/2014	14:13
6719128CAL7	6719128CAL7	B050214CAL.B\B08CAL7.D	05/02/2014	14:46
6719121CAL8	6719121CAL8	B050214CAL.B\B09CAL8.D	05/02/2014	15:20
6719132ICV	6719132ICV	B050214CAL.B\B11ICV.D	05/02/2014	16:27

MSV - FORM V VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Pace Analytical - Indiana SDG No.: 5096676 Contract: E027039 / Allison Trans
Lab File ID: B050614.B\B00BFB.D BFB Injection Date: 05/06/2014
Instrument ID: 50MV2B BFB Injection Time: 11:14

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.00 - 40.00% of mass 95	17.68	
75	30.00 - 60.00% of mass 95	51.73	
95	Base Peak, 100.00% relative abundance	100.00	
96	5.00 - 9.00% of mass 95	6.00	
173	Less than 2.00% of mass 174	0.00	
174	50.00 - 100.00% of mass 95	80.78	
175	5.00 - 9.00% of mass 174	4.37	(5.41)[1]
176	95.00 - 101.00% of mass 174	80.97	(100.24)[1]
177	5.00 - 9.00% of mass 176	5.35	(6.61)[2]

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

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
6728443CCV	6728443CCV	B050614.B\B01CCV.D	05/06/2014	11:48
1088990LCS	1088990LCS	B050614.B\B02LCS.D	05/06/2014	12:21
1088989BLANK	1088989BLANK	B050614.B\B04MB.D	05/06/2014	13:28
TB-01 (042414)	5096676001	B050614.B\B06.D	05/06/2014	14:34
PW-2-S3(042414)	5096676002	B050614.B\B07.D	05/06/2014	15:07

MSV - FORM VI VOA-1

MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MV2B GC Column: Col 1 SDG No.: 5096676

Calibration Date(s): 05/02/2014 05/02/2014 Calibration Time(s): 11:25 15:20

LAB FILE ID

CAL1 = B050214CAL.B\B02CAL1.D CAL2 = B050214CAL.B\B03CAL2.D CAL3 = B050214CAL.B\B04CAL3.D

CAL4 = B050214CAL.B\B05CAL4.D CAL5 = B050214CAL.B\B06CAL5.D CAL6 = B050214CAL.B\B07CAL6.D

CAL7 = B050214CAL.B\B08CAL7.D CAL8 = B050214CAL.B\B09CAL8.D

COMPOUND	CURVE TYPE	CAL1	CAL2	CAL3	CAL4	CAL5	CAL6
Acetone	Linear	0.13649	0.11548	0.07877	0.08859	0.08145	0.07749
Benzene	Averaged	1.69323	1.33908	1.01150	1.24786	1.16844	1.15049
Bromodichloromethane	Averaged	0.40442	0.39320	0.32178	0.38456	0.37262	0.39649
Bromoform	Linear	0.26514	0.25441	0.24781	0.25479	0.29287	0.35117
Bromomethane	Averaged	0.10616	0.09823	0.12310	0.11680	0.11474	0.09825
2-Butanone (MEK)	Averaged	0.17307	0.16323	0.12531	0.14708	0.15094	0.14645
Carbon disulfide	Averaged	0.90297	0.74513	0.57902	0.70538	0.64412	0.63505
Carbon tetrachloride	Averaged	0.45438	0.42205	0.34399	0.42957	0.39252	0.44137
Chlorobenzene	Averaged	1.42374	1.19413	0.97937	1.20951	1.13657	1.10268
Chloroethane	Linear	0.54389	0.23906	0.28399	0.20493	0.16235	0.16672
Chloroform	Averaged	0.85791	0.73063	0.58854	0.70662	0.61927	0.59609
Chloromethane	Averaged	0.47252	0.34572	0.34944	0.31581	0.29626	0.29667
Cyclohexane	Averaged	0.72529	0.60238	0.48221	0.56529	0.52871	0.54189
1,2-Dibromo-3-chloropropane	Linear	0.12032	0.09479	0.06302	0.09152	0.11080	0.12393
Dibromochloromethane	Linear	0.31721	0.25612	0.20503	0.26242	0.27010	0.34641
1,2-Dibromoethane (EDB)	Averaged	0.42393	0.34113	0.25503	0.33443	0.33089	0.36479
1,2-Dichlorobenzene	Averaged	1.88118	1.43722	1.29299	1.55237	1.46932	1.44485
1,3-Dichlorobenzene	Averaged	1.94170	1.82755	1.36205	1.70012	1.64577	1.55025
1,4-Dichlorobenzene	Averaged	2.18018	1.87355	1.35210	1.79242	1.66025	1.58845
Dichlorodifluoromethane	Averaged	0.50999	0.36110	0.41254	0.35838	0.43118	0.43515
1,1-Dichloroethane	Averaged	0.80766	0.67708	0.54463	0.58660	0.63083	0.57850
1,2-Dichloroethane	Averaged	0.65957	0.63803	0.45614	0.58126	0.53939	0.52199
1,1-Dichloroethene	Averaged	0.28904	0.30134	0.24024	0.27299	0.25473	0.23916
cis-1,2-Dichloroethene	Averaged	0.43178	0.43329	0.33515	0.40852	0.38419	0.35346
trans-1,2-Dichloroethene	Averaged	0.34257	0.30222	0.26329	0.29011	0.28124	0.25881
1,2-Dichloropropane	Averaged	0.32324	0.30947	0.24999	0.31921	0.29278	0.30115
cis-1,3-Dichloropropene	Linear	0.62627	0.40975	0.32621	0.43644	0.47675	0.56190
trans-1,3-Dichloropropene	Linear	0.36168	0.30691	0.24228	0.32786	0.35149	0.45815
Ethylbenzene	Averaged	0.77338	0.69324	0.55823	0.65878	0.63472	0.61485
2-Hexanone	Averaged	0.25770	0.22582	0.17371	0.22725	0.25048	0.24798
Isopropylbenzene (Cumene)	Averaged	2.14080	1.90015	1.51911	1.98131	1.86965	1.92715
Methyl acetate	Averaged	0.29588	0.27944	0.21197	0.23184	0.22015	0.21453
Methylcyclohexane	Averaged	0.41840	0.38063	0.32291	0.40725	0.37548	0.39160
Methylene Chloride	Linear	0.55311	0.35947	0.27288	0.30903	0.26843	0.24594
4-Methyl-2-pentanone (MIBK)	Averaged	0.37546	0.33133	0.24768	0.33174	0.33447	0.34905

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSV - FORM VI VOA-2

MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MV2B GC Column: Col 1 SDG No.: 5096676

Calibration Date(s): 05/02/2014 05/02/2014 Calibration Time(s): 11:25 15:20

LAB FILE ID

CAL1 = B050214CAL.B\B02CAL1.D CAL2 = B050214CAL.B\B03CAL2.D CAL3 = B050214CAL.B\B04CAL3.D

CAL4 = B050214CAL.B\B05CAL4.D CAL5 = B050214CAL.B\B06CAL5.D CAL6 = B050214CAL.B\B07CAL6.D

CAL7 = B050214CAL.B\B08CAL7.D CAL8 = B050214CAL.B\B09CAL8.D

COMPOUND	CURVE TYPE	CAL1	CAL2	CAL3	CAL4	CAL5	CAL6
Methyl-tert-butyl ether	Averaged	0.90891	0.84646	0.64510	0.82426	0.79636	0.79822
Styrene	Averaged	1.35778	1.14081	0.97078	1.23746	1.25013	1.23304
1,1,2,2-Tetrachloroethane	Averaged	0.88043	0.74092	0.67880	0.76878	0.79723	0.74883
Tetrachloroethene	Averaged	0.53733	0.48377	0.42345	0.49483	0.47419	0.46022
Toluene	Averaged	2.18230	1.84630	1.48741	1.76744	1.67527	1.65545
1,2,4-Trichlorobenzene	Averaged	0.72120	0.63776	0.56289	0.83478	0.83668	0.89666
1,1,1-Trichloroethane	Averaged	0.63578	0.59395	0.45743	0.55469	0.51713	0.54139
1,1,2-Trichloroethane	Averaged	0.36909	0.27827	0.21279	0.26910	0.25916	0.26637
Trichloroethene	Averaged	0.46568	0.37678	0.27855	0.37205	0.34286	0.33883
Trichlorofluoromethane	Averaged	0.76870	0.55356	0.66403	0.55952	0.50838	0.52360
1,1,2-Trichlorotrifluoroethane	Averaged	0.37469	0.33536	0.27205	0.33342	0.27119	0.27950
Vinyl chloride	Averaged	0.42256	0.32515	0.39470	0.32677	0.30222	0.30183
m&p-Xylene	Averaged	1.02926	0.82859	0.65233	0.81404	0.77822	0.75242
o-Xylene	Averaged	0.89011	0.75304	0.60814	0.74087	0.74415	0.71677
4-Bromofluorobenzene (S)	Averaged	0.53117	0.52925	0.52947	0.53458	0.53896	0.55374
Dibromofluoromethane (S)	Averaged	0.29707	0.29487	0.29572	0.29874	0.28322	0.28255
Toluene-d8 (S)	Averaged	1.23548	1.23871	1.23677	1.24469	1.23515	1.27631

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

05/16/2014 1:00

MSV - FORM VI VOA-3

MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MV2B GC Column: Col 1 SDG No.: 5096676

Calibration Date(s): 05/02/2014 05/02/2014 Calibration Time(s): 11:25 15:20

LAB FILE ID

CAL1 = B050214CAL.B\B02CAL1.D CAL2 = B050214CAL.B\B03CAL2.D CAL3 = B050214CAL.B\B04CAL3.D

CAL4 = B050214CAL.B\B05CAL4.D CAL5 = B050214CAL.B\B06CAL5.D CAL6 = B050214CAL.B\B07CAL6.D

CAL7 = B050214CAL.B\B08CAL7.D CAL8 = B050214CAL.B\B09CAL8.D

COMPOUND	CURVE TYPE	CAL7	CAL8
Acetone	Linear	0.08128	0.07497
Benzene	Averaged	1.19717	1.14441
Bromodichloromethane	Averaged	0.44097	0.44186
Bromoform	Linear	0.46837	0.50568
Bromomethane	Averaged	0.10655	0.08773
2-Butanone (MEK)	Averaged	0.14763	0.13413
Carbon disulfide	Averaged	0.68023	0.65025
Carbon tetrachloride	Averaged	0.48609	0.48900
Chlorobenzene	Averaged	1.16915	1.11565
Chloroethane	Linear	0.16305	0.14071
Chloroform	Averaged	0.62235	0.58779
Chloromethane	Averaged	0.30366	0.27628
Cyclohexane	Averaged	0.54368	0.53215
1,2-Dibromo-3-chloropropane	Linear	0.15286	0.15937
Dibromochloromethane	Linear	0.42051	
1,2-Dibromoethane (EDB)	Averaged	0.39550	0.38433
1,2-Dichlorobenzene	Averaged	1.47438	1.39360
1,3-Dichlorobenzene	Averaged	1.65162	1.58793
1,4-Dichlorobenzene	Averaged	1.64832	1.61240
Dichlorodifluoromethane	Averaged	0.40021	0.37676
1,1-Dichloroethane	Averaged	0.50746	0.52953
1,2-Dichloroethane	Averaged	0.53926	0.51604
1,1-Dichloroethene	Averaged	0.23959	0.22666
cis-1,2-Dichloroethene	Averaged	0.35899	0.32488
trans-1,2-Dichloroethene	Averaged	0.26577	0.24367
1,2-Dichloropropane	Averaged	0.31979	0.29923
cis-1,3-Dichloropropene	Linear	0.65664	0.65689
trans-1,3-Dichloropropene	Linear	0.56559	0.58805
Ethylbenzene	Averaged	0.64772	0.60996
2-Hexanone	Averaged	0.25632	0.24048
Isopropylbenzene (Cumene)	Averaged	2.08180	1.99721
Methyl acetate	Averaged	0.21786	0.20008
Methylcyclohexane	Averaged	0.41722	0.41591
Methylene Chloride	Linear	0.26062	0.23714
4-Methyl-2-pentanone (MIBK)	Averaged	0.35543	0.33765

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSV - FORM VI VOA-4

MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MV2B GC Column: Col 1 SDG No.: 5096676

Calibration Date(s): 05/02/2014 05/02/2014 Calibration Time(s): 11:25 15:20

LAB FILE ID

CAL1 = B050214CAL.B\B02CAL1.D CAL2 = B050214CAL.B\B03CAL2.D CAL3 = B050214CAL.B\B04CAL3.D

CAL4 = B050214CAL.B\B05CAL4.D CAL5 = B050214CAL.B\B06CAL5.D CAL6 = B050214CAL.B\B07CAL6.D

CAL7 = B050214CAL.B\B08CAL7.D CAL8 = B050214CAL.B\B09CAL8.D

COMPOUND	CURVE TYPE	CAL7	CAL8
Methyl-tert-butyl ether	Averaged	0.81549	0.75053
Styrene	Averaged	1.28728	1.22629
1,1,2,2-Tetrachloroethane	Averaged	0.80908	0.80123
Tetrachloroethene	Averaged	0.48612	0.47395
Toluene	Averaged	1.73118	1.67650
1,2,4-Trichlorobenzene	Averaged	0.99593	0.97837
1,1,1-Trichloroethane	Averaged	0.58222	0.57559
1,1,2-Trichloroethane	Averaged	0.28143	0.27600
Trichloroethene	Averaged	0.35844	0.34059
Trichlorofluoromethane	Averaged	0.49744	0.44526
1,1,2-Trichlorotrifluoroethane	Averaged	0.28227	0.26513
Vinyl chloride	Averaged	0.30523	0.29284
m&p-Xylene	Averaged	0.78978	0.74179
o-Xylene	Averaged	0.76151	0.71375
4-Bromofluorobenzene (S)	Averaged	0.55275	0.55097
Dibromofluoromethane (S)	Averaged	0.27506	0.26466
Toluene-d8 (S)	Averaged	1.25646	1.27549

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSV - FORM VI VOA-5

MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MV2B GC Column: Col 1 SDG No.: 5096676

Calibration Date(s): 05/02/2014 05/02/2014 Calibration Time(s): 11:25 15:20

LAB FILE ID

CAL1 = B050214CAL.B\B02CAL1.D CAL2 = B050214CAL.B\B03CAL2.D CAL3 = B050214CAL.B\B04CAL3.D

CAL4 = B050214CAL.B\B05CAL4.D CAL5 = B050214CAL.B\B06CAL5.D CAL6 = B050214CAL.B\B07CAL6.D

CAL7 = B050214CAL.B\B08CAL7.D CAL8 = B050214CAL.B\B09CAL8.D

COMPOUND	CURVE TYPE	%RSD	R2	A1	A2	A3
Acetone	Linear		0.99858	0.01080	0.07578	
Benzene	Averaged	16.40304			1.24402	
Bromodichloromethane	Averaged	9.75788			0.39449	
Bromoform	Linear		0.99718	-0.04216	0.50428	
Bromomethane	Averaged	10.87704			0.10645	
2-Butanone (MEK)	Averaged	10.11113			0.14848	
Carbon disulfide	Averaged	14.19432			0.69277	
Carbon tetrachloride	Averaged	11.11662			0.43237	
Chlorobenzene	Averaged	10.81417			1.16635	
Chloroethane	Linear		0.99490	0.01129	0.14314	
Chloroform	Averaged	14.37486			0.66365	
Chloromethane	Averaged	18.68097			0.33204	
Cyclohexane	Averaged	12.91990			0.56520	
1,2-Dibromo-3-chloropropane	Linear		0.99873	-0.00974	0.15946	
Dibromochloromethane	Linear		0.99676	-0.01906	0.42063	
1,2-Dibromoethane (EDB)	Averaged	14.54233			0.35375	
1,2-Dichlorobenzene	Averaged	11.61104			1.49324	
1,3-Dichlorobenzene	Averaged	10.57536			1.65837	
1,4-Dichlorobenzene	Averaged	14.17908			1.71346	
Dichlorodifluoromethane	Averaged	12.11887			0.41066	
1,1-Dichloroethane	Averaged	16.06841			0.60779	
1,2-Dichloroethane	Averaged	12.03084			0.55646	
1,1-Dichloroethene	Averaged	10.43106			0.25797	
cis-1,2-Dichloroethene	Averaged	11.17235			0.37878	
trans-1,2-Dichloroethene	Averaged	11.05744			0.28096	
1,2-Dichloropropane	Averaged	7.83788			0.30186	
cis-1,3-Dichloropropene	Linear		0.99952	-0.02615	0.66045	
trans-1,3-Dichloropropene	Linear		0.99878	-0.03790	0.58910	
Ethylbenzene	Averaged	9.86122			0.64886	
2-Hexanone	Averaged	11.72045			0.23497	
Isopropylbenzene (Cumene)	Averaged	9.76566			1.92715	
Methyl acetate	Averaged	14.77554			0.23397	
Methylcyclohexane	Averaged	8.25977			0.39117	
Methylene Chloride	Linear		0.99807	0.00877	0.24000	
4-Methyl-2-pentanone (MIBK)	Averaged	11.28246			0.33285	

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

05/16/2014 1:00

MSV - FORM VI VOA-6

MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MV2B GC Column: Col 1 SDG No.: 5096676

Calibration Date(s): 05/02/2014 05/02/2014 Calibration Time(s): 11:25 15:20

LAB FILE ID

CAL1 = B050214CAL.B\B02CAL1.D CAL2 = B050214CAL.B\B03CAL2.D CAL3 = B050214CAL.B\B04CAL3.D

CAL4 = B050214CAL.B\B05CAL4.D CAL5 = B050214CAL.B\B06CAL5.D CAL6 = B050214CAL.B\B07CAL6.D

CAL7 = B050214CAL.B\B08CAL7.D CAL8 = B050214CAL.B\B09CAL8.D

COMPOUND	CURVE TYPE	%RSD	R2	A1	A2	A3
Methyl-tert-butyl ether	Averaged	9.62100			0.79817	
Styrene	Averaged	9.49850			1.21294	
1,1,2,2-Tetrachloroethane	Averaged	7.60541			0.77816	
Tetrachloroethene	Averaged	6.69821			0.47923	
Toluene	Averaged	11.52507			1.75273	
1,2,4-Trichlorobenzene	Averaged	19.30548			0.80803	
1,1,1-Trichloroethane	Averaged	9.66497			0.55727	
1,1,2-Trichloroethane	Averaged	15.65480			0.27652	
Trichloroethene	Averaged	14.63453			0.35922	
Trichlorofluoromethane	Averaged	18.35316			0.56506	
1,1,2-Trichlorotrifluoroethane	Averaged	13.42502			0.30170	
Vinyl chloride	Averaged	14.41835			0.33391	
m&p-Xylene	Averaged	13.52394			0.79831	
o-Xylene	Averaged	10.42671			0.74104	
4-Bromofluorobenzene (S)	Averaged	1.98736			0.54011	
Dibromofluoromethane (S)	Averaged	4.27725			0.28649	
Toluene-d8 (S)	Averaged	1.40080			1.24988	

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSV - FORM VII VOA-1
MSV INITIAL CALIBRATION DATA

SAMPLE NO.: 6719132ICV

Lab Name: Pace Analytical - Indiana Calibration Date: 05/02/2014 Time: 16:27

Instrument ID: 50MV2B GC Column: Col 1 Init. Calib. Date(s): 05/02/2014 05/02/2014

Lab File ID: B050214CAL.B\B11ICV.D Init. Calib. Time(s): 10:52 15:20

SDG No.: 5096676

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Acetone	Linear	250	280.4369	0.0100	12.1748	20.0000
Benzene	Averaged	1.24402	1.25113	0.5000	1.1925	20.0000
Bromodichloromethane	Averaged	0.39449	0.42496	0.2000	10.7573	20.0000
Bromoform	Linear	50	44.83505	0.1000	-10.3299	20.0000
Bromomethane	Averaged	0.10645	0.14700	0.1000	40.0710	20.0000
2-Butanone (MEK)	Averaged	0.14848	0.15754	0.0100	6.1482	20.0000
Carbon disulfide	Averaged	0.69277	0.71635	0.1000	2.3754	20.0000
Carbon tetrachloride	Averaged	0.43237	0.48992	0.1000	9.7165	20.0000
Chlorobenzene	Averaged	1.16635	1.19276	0.5000	4.1558	20.0000
Chloroethane	Linear	50	63.94927	0.1000	27.8985	20.0000
Chloroform	Averaged	0.66365	0.63488	0.2000	-0.7976	20.0000
Chloromethane	Averaged	0.33204	0.34581	0.1000	0.7272	20.0000
Cyclohexane	Averaged	0.56520	0.61526	0.1000	1.7162	20.0000
1,2-Dibromo-3-chloropropane	Linear	50	47.80226	0.0500	-4.3955	20.0000
Dibromochloromethane	Linear	50	47.67256	0.1000	-4.6549	20.0000
1,2-Dibromoethane (EDB)	Averaged	0.35375	0.38861	0.1000	11.0119	20.0000
1,2-Dichlorobenzene	Averaged	1.49324	1.58402	0.4000	3.8664	20.0000
1,3-Dichlorobenzene	Averaged	1.65837	1.71728	0.6000	1.9675	20.0000
1,4-Dichlorobenzene	Averaged	1.71346	1.74933	0.5000	0.1449	20.0000
Dichlorodifluoromethane	Averaged	0.41066	0.56073	0.1000	11.6392	20.0000
1,1-Dichloroethane	Averaged	0.60779	0.62919	0.2000	-7.0547	20.0000
1,2-Dichloroethane	Averaged	0.55646	0.56032	0.1000	2.1205	20.0000
1,1-Dichloroethene	Averaged	0.25797	0.26189	0.1000	3.2307	20.0000
cis-1,2-Dichloroethene	Averaged	0.37878	0.37662	0.1000	3.5906	20.0000
trans-1,2-Dichloroethene	Averaged	0.28096	0.27618	0.1000	1.0973	20.0000
1,2-Dichloropropane	Averaged	0.30186	0.32387	0.1000	10.0981	20.0000
cis-1,3-Dichloropropene	Linear	50	47.88537	0.2000	-4.2292	20.0000
trans-1,3-Dichloropropene	Linear	50	46.90256	0.1000	-6.1949	20.0000
Ethylbenzene	Averaged	0.64886	0.67096	0.1000	3.9955	20.0000
2-Hexanone	Averaged	0.23497	0.25610	0.0500	12.1469	20.0000
Isopropylbenzene (Cumene)	Averaged	1.92715	2.15327	0.1000	9.7386	20.0000
Methyl acetate	Averaged	0.23397	0.25906	0.1000	9.5691	20.0000
Methylcyclohexane	Averaged	0.39117	0.44642	0.1000	8.3851	20.0000
Methylene Chloride	Linear	50	53.53555	0.1000	7.0711	20.0000
4-Methyl-2-pentanone (MIBK)	Averaged	0.33285	0.36821	0.0500	12.8740	20.0000
Methyl-tert-butyl ether	Averaged	0.79817	0.82289	0.1000	9.8575	20.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

05/16/2014 1:00

MSV - FORM VII VOA-2
MSV INITIAL CALIBRATION DATA

SAMPLE:
6719132ICV

Lab Name: Pace Analytical - Indiana
Calibration Date: 05/02/2014 Time: 16:27

Instrument ID: 50MV2B GC Column: Col 1
Init. Calib. Date(s): 05/02/2014 05/02/2014

Lab File ID: B050214CAL.B\B11ICV.D
Init. Calib. Time(s): 10:52 15:20

SDG No.: 5096676

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Styrene	Averaged	1.21294	1.32935	0.3000	13.2534	20.0000
1,1,2,2-Tetrachloroethane	Averaged	0.77816	0.83531	0.3000	2.5158	20.0000
Tetrachloroethene	Averaged	0.47923	0.49370	0.2000	9.9096	20.0000
Toluene	Averaged	1.75273	1.80400	0.4000	2.1378	20.0000
1,2,4-Trichlorobenzene	Averaged	0.80803	1.00256	0.2000	17.6003	20.0000
1,1,1-Trichloroethane	Averaged	0.55727	0.58741	0.1000	6.1945	20.0000
1,1,2-Trichloroethane	Averaged	0.27652	0.28605	0.1000	5.9817	20.0000
Trichloroethene	Averaged	0.35922	0.36239	0.2000	1.1392	20.0000
Trichlorofluoromethane	Averaged	0.56506	0.61810	0.1000	2.3080	20.0000
1,1,2-Trichlorotrifluoroethane	Averaged	0.30170	0.29929	0.1000	0.6551	20.0000
Vinyl chloride	Averaged	0.33391	0.33775	0.1000	2.5175	20.0000
m&p-Xylene	Averaged	0.79831	0.82734	0.1000	3.6386	20.0000
o-Xylene	Averaged	0.74104	0.78189	0.3000	7.1858	20.0000
4-Bromofluorobenzene (S)	Averaged	0.54011	0.54842	0.1000	3.8670	20.0000
Dibromofluoromethane (S)	Averaged	0.28649	0.28129	0.1000	-0.5216	20.0000
Toluene-d8 (S)	Averaged	1.24988	1.27200	0.1000	1.6142	20.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSV - FORM VII VOA-1
MSV CONTINUING CALIBRATION DATA

SAMPLE NO.: 6728443CCV

Lab Name: Pace Analytical - Indiana Calibration Date: 05/06/2014 Time: 11:48

Instrument ID: 50MV2B GC Column: Col 1 Init. Calib. Date(s): 05/02/2014 05/02/2014

Lab File ID: B050614.B\B01CCV.D Init. Calib. Time(s): 10:52 15:20

SDG No.: 5096676

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Acetone	Linear	250	227.1532	0.0100	-9.1387	20.0000
Benzene	Averaged	1.24402	1.11412	0.5000	-10.4424	20.0000
Bromodichloromethane	Averaged	0.39449	0.38798	0.2000	-1.6504	20.0000
Bromoform	Linear	50	40.90509	0.1000	-18.1898	20.0000
Bromomethane	Averaged	0.10645	0.12002	0.1000	12.7533	20.0000
2-Butanone (MEK)	Averaged	0.14848	0.12704	0.0100	-14.4428	20.0000
Carbon disulfide	Averaged	0.69277	0.64816	0.1000	-6.4394	20.0000
Carbon tetrachloride	Averaged	0.43237	0.45724	0.1000	5.7505	20.0000
Chlorobenzene	Averaged	1.16635	1.14994	0.5000	-1.4067	20.0000
Chloroethane	Linear	50	54.58908	0.1000	9.1782	20.0000
Chloroform	Averaged	0.66365	0.59828	0.2000	-9.8501	20.0000
Chloromethane	Averaged	0.33204	0.26566	0.1000	-19.9930	20.0000
Cyclohexane	Averaged	0.56520	0.52309	0.1000	-7.4503	20.0000
1,2-Dibromo-3-chloropropane	Linear	50	42.14573	0.0500	-15.7085	20.0000
Dibromochloromethane	Linear	50	44.72739	0.1000	-10.5452	20.0000
1,2-Dibromoethane (EDB)	Averaged	0.35375	0.34887	0.1000	-1.3820	20.0000
1,2-Dichlorobenzene	Averaged	1.49324	1.51002	0.4000	1.1234	20.0000
1,3-Dichlorobenzene	Averaged	1.65837	1.64660	0.6000	-0.7095	20.0000
1,4-Dichlorobenzene	Averaged	1.71346	1.69220	0.5000	-1.2408	20.0000
Dichlorodifluoromethane	Averaged	0.41066	0.44867	0.1000	9.2550	20.0000
1,1-Dichloroethane	Averaged	0.60779	0.49350	0.2000	-18.8040	20.0000
1,2-Dichloroethane	Averaged	0.55646	0.50792	0.1000	-8.7222	20.0000
1,1-Dichloroethene	Averaged	0.25797	0.23876	0.1000	-7.4445	20.0000
cis-1,2-Dichloroethene	Averaged	0.37878	0.34521	0.1000	-8.8625	20.0000
trans-1,2-Dichloroethene	Averaged	0.28096	0.26026	0.1000	-7.3686	20.0000
1,2-Dichloropropane	Averaged	0.30186	0.28570	0.1000	-5.3532	20.0000
cis-1,3-Dichloropropene	Linear	50	46.00734	0.2000	-7.9853	20.0000
trans-1,3-Dichloropropene	Linear	50	43.23440	0.1000	-13.5312	20.0000
Ethylbenzene	Averaged	0.64886	0.65553	0.1000	1.0277	20.0000
2-Hexanone	Averaged	0.23497	0.23241	0.0500	-1.0889	20.0000
Isopropylbenzene (Cumene)	Averaged	1.92715	2.04235	0.1000	5.9779	20.0000
Methyl acetate	Averaged	0.23397	0.18244	0.1000	-22.0262	20.0000
Methylcyclohexane	Averaged	0.39117	0.39115	0.1000	-0.0056	20.0000
Methylene Chloride	Linear	50	49.77168	0.1000	-0.4566	20.0000
4-Methyl-2-pentanone (MIBK)	Averaged	0.33285	0.32000	0.0500	-3.8611	20.0000
Methyl-tert-butyl ether	Averaged	0.79817	0.75198	0.1000	-5.7867	20.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

05/16/2014 1:00

MSV - FORM VII VOA-2
MSV CONTINUING CALIBRATION DATA

SAMPLE NO.: 6728443CCV

Lab Name: Pace Analytical - Indiana Calibration Date: 05/06/2014 Time: 11:48

Instrument ID: 50MV2B GC Column: Col 1 Init. Calib. Date(s): 05/02/2014 05/02/2014

Lab File ID: B050614.B\B01CCV.D Init. Calib. Time(s): 10:52 15:20

SDG No.: 5096676

COMPOUND	CURVE	RRF or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Styrene	Averaged	1.21294	1.26967	0.3000	4.6770	20.0000
1,1,2,2-Tetrachloroethane	Averaged	0.77816	0.75162	0.3000	-3.4108	20.0000
Tetrachloroethene	Averaged	0.47923	0.49045	0.2000	2.3404	20.0000
Toluene	Averaged	1.75273	1.70480	0.4000	-2.7349	20.0000
1,2,4-Trichlorobenzene	Averaged	0.80803	0.96548	0.2000	19.4855	20.0000
1,1,1-Trichloroethane	Averaged	0.55727	0.55440	0.1000	-0.5150	20.0000
1,1,2-Trichloroethane	Averaged	0.27652	0.26579	0.1000	-3.8802	20.0000
Trichloroethene	Averaged	0.35922	0.33979	0.2000	-5.4100	20.0000
Trichlorofluoromethane	Averaged	0.56506	0.51506	0.1000	-8.8486	20.0000
1,1,2-Trichlorotrifluoroethane	Averaged	0.30170	0.29106	0.1000	-3.5277	20.0000
Vinyl chloride	Averaged	0.33391	0.29845	0.1000	-10.6218	20.0000
m&p-Xylene	Averaged	0.79831	0.78959	0.1000	-1.0913	20.0000
o-Xylene	Averaged	0.74104	0.75598	0.3000	2.0154	20.0000
4-Bromofluorobenzene (S)	Averaged	0.54011	0.53542	0.1000	-0.8687	20.0000
Dibromofluoromethane (S)	Averaged	0.28649	0.27488	0.1000	-4.0502	20.0000
Toluene-d8 (S)	Averaged	1.24988	1.26642	0.1000	1.3234	20.0000

The values for compounds reported as total are based on a summation of the components within the laboratory information management system.

MSV - FORM VIII VOA-1

MSV INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Pace Analytical - Indiana SDG No.: 5096676 Contract: E027039 / Allison Trans

Sample ID : 6728443CCV Init. Calib. Date: 05/02/2014 Time: 05/02/2014

Instrument ID: 50MV2B GC Column: Col 1 Date Analyzed: 05/06/2014

Lab File ID: B050614.B\B01CCV.D Time Analyzed: 11:48

		AREA CBZ	RT	AREA DCB	RT	AREA FBZ	RT
12 HOUR STD		278414	7.251	150568	8.826	383597	4.182
UPPER LIMIT		556828	7.751	301136	9.326	767194	4.682
LOWER LIMIT		139207	6.751	75284	8.326	191798.5	3.682
LAB SAMPLE ID	SAMPLE NO.						
1088989	1088989BLANK	249302	7.251	129825	8.826	317048	4.179
1088990	1088990LCS	269369	7.251	148212	8.826	383102	4.182
5096676001	TB-01 (042414)	254903	7.251	132592	8.823	330551	4.182
5096676002	PW-2-S3(042414)	251198	7.251	127401	8.826	321867	4.185

CBZ = Chlorobenzene-D5 (IS)

DCB = 1,4-Dichlorobenzene-d4 (IS)

FBZ = Fluorobenzene (IS)

AREA UPPER LIMIT = 200% 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

* Values outside of QC Limits

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

TB-01 (042414)

Lab Name: Pace Analytical - Indiana Contract: E027039 / Allison Trans

Date Received: 04/24/2014 13:35 Matrix: Water SDG No.: 5096676

Date Extracted: 05/06/2014 14:34 Lab Sample ID: 5096676001

Date Analyzed: 05/06/2014 14:34 Lab File ID: B050614.B\B06.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV2B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	ND	U
71-43-2	Benzene	ND	U
75-27-4	Bromodichloromethane	ND	U
75-25-2	Bromoform	ND	U
74-83-9	Bromomethane	ND	U
78-93-3	2-Butanone (MEK)	ND	U
75-15-0	Carbon disulfide	ND	U
56-23-5	Carbon tetrachloride	ND	U
108-90-7	Chlorobenzene	ND	U
75-00-3	Chloroethane	ND	U
67-66-3	Chloroform	ND	U
74-87-3	Chloromethane	ND	U
110-82-7	Cyclohexane	ND	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	U
124-48-1	Dibromochloromethane	ND	U
106-93-4	1,2-Dibromoethane (EDB)	ND	U
95-50-1	1,2-Dichlorobenzene	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
75-71-8	Dichlorodifluoromethane	ND	U
75-34-3	1,1-Dichloroethane	ND	U
107-06-2	1,2-Dichloroethane	ND	U
75-35-4	1,1-Dichloroethene	ND	U
156-59-2	cis-1,2-Dichloroethene	ND	U
156-60-5	trans-1,2-Dichloroethene	ND	U
78-87-5	1,2-Dichloropropane	ND	U
10061-01-5	cis-1,3-Dichloropropene	ND	U
10061-02-6	trans-1,3-Dichloropropene	ND	U
100-41-4	Ethylbenzene	ND	U
591-78-6	2-Hexanone	ND	U
98-82-8	Isopropylbenzene (Cumene)	ND	U
79-20-9	Methyl acetate	ND	U
108-87-2	Methylcyclohexane	ND	U
75-09-2	Methylene Chloride	ND	U
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	U
1634-04-4	Methyl-tert-butyl ether	ND	U
100-42-5	Styrene	ND	U

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

TB-01 (042414)

Lab Name: Pace Analytical - Indiana Contract: E027039 / Allison Trans

Date Received: 04/24/2014 13:35 Matrix: Water SDG No.: 5096676

Date Extracted: 05/06/2014 14:34 Lab Sample ID: 5096676001

Date Analyzed: 05/06/2014 14:34 Lab File ID: B050614.B\B06.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV2B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	ND	U
127-18-4	Tetrachloroethene	ND	U
108-88-3	Toluene	ND	U
120-82-1	1,2,4-Trichlorobenzene	ND	U
71-55-6	1,1,1-Trichloroethane	ND	U
79-00-5	1,1,2-Trichloroethane	ND	U
79-01-6	Trichloroethene	ND	U
75-69-4	Trichlorofluoromethane	ND	U
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U
75-01-4	Vinyl chloride	ND	U
1330-20-7	Xylene (Total)	ND	U

Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b06.d Page 1
Report Date: 07-May-2014 12:20

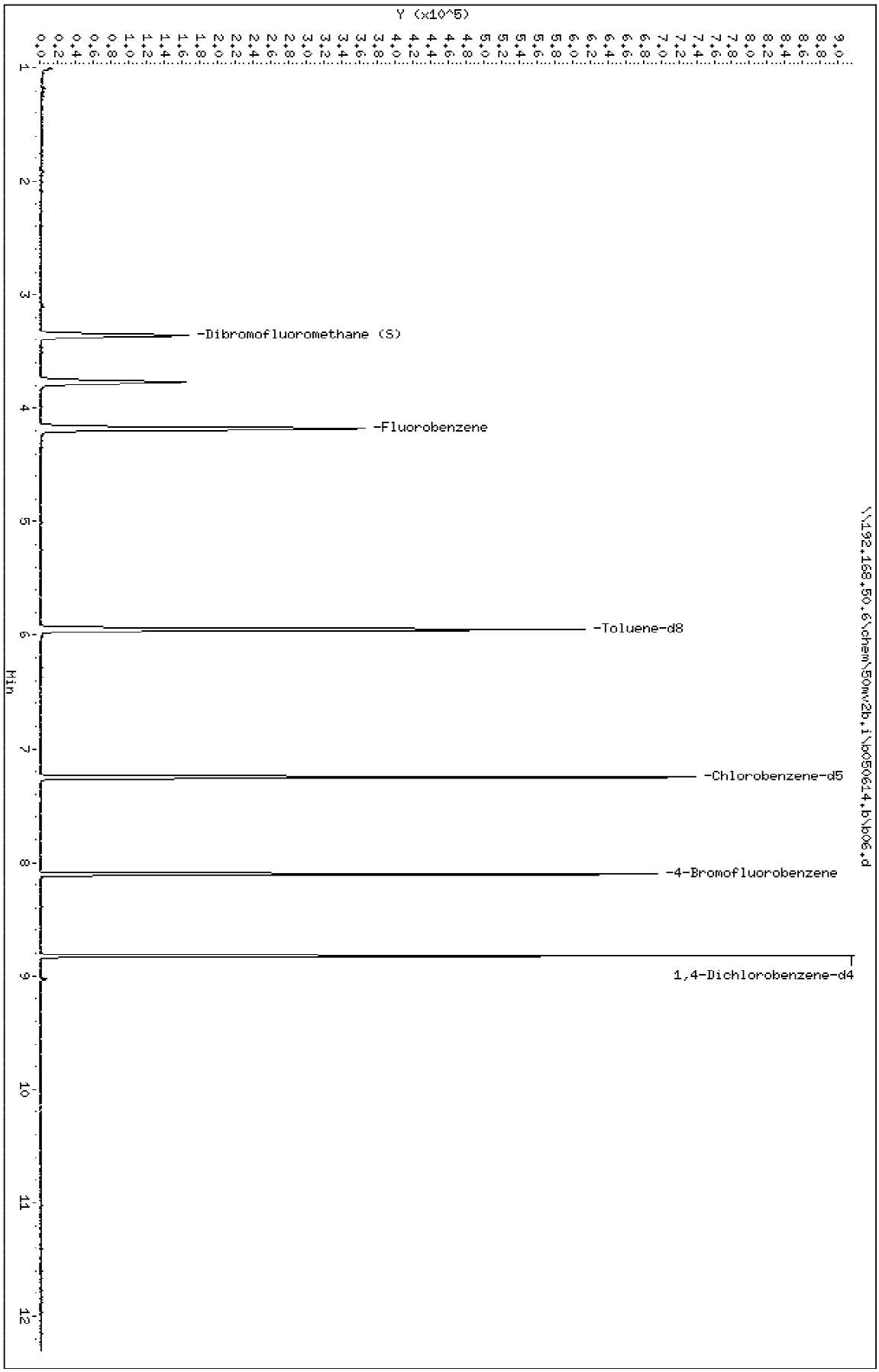
Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv2b.i\b050614.b\b06.d
Lab Smp Id: 5096676001 Client Smp ID: 5096676001
Inj Date : 06-MAY-2014 14:34
Operator : dac Inst ID: 50mv2b.i
Smp Info : 5096676001
Misc Info : 64381
Comment :
Method : \\192.168.50.6\chem\50mv2b.i\b050614.b\-b8260_a_b.m
Meth Date : 07 May 2014 10:18 50mv2b.i Quant Type: ISTD
Cal Date : 02 MAY 2014 15:20 Cal File: b09cal8.d
Als bottle: 57
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 50-VOA-DAF

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON COLUMN (ppb)	FINAL (ppb)	REVIEW C
$ 32 Dibromofluoromethane (S)	113	3.358	3.361	(0.803)	95469	50.4071	50.4	
* 40 Fluorobenzene	96	4.182	4.182	(1.000)	330551	50.0000		
$ 49 Toluene d8	98	5.946	5.946	(0.820)	323952	50.8401	50.8	
* 59 Chlorobenzene-d5	117	7.250	7.250	(1.000)	254903	50.0000		
$ 70 4-Bromofluorobenzene	95	8.102	8.102	(1.117)	133935	48.6415	48.6	
* 82 1,4-Dichlorobenzene-d4	152	8.822	8.825	(1.000)	132592	50.0000		



Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b06.d
Date : 06-MAY-2014 14:34
Client ID: 5096676001
Sample Info: 5096676001
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mv2b.i
Operator: dae
Column diameter: 0.18

Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b/b06.d
Injection Date: 06-MAY-2014 14:34
Instrument: 50mv2b.i
Lab Sample ID: 5096676001
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

PW-2-S3(042414)

Lab Name: Pace Analytical - Indiana Contract: E027039 / Allison Trans

Date Received: 04/24/2014 13:35 Matrix: Water SDG No.: 5096676

Date Extracted: 05/06/2014 15:07 Lab Sample ID: 5096676002

Date Analyzed: 05/06/2014 15:07 Lab File ID: B050614.B\B07.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV2B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	ND	U
71-43-2	Benzene	ND	U
75-27-4	Bromodichloromethane	ND	U
75-25-2	Bromoform	ND	U
74-83-9	Bromomethane	ND	U
78-93-3	2-Butanone (MEK)	ND	U
75-15-0	Carbon disulfide	ND	U
56-23-5	Carbon tetrachloride	ND	U
108-90-7	Chlorobenzene	ND	U
75-00-3	Chloroethane	ND	U
67-66-3	Chloroform	ND	U
74-87-3	Chloromethane	ND	U
110-82-7	Cyclohexane	ND	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	U
124-48-1	Dibromochloromethane	ND	U
106-93-4	1,2-Dibromoethane (EDB)	ND	U
95-50-1	1,2-Dichlorobenzene	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
75-71-8	Dichlorodifluoromethane	ND	U
75-34-3	1,1-Dichloroethane	ND	U
107-06-2	1,2-Dichloroethane	ND	U
75-35-4	1,1-Dichloroethene	ND	U
156-59-2	cis-1,2-Dichloroethene	47.8	
156-60-5	trans-1,2-Dichloroethene	ND	U
78-87-5	1,2-Dichloropropane	ND	U
10061-01-5	cis-1,3-Dichloropropene	ND	U
10061-02-6	trans-1,3-Dichloropropene	ND	U
100-41-4	Ethylbenzene	ND	U
591-78-6	2-Hexanone	ND	U
98-82-8	Isopropylbenzene (Cumene)	ND	U
79-20-9	Methyl acetate	ND	U
108-87-2	Methylcyclohexane	ND	U
75-09-2	Methylene Chloride	ND	U
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	U
1634-04-4	Methyl-tert-butyl ether	ND	U
100-42-5	Styrene	ND	U

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

PW-2-S3(042414)

Lab Name: Pace Analytical - Indiana Contract: E027039 / Allison Trans

Date Received: 04/24/2014 13:35 Matrix: Water SDG No.: 5096676

Date Extracted: 05/06/2014 15:07 Lab Sample ID: 5096676002

Date Analyzed: 05/06/2014 15:07 Lab File ID: B050614.B\B07.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV2B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	ND	U
127-18-4	Tetrachloroethene	ND	U
108-88-3	Toluene	ND	U
120-82-1	1,2,4-Trichlorobenzene	ND	U
71-55-6	1,1,1-Trichloroethane	ND	U
79-00-5	1,1,2-Trichloroethane	ND	U
79-01-6	Trichloroethene	ND	U
75-69-4	Trichlorofluoromethane	ND	U
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U
75-01-4	Vinyl chloride	13.8	
1330-20-7	Xylene (Total)	ND	U

Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b07.d Page 1
Report Date: 07-May-2014 12:20

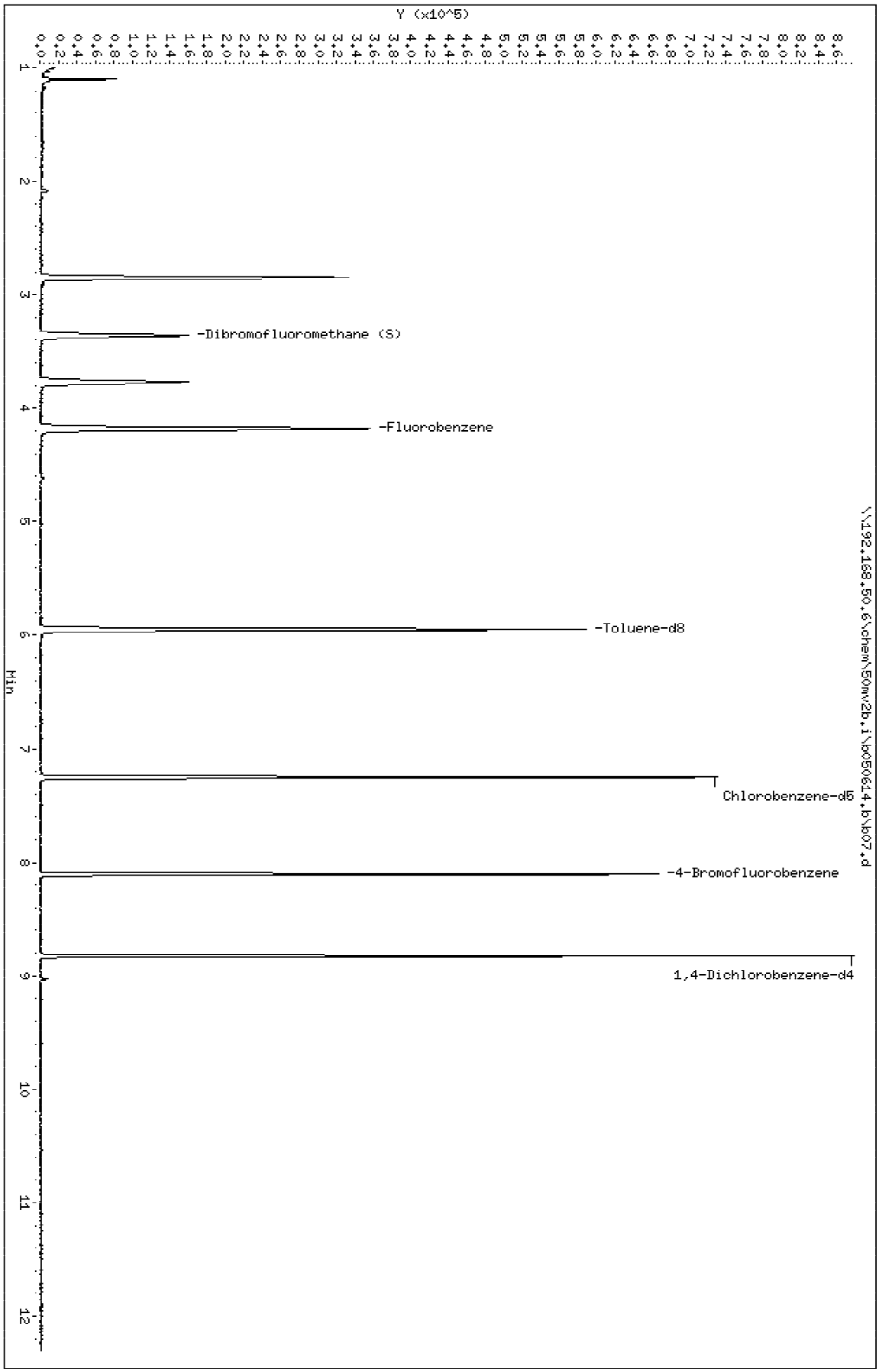
Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv2b.i\b050614.b\b07.d
Lab Smp Id: 5096676002 Client Smp ID: 5096676002
Inj Date : 06-MAY-2014 15:07
Operator : dac Inst ID: 50mv2b.i
Smp Info : 5096676002
Misc Info : 64381
Comment :
Method : \\192.168.50.6\chem\50mv2b.i\b050614.b\-b8260_a_b.m
Meth Date : 07 May 2014 10:18 50mv2b.i Quant Type: ISTD
Cal Date : 02 MAY 2014 15:20 Cal File: b09cal8.d
Als bottle: 58
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 50-VOA-DAF

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON COLUMN (ppb)	CONCENTRATIONS FINAL (ppb)	REVIEW C
	3 Vinyl Chloride	62	1.099	1.099	(0.263)	29640	13.7892	13.8	
	10 1,2-Dichloroethene (trans)	96	2.087	2.084	(0.499)	1758	0.97200	0.972	
	25 1,2 Dichloroethene (cis)	96	2.849	2.852	(0.681)	116491	47.7743	47.8	
$	32 Dibromofluoromethane (S)	113	3.358	3.361	(0.803)	92628	50.2265	50.2	
*	40 Fluorobenzene	96	4.185	4.182	(1.000)	321867	50.0000		
$	49 Toluene-d8	98	5.946	5.946	(0.820)	313078	49.8583	49.8	
*	59 Chlorobenzene-d5	117	7.251	7.250	(1.000)	251198	50.0000		
$	70 4-Bromofluorobenzene	95	8.102	8.102	(1.117)	130575	48.1206	48.1	
*	82 1,4-Dichlorobenzene-d4	152	8.825	8.825	(1.000)	127401	50.0000		



Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b07.d
Date : 06-MAY-2014 15:07
Client ID: 5096676002
Sample Info: 5096676002
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mv2b.i
Operator: dae
Column diameter: 0.18

Page 2

Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b07.d Page 3

Date : 06-MAY-2014 15:07

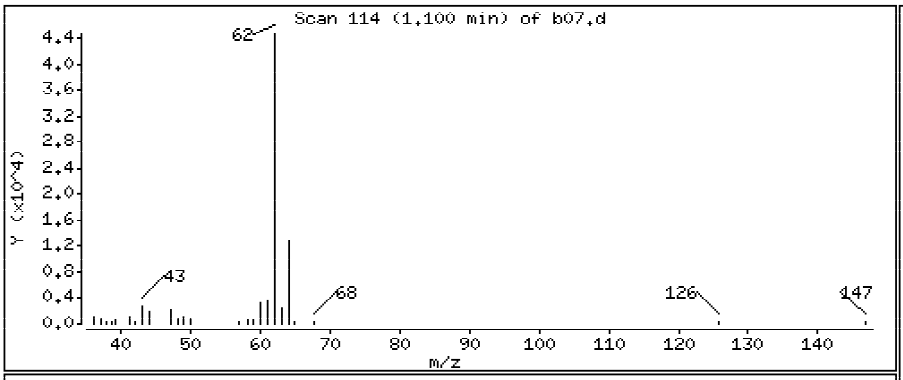
Client ID: 5096676002 Instrument: 50mv2b.i

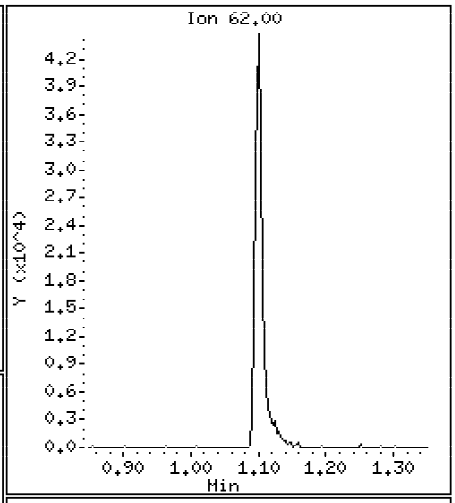
Sample Info: 5096676002

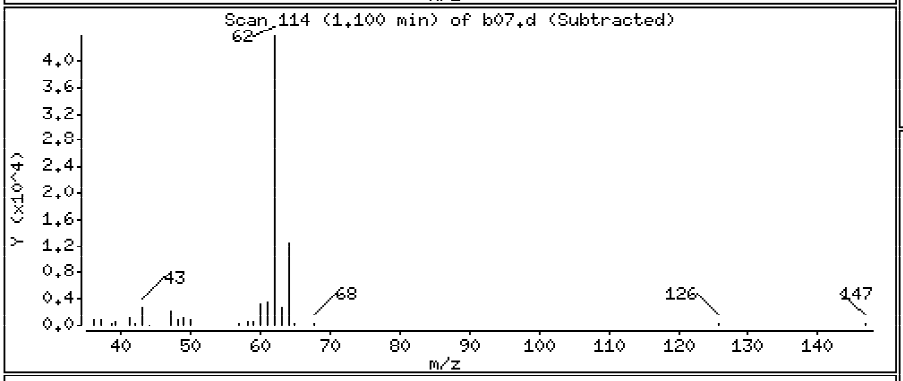
Purge Volume: 5.0 Operator: dae

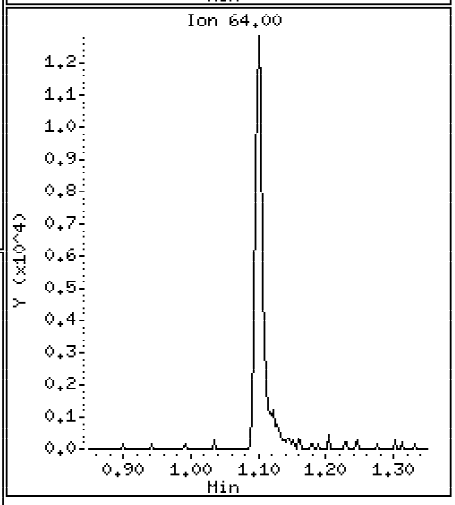
Column phase: DB-624 Column diameter: 0.18

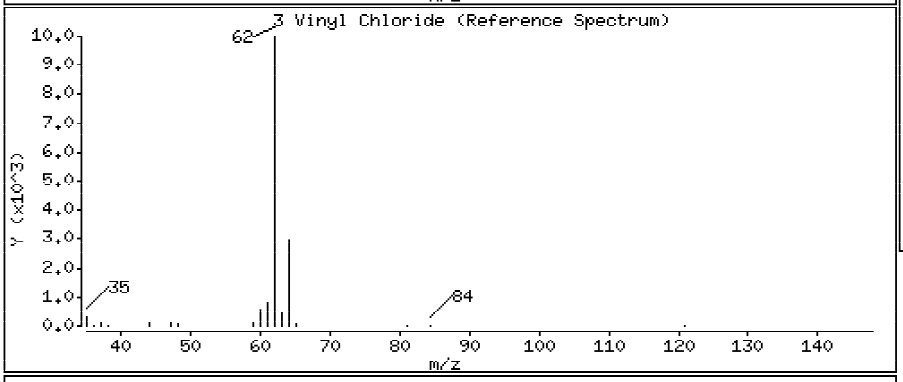
3 Vinyl Chloride Concentration: 13.8 ppb

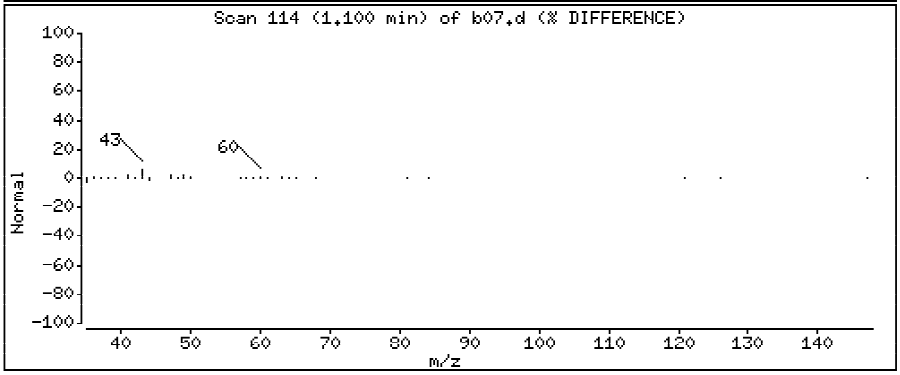












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b07.d Page 4

Date : 06-MAY-2014 15:07

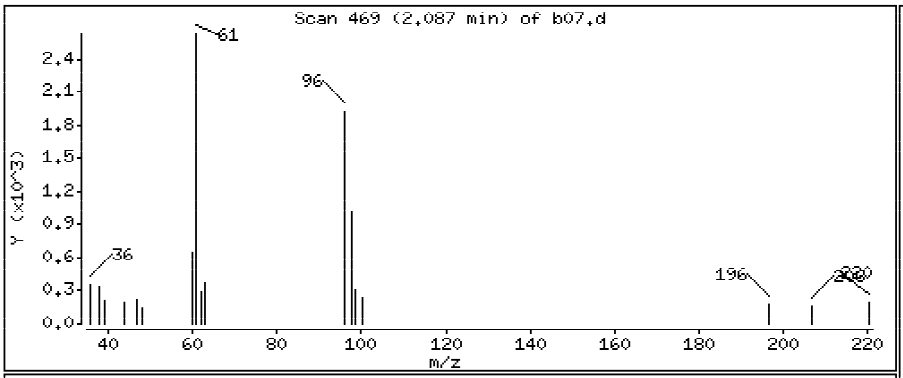
Client ID: 5096676002 Instrument: 50mv2b.i

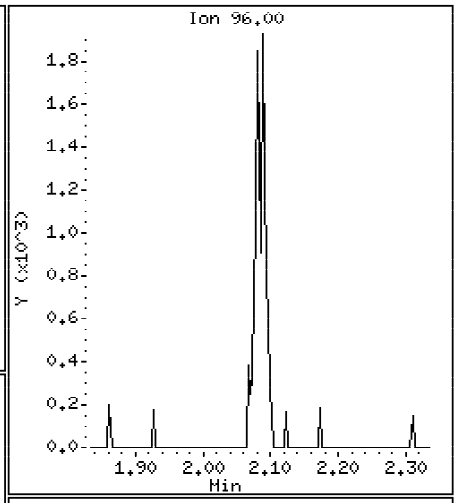
Sample Info: 5096676002

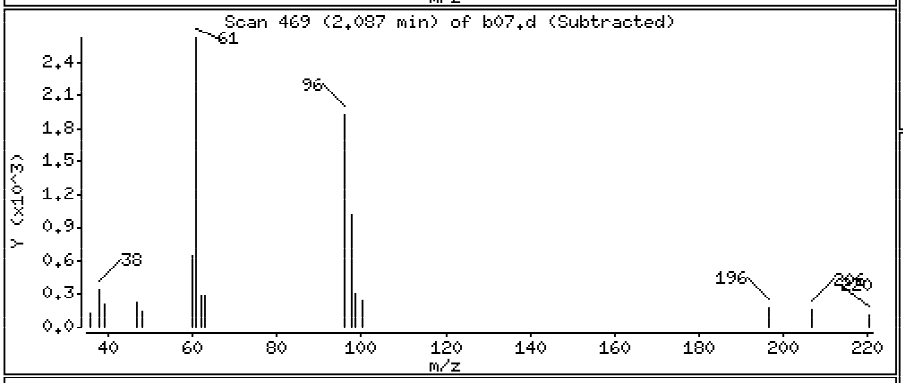
Purge Volume: 5.0 Operator: dae

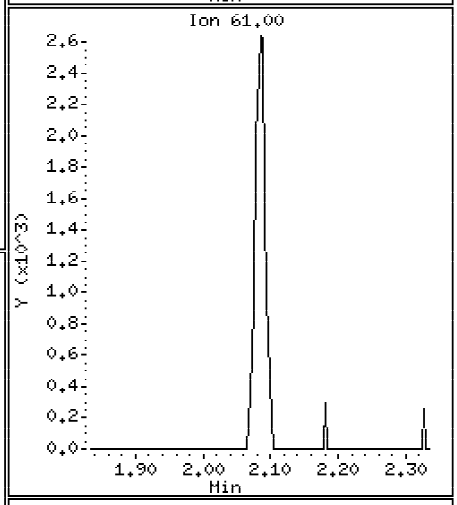
Column phase: DB-624 Column diameter: 0.18

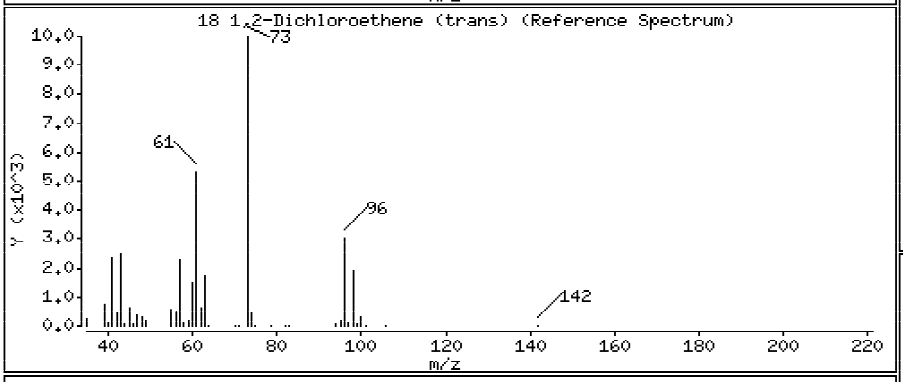
18 1,2-Dichloroethene (trans) Concentration: 0.972 ppb

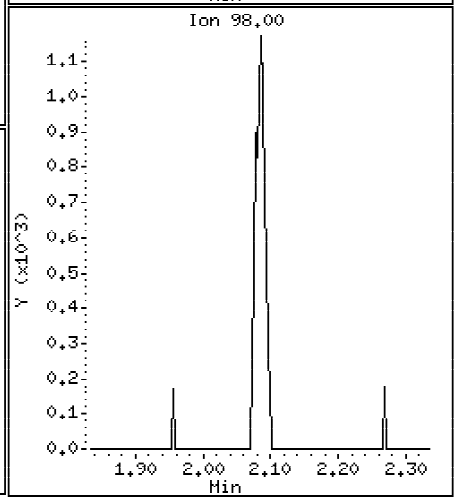


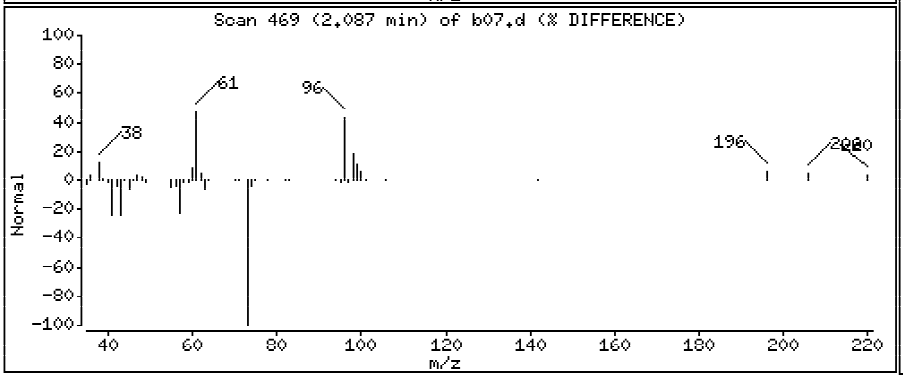












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b07.d Page 5

Date : 06-MAY-2014 15:07

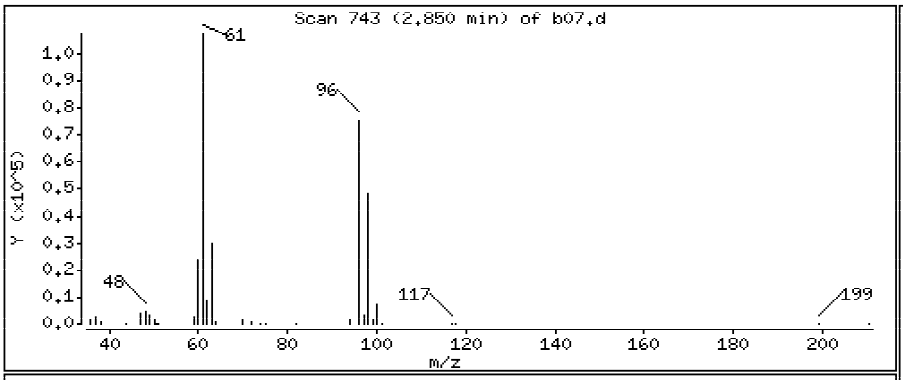
Client ID: 5096676002 Instrument: 50mv2b.i

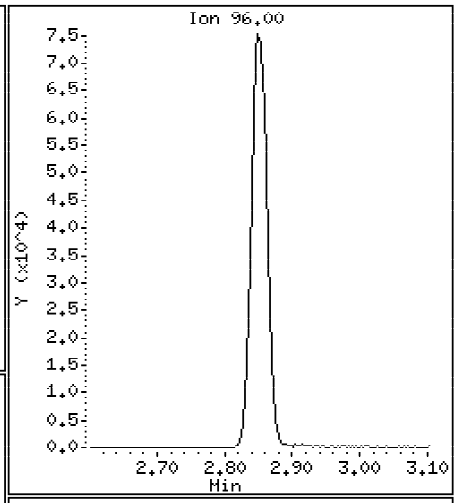
Sample Info: 5096676002

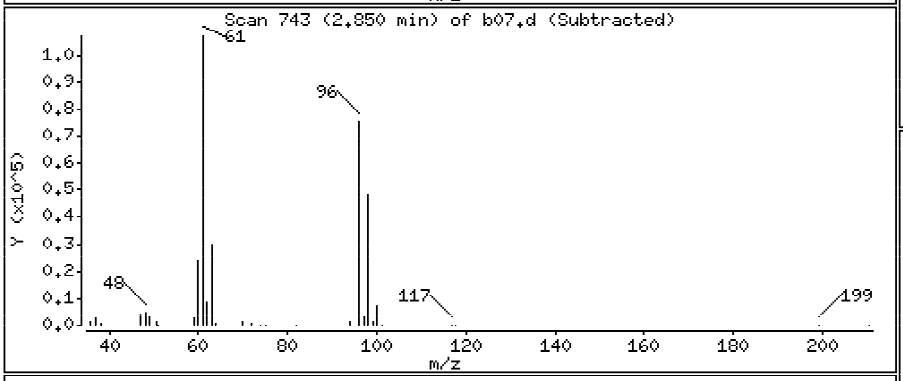
Purge Volume: 5.0 Operator: dae

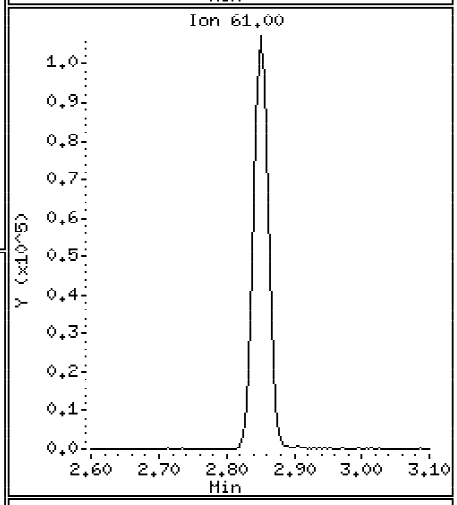
Column phase: DB-624 Column diameter: 0.18

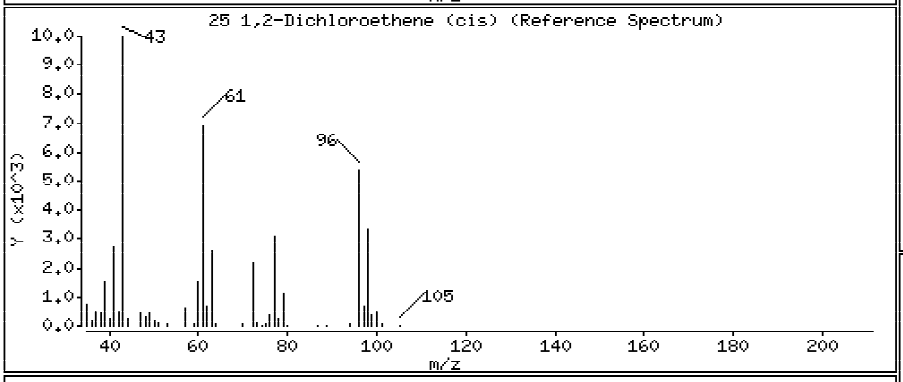
25 1,2-Dichloroethene (cis) Concentration: 47.8 ppb

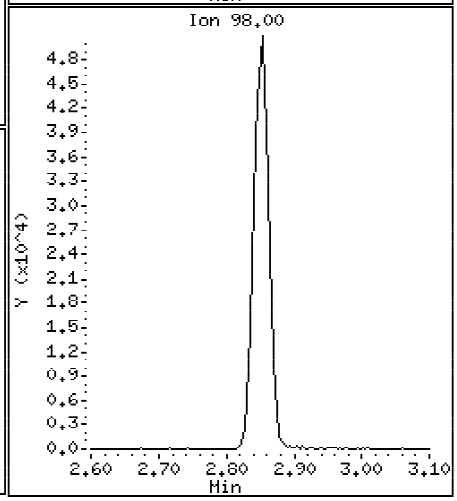


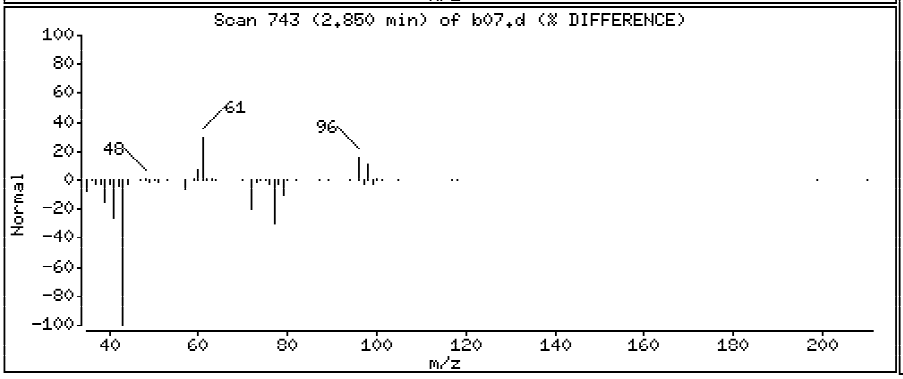












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b/b07.d
Injection Date: 06-MAY-2014 15:07
Instrument: 50mv2b.i
Lab Sample ID: 5096676002
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b02cal1.d Page 1
Report Date: 05-May-2014 13:36

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b02cal1.d
Lab Smp Id: 8260-CAL1,65548:0 Client Smp ID: 8260-CAL1,65548:0
Inj Date : 02-MAY-2014 11:25
Operator : dac Inst ID: 50mv2b.i
Smp Info : 8260-cal1,65548:0
Misc Info : 64180
Comment :
Method : \\192.168.50.6\chem\50mv2b.i\b050214cal.b\-b8260_a_b.m
Meth Date : 05 May 2014 11:52 dengelhard Quant Type: ISTD
Cal Date : 15 APR 2014 22:38 Cal File: b09cal8.d
Als bottle: 53 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)		REVIEW C
1	Dichlorodifluoromethane	85	0.974	0.971	(0.233)	1715	0.50000		(QM)	NI
2	Chloromethane	50	1.088	1.077	(0.260)	1589	0.50000		(M)	NI
3	Vinyl Chloride	62	1.099	1.099	(0.263)	1421	0.50000		(QM)	WP
4	Bromomethane	94	1.246	1.238	(0.298)	357	0.50000		(QM)	NI
5	Chloroethane	64	1.291	1.285	(0.309)	1829	0.50000		(M)	NI
6	Trichlorofluoromethane	101	1.399	1.397	(0.335)	2585	0.50000		(Q)	
7	Diethyl ether	74	1.519	1.519	(0.363)	937	0.50000		(QM)	NI
8	Acrolein	56	1.597	1.591	(0.382)	3659	10.0000			
9	1,1-Dichloroethene	96	1.650	1.647	(0.395)	972	0.50000		(QM)	NI
10	1,1,2Trichlorotrifluoroethane	101	1.644	1.641	(0.393)	1260	0.50000		(Q)	
11	Acetone	43	1.661	1.658	(0.397)	2295	2.50000		(QM)	NI
12	Iodomethane	142	1.733	1.733	(0.415)	716	1.00000		(QM)	NI
141	Acetonitrile	39	1.847	1.839	(0.442)	2373	0.50000		(QM)	NI
13	Carbon Disulfide	76	1.781	1.778	(0.426)	6073	1.00000		(M)	NI
14	allyl chloride	41	1.842	1.839	(0.441)	2785	1.00000		(QM)	NI
15	Methylene Chloride	84	1.914	1.914	(0.458)	1860	0.50000		(QM)	NI
16	Acrylonitrile	53	2.048	2.048	(0.490)	8907	10.0000			
17	tert-Butyl Alcohol	59	1.950	1.956	(0.466)	323	1.00000		(M)	NI
18	1,2-Dichloroethene (trans)	96	2.087	2.081	(0.499)	1152	0.50000		(QM)	NI
19	Methyl-tert-butyl ether	73	2.070	2.073	(0.495)	6113	1.00000			
20	n-Hexane	57	2.265	2.262	(0.542)	1930	0.50000		(M)	NI
138	Methyl Acetate	43	1.828	1.822	(0.437)	995	0.50000		(M)	NI
21	1,1-Dichloroethane	63	2.387	2.384	(0.571)	2716	0.50000		(QM)	NI

Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b02cal1.d Page 2
Report Date: 05-May-2014 13:36

		QUANT SIG					AMOUNTS CAL AMT	ON COL	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ppb)	(ppb)	REVIEW C
	23 Vinyl Acetate	43	2.373	2.373	(0.560)	9236	2.00000	(M)	NI
	143 Chloroprene	53	2.437	2.437	(0.583)	2333	0.50000	(QM)	NI
	24 2,2-Dichloropropane	77	2.860	2.857	(0.684)	1496	0.50000	(M)	NI
	25 1,2-Dichloroethene (cis)	96	2.855	2.852	(0.683)	1452	0.50000	(Q)	
	26 2-Butanone	43	2.841	2.838	(0.679)	2910	2.50000	(M)	NI
	27 Propionitrile	54	2.899	2.893	(0.693)	137	0.50000	(M)	NI
	142 Methacrylonitrile	41	3.041	3.041	(0.727)	905	2.00000	(QM)	NI
	28 1,2-dichlorotrifluoroethane	67	1.539	1.538	(0.368)	1491	0.50000	(QM)	NI
	29 Bromochloromethane	49	3.080	3.080	(0.737)	1101	0.50000	(QM)	NI
	30 Tetrahydrofuran	42	3.097	3.094	(0.741)	1501	0.50000	(QM)	NI
	31 Chloroform	83	3.191	3.188	(0.763)	2885	0.50000		
$	32 Dibromofluoromethane (S)	113	3.358	3.361	(0.803)	99900	50.0000		
	33 1,1,1-Trichloroethane	97	3.358	3.361	(0.803)	2138	0.50000	(Q)	
	34 cyclohexane	56	3.450	3.436	(0.825)	2439	0.50000	(QM)	LT
	35 Carbon Tetrachloride	117	3.533	3.536	(0.845)	1528	0.50000	(QM)	NI
	36 1,1-Dichloropropene	75	3.553	3.547	(0.850)	1780	0.50000	(QM)	NI
	37 Isobutyl alcohol	43	3.951	3.951	(0.945)	337	0.50000	(QM)	NI
	38 Benzene	78	3.787	3.787	(0.906)	5694	0.50000		
	39 1,2-Dichloroethane	62	3.878	3.876	(0.927)	2218	0.50000	(QM)	NI
	144 2,2,4-Trimethylpentane	57	3.967	3.956	(0.949)	4239	0.50000	(Q)	
*	40 Fluorobenzene	96	4.182	4.179	(1.000)	336281	50.0000		
	41 Trichloroethene	95	4.624	4.618	(1.106)	1566	0.50000	(Q)	
	139 Methylcyclohexane	55	4.875	4.874	(1.166)	1407	0.50000	(QM)	NI
	42 1,2-Dichloropropane	63	4.911	4.919	(1.174)	1087	0.50000	(QM)	NI
	43 Dibromomethane	93	5.011	5.005	(1.198)	859	0.50000	(QM)	NI
	140 1,4-Dioxane	88	5.019	5.011	(1.200)	92	0.50000	(QM)	NI
	44 Methyl methacrylate	69	5.025	5.027	(1.202)	820	0.50000	(QM)	NI
	45 Bromodichloromethane	83	5.217	5.222	(1.247)	1360	0.50000	(QM)	NI
	46 2-Chloroethyl vinyl ether	63	5.562	5.556	(0.767)	833	2.00000	(M)	NI
	47 cis 1,3 Dichloropropene	75	5.687	5.687	(0.784)	1690	0.50000	(M)	NI
	48 4 Methyl 2 Pentanone	43	5.854	5.857	(0.807)	5066	2.50000	(QM)	NI
$	49 Toluene d8	98	5.946	5.948	(0.820)	333399	50.0000		
	50 Toluene	91	6.012	6.015	(0.829)	5089	0.50000		
	51 trans-1,3-Dichloropropene	75	6.200	6.205	(0.866)	976	0.50000	(QM)	NI
	52 Ethyl Methacrylate	69	6.363	6.368	(0.877)	1297	0.50000	(M)	NI
	53 1,1,2-Trichloroethane	83	6.472	6.466	(0.892)	996	0.50000	(QM)	NI
	54 Tetrachloroethene	166	6.516	6.513	(0.898)	1450	0.50000	(QM)	NI
	55 1,3-Dichloropropane	76	6.611	6.608	(0.911)	1923	0.50000	(QM)	NI
	56 2-Hexanone	43	6.683	6.677	(0.921)	3477	2.50000	(QM)	NI
	57 Dibromochloromethane	129	6.786	6.789	(0.936)	856	0.50000	(QM)	NI
	58 1,2-Dibromoethane	107	6.875	6.875	(0.948)	1144	0.50000	(QM)	NI
*	59 Chlorobenzene-d5	117	7.253	7.250	(1.000)	269853	50.0000		
	60 Chlorobenzene	112	7.273	7.273	(1.003)	3842	0.50000	(Q)	
	61 1,1,1,2-Tetrachloroethane	131	7.353	7.353	(1.014)	998	0.50000	(QM)	NI
	62 Ethylbenzene	106	7.362	7.362	(1.015)	2087	0.50000	(Q)	
	63 m&p-Xylene	106	7.468	7.465	(1.030)	5555	1.00000	(Q)	
	65 o-Xylene	106	7.732	7.732	(1.066)	2402	0.50000	(Q)	
	66 Styrene	104	7.751	7.751	(1.069)	3664	0.50000		
	67 Bromoform	173	7.868	7.868	(0.892)	368	0.50000	(QM)	NI
	68 Isopropylbenzene	105	7.991	7.991	(1.102)	5777	0.50000	(M)	NI
	69 trans-1,4-Dichloro-2-butene	53	8.227	8.230	(1.134)	162	0.50000	(QM)	NI
$	70 4-Bromofluorobenzene	95	8.105	8.102	(1.117)	143339	50.0000		
	71 Bromobenzene	77	8.183	8.185	(1.128)	2459	0.50000	(Q)	
	72 1,1,2,2-Tetrachloroethane	83	8.199	8.205	(0.929)	1222	0.50000	(QM)	NI

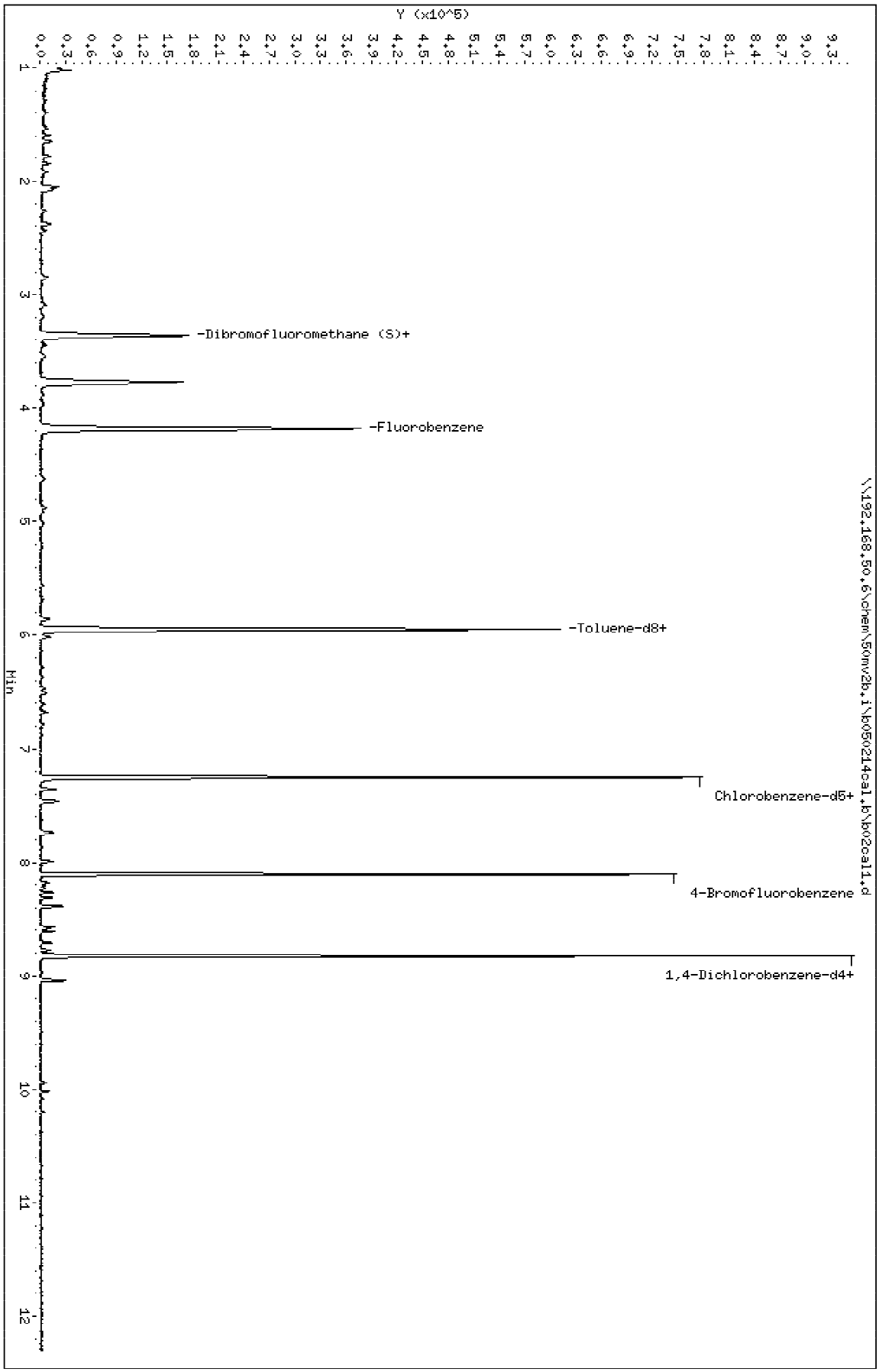
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL AMT (ppb)	AMOUNTS ON COL (ppb)		REVIEW C
73	1,2,3-Trichloropropane	110	8.233	8.235	(0.933)	580	0.50000		(QM)	NI
74	n-Propylbenzene	91	8.266	8.263	(0.937)	6631	0.50000			
75	2-Chlorotoluene	91	8.311	8.310	(0.942)	4780	0.50000		(Q)	
76	4-Chlorotoluene	126	8.388	8.391	(0.951)	1496	0.50000		(Q)	
77	1,3,5-Trimethylbenzene	105	8.383	8.383	(0.950)	5074	0.50000			
78	tert-Butylbenzene	119	8.572	8.575	(0.971)	4891	0.50000		(Q)	
79	1,2,4-Trimethylbenzene	105	8.611	8.611	(0.976)	5036	0.50000			
80	sec-Butylbenzene	105	8.711	8.711	(0.987)	5354	0.50000			
81	1,3-Dichlorobenzene	146	8.778	8.775	(0.995)	2695	0.50000		(QM)	WP
* 82	1,4-Dichlorobenzene-d4	152	8.825	8.825	(1.000)	138796	50.0000			
83	p-Isopropyltoluene	119	8.806	8.806	(0.998)	4863	0.50000		(Q)	
84	1,4-Dichlorobenzene	146	8.836	8.839	(1.001)	3026	0.50000			
85	1,2-Dichlorobenzene	146	9.042	9.045	(1.025)	2611	0.50000		(Q)	
86	n-Butylbenzene	91	9.040	9.042	(1.024)	4062	0.50000		(QM)	NI
87	1,2-Dibromo-3-chloropropane	155	9.496	9.496	(1.076)	167	0.50000		(QM)	NI
88	1,2,4-Trichlorobenzene	180	9.944	9.944	(1.127)	1001	0.50000		(QM)	NI
89	Hexachlorobutadiene	225	10.019	10.022	(1.135)	1009	0.50000		(QM)	NI
90	Naphthalene	128	10.086	10.086	(1.143)	1523	0.50000		(M)	NI
91	1,2,3-Trichlorobenzene	180	10.203	10.202	(1.156)	943	0.50000		(QM)	NI
92	2,methyl-naphthalene	142	10.687	10.687	(1.211)	25	0.50000		(QM)	NI
145	1-Methylnaphthalene	142	10.787	10.781	(1.222)	67	0.50000		(M)	NI

QC Flag Legend

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

Review Codes Legend

NI: Indicates that the peak was not integrated at all by the computer software.
WP: Indicates that the wrong peak was chosen by the data system.
:
LT: Indicates that the peak in question was inappropriately integrated to an area less than what it should be (e.g., Peak area was cut).



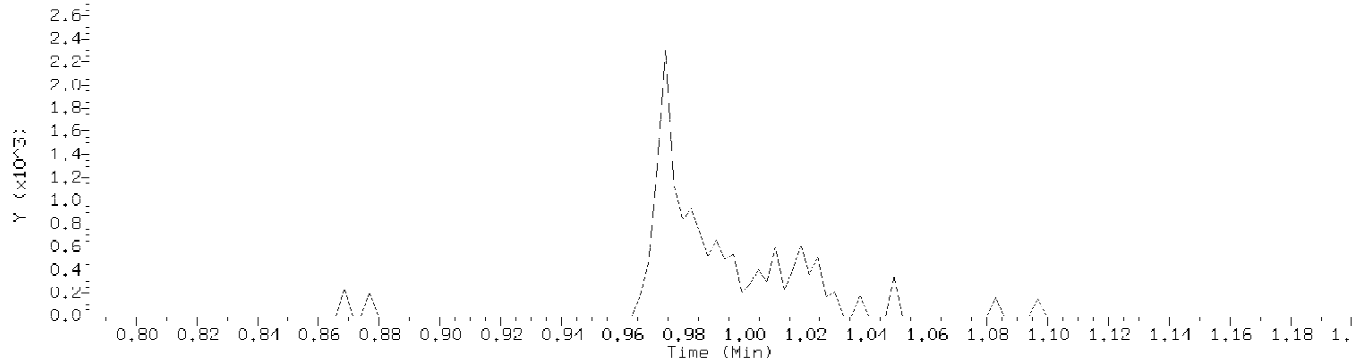
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b02cal1.d
Date : 02-MAY-2014 11:25
Client ID: 8260-CAL1,65548:0
Sample Info: 8260-CAL1,65548:0
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mv2b.i
Operator: dae
Column diameter: 0.18

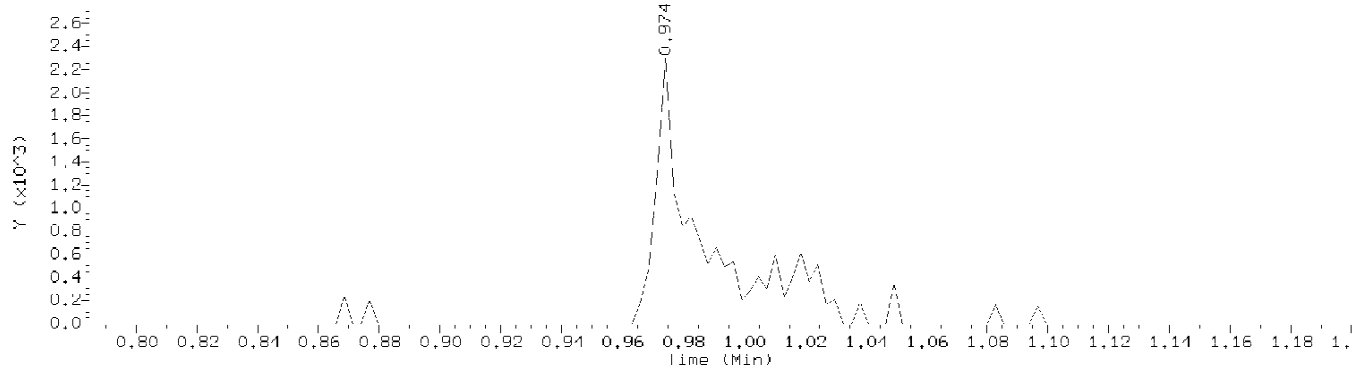
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Compound: Dichlorodifluoromethane
CAS Number: 107-06-2

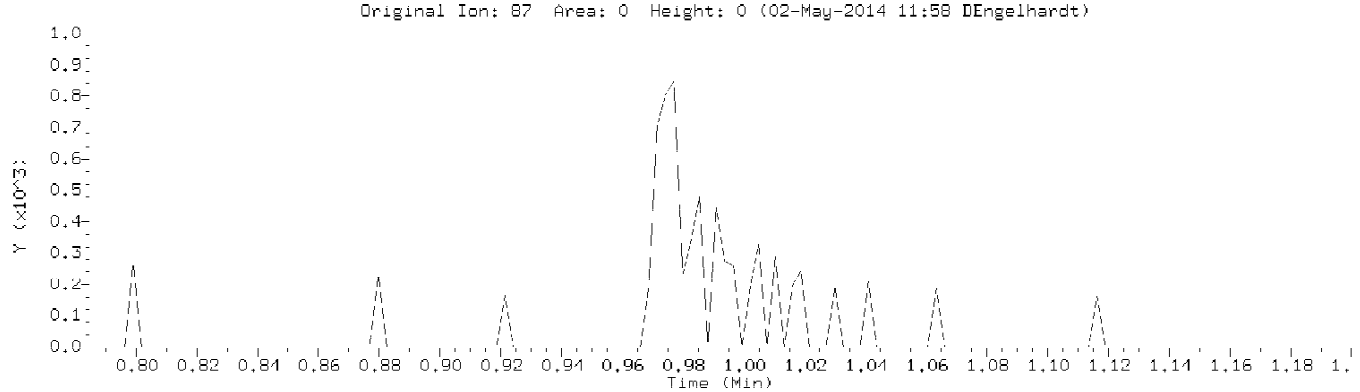
Original Ion: 85 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)



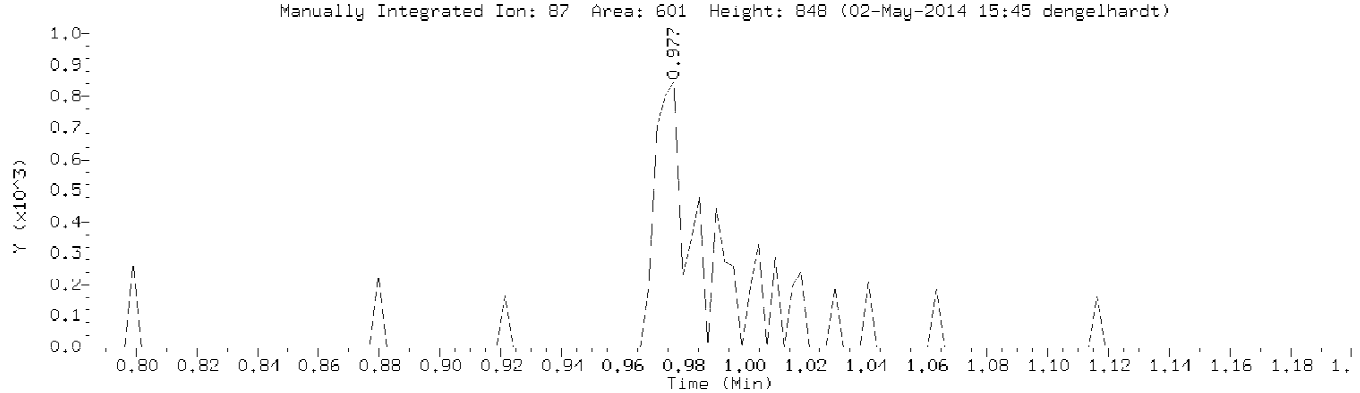
Manually Integrated Ion: 85 Area: 1715 Height: 2302 (02-May-2014 15:45 dengelhardt)



Original Ion: 87 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)

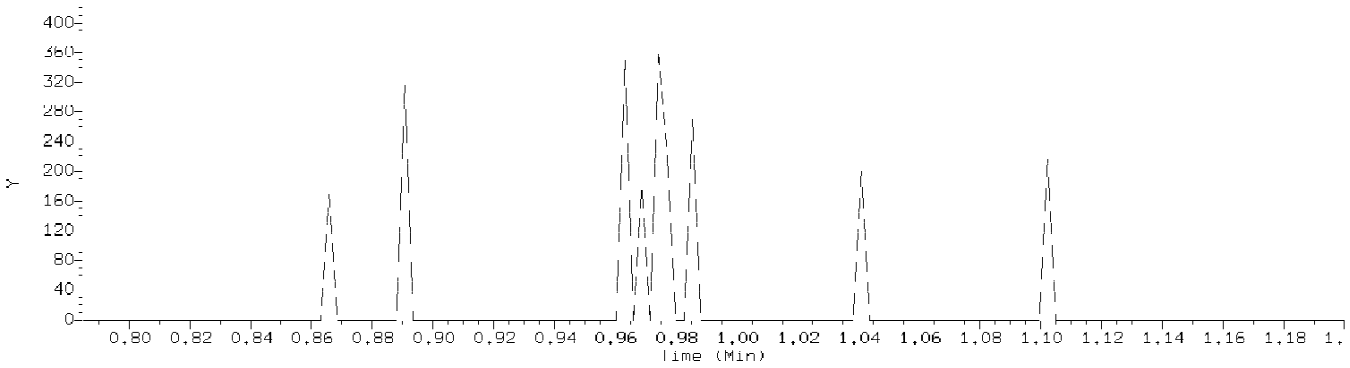


Manually Integrated Ion: 87 Area: 601 Height: 848 (02-May-2014 15:45 dengelhardt)

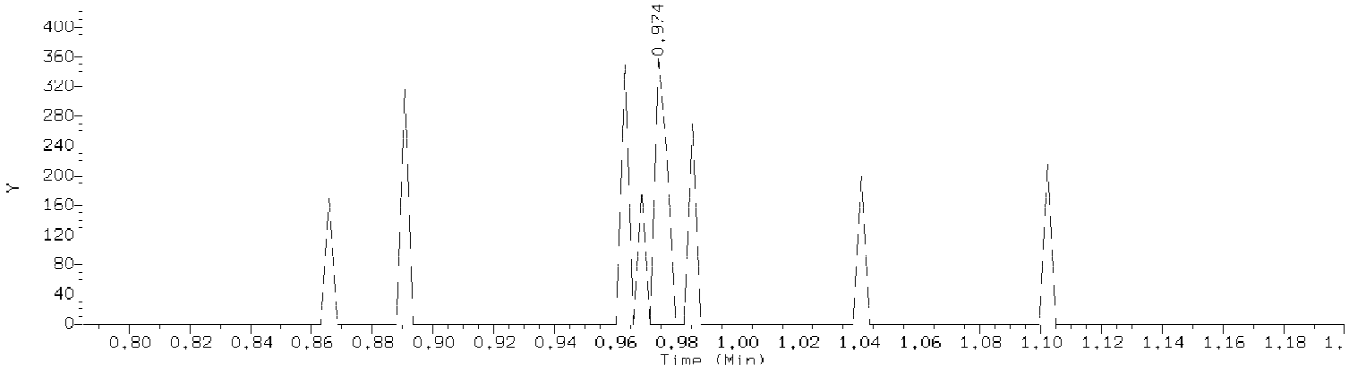


Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Original Ion: 101 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)



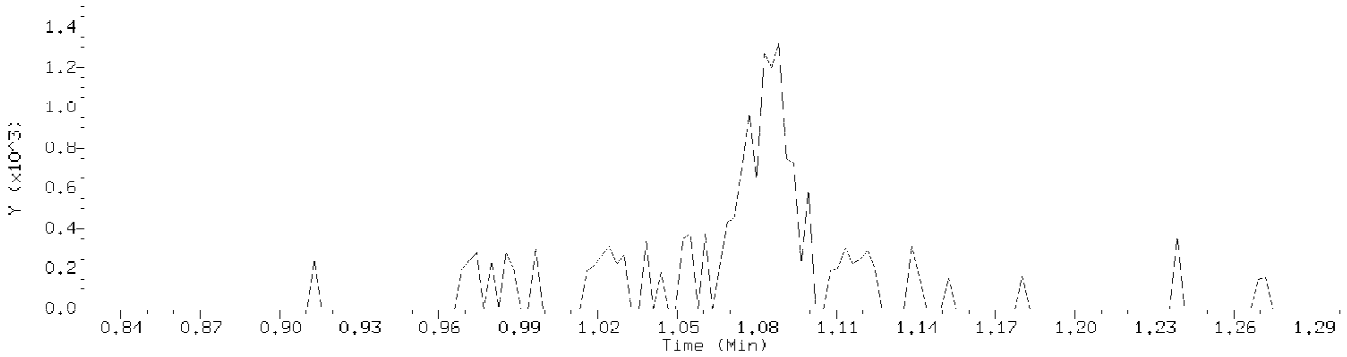
Manually Integrated Ion: 101 Area: 97 Height: 358 (02-May-2014 15:45 dengelhardt)



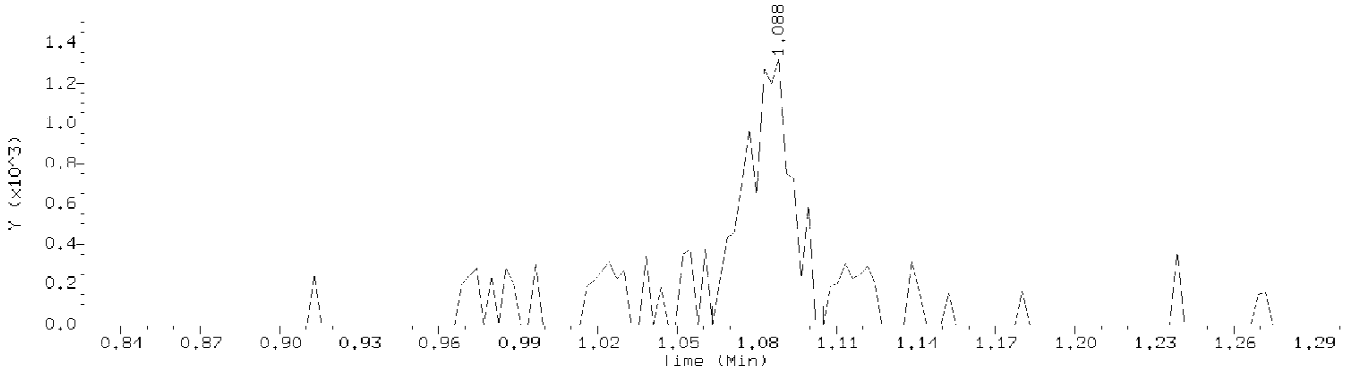
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Compound: Chloromethane
CAS Number: 74-87-3

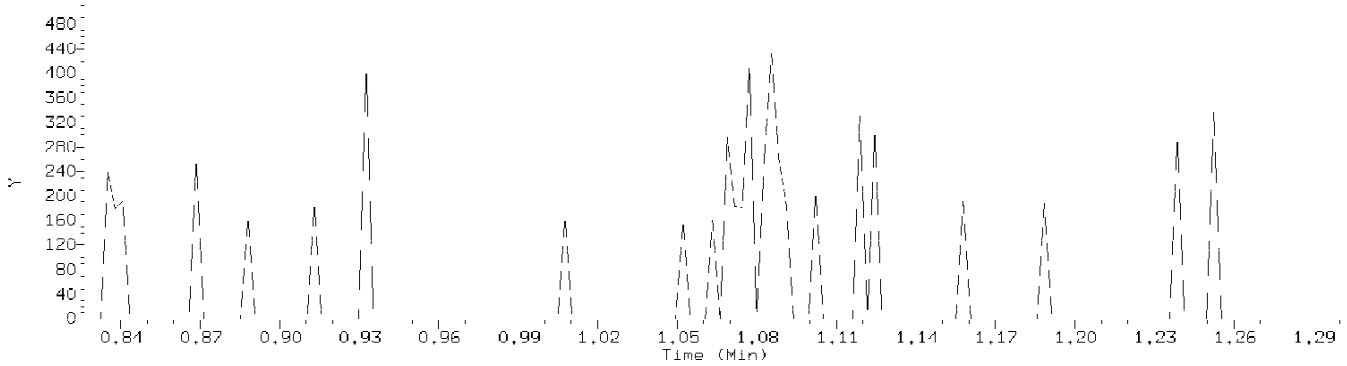
Original Ion: 50 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)



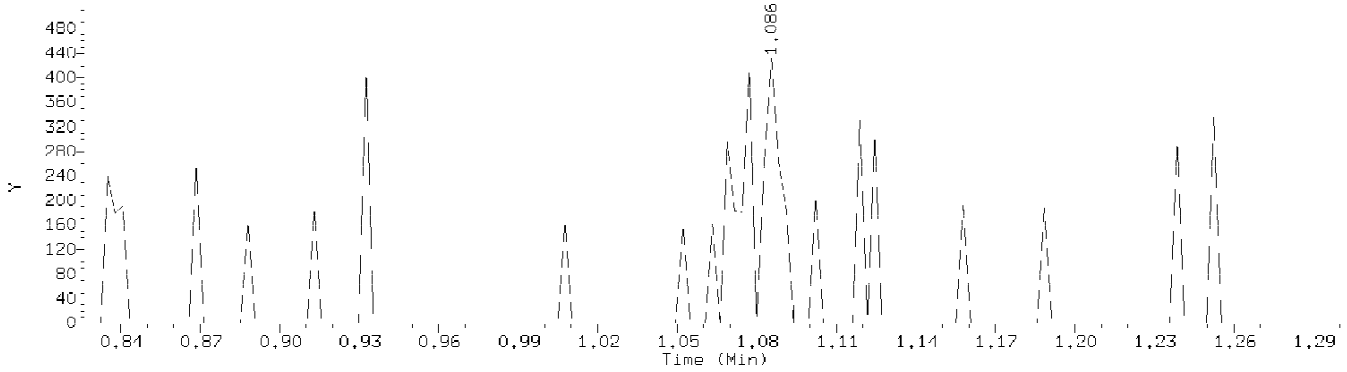
Manually Integrated Ion: 50 Area: 1589 Height: 1320 (02-May-2014 15:45 dengelhardt)



Original Ion: 52 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)



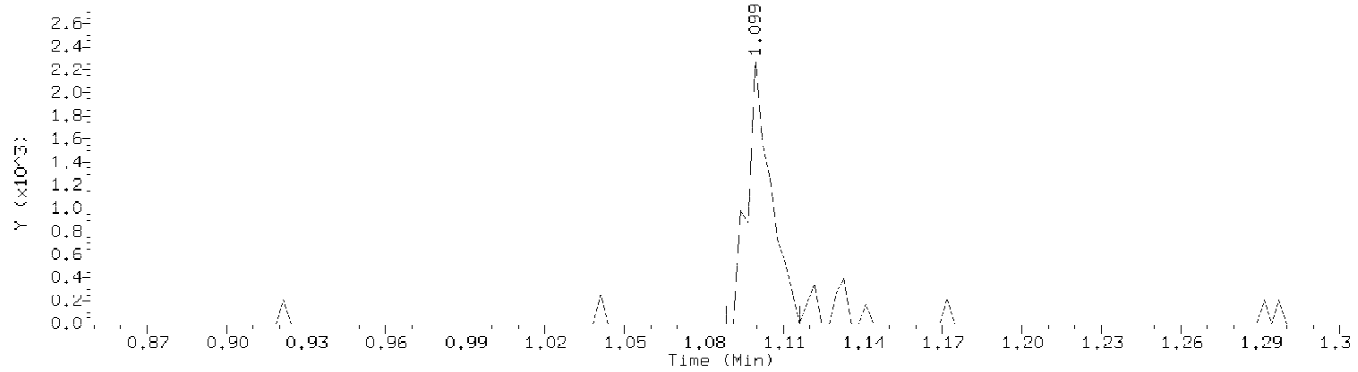
Manually Integrated Ion: 52 Area: 190 Height: 433 (02-May-2014 15:45 dengelhardt)



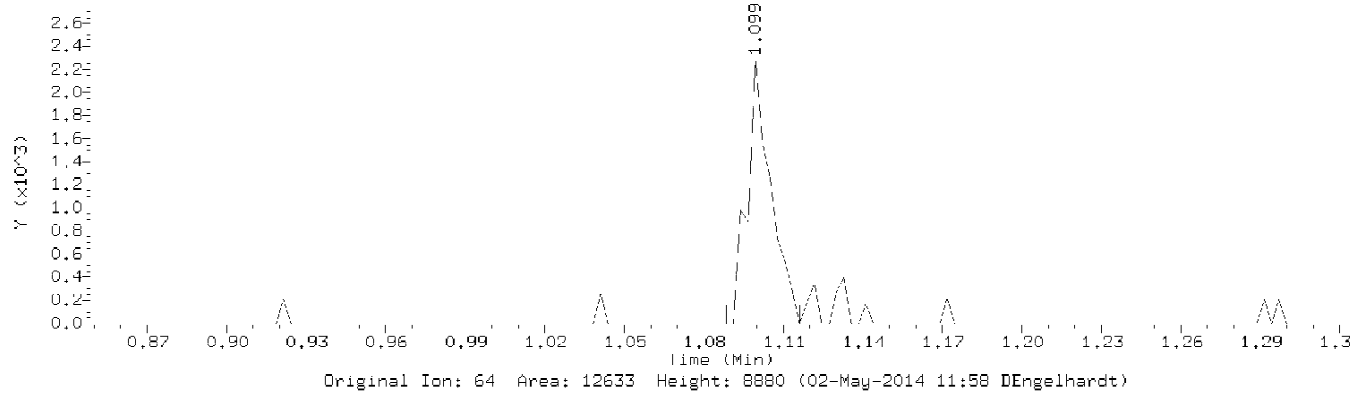
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Compound: Vinyl Chloride
CAS Number: 75-01-4

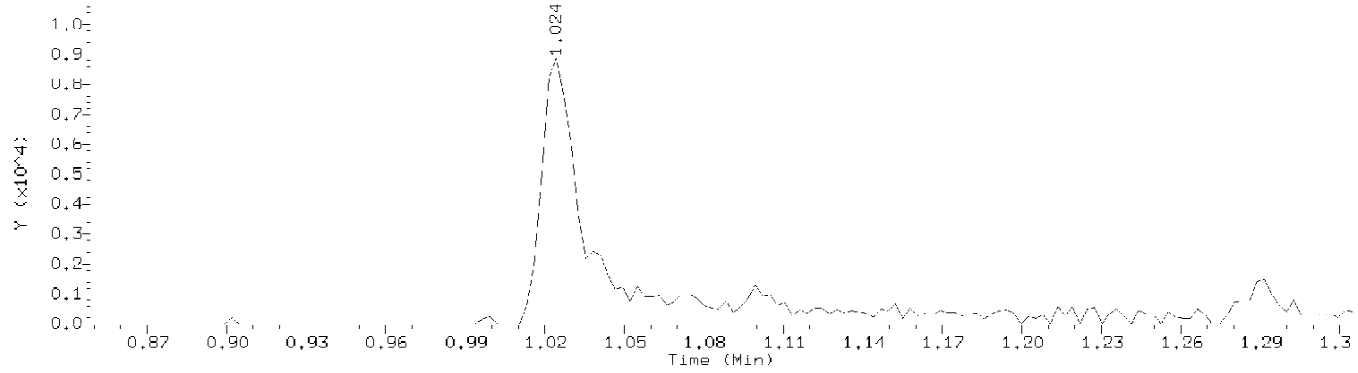
Original Ion: 62 Area: 1421 Height: 2301 (02-May-2014 11:58 DEngelhardt)



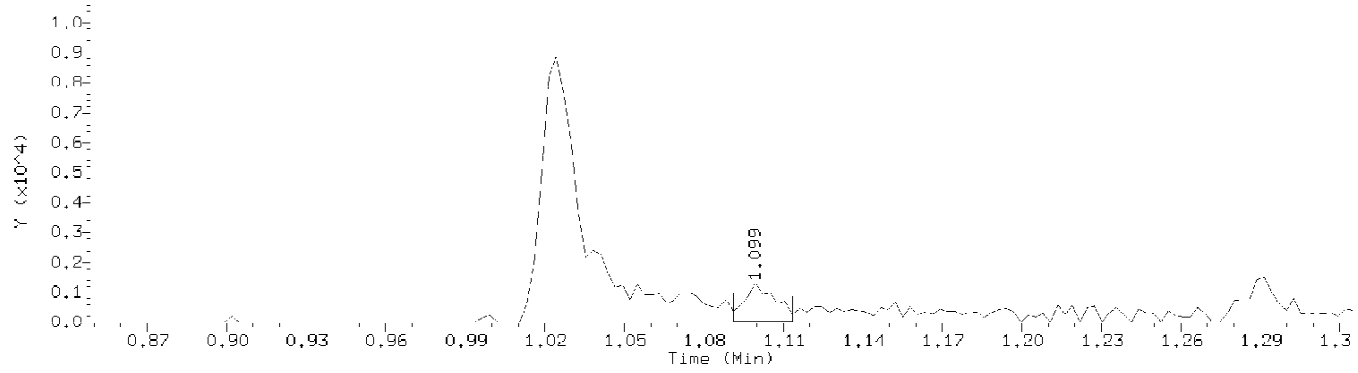
Manually Integrated Ion: 62 Area: 1421 Height: 2301 (02-May-2014 15:45 dengelhardt)



Original Ion: 64 Area: 12633 Height: 8880 (02-May-2014 11:58 DEngelhardt)



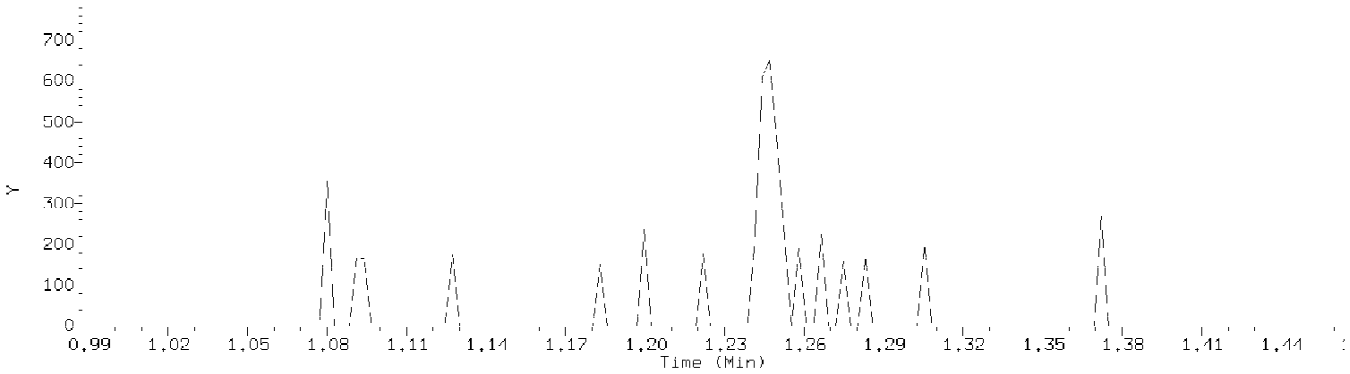
Manually Integrated Ion: 64 Area: 1081 Height: 1286 (02-May-2014 15:45 dengelhardt)



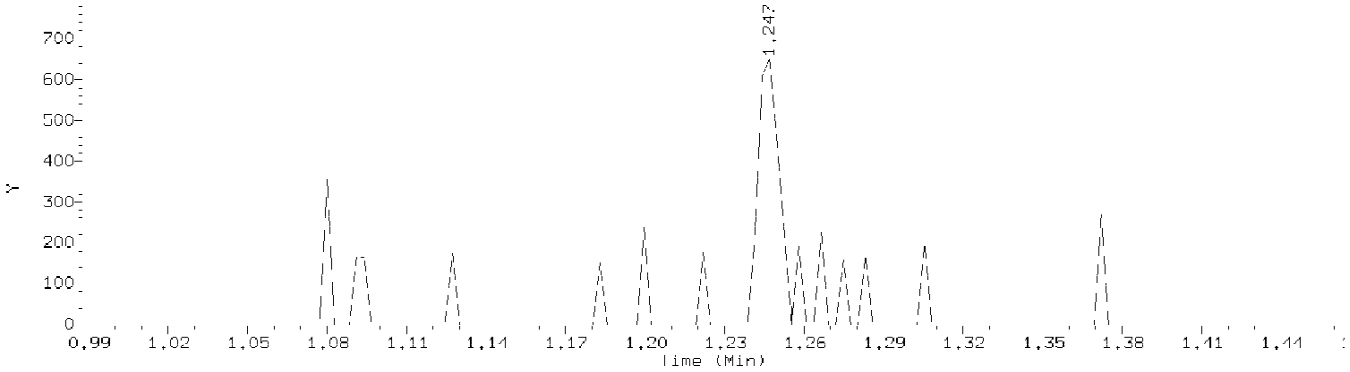
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Compound: Bromomethane
CAS Number: 74-83-9

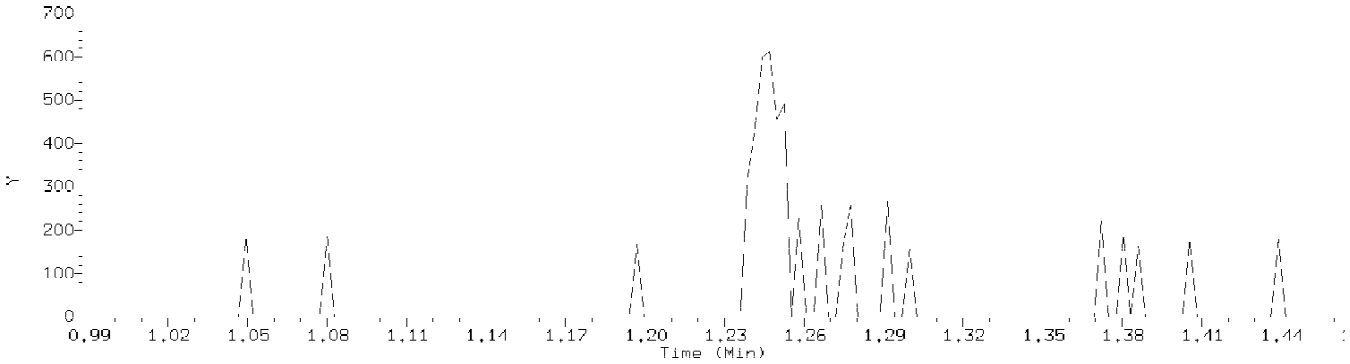
Original Ion: 94 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)



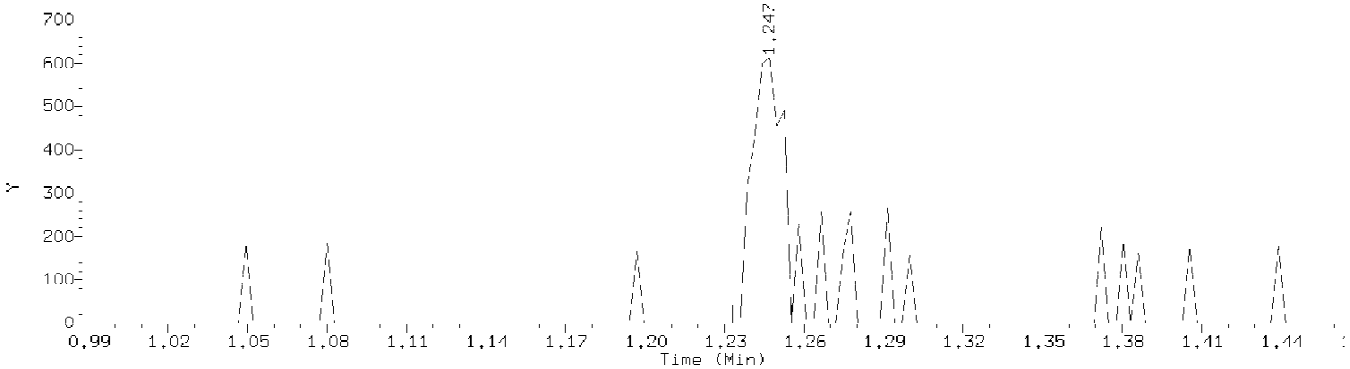
Manually Integrated Ion: 94 Area: 357 Height: 651 (02-May-2014 15:45 dengelhardt)



Original Ion: 96 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)



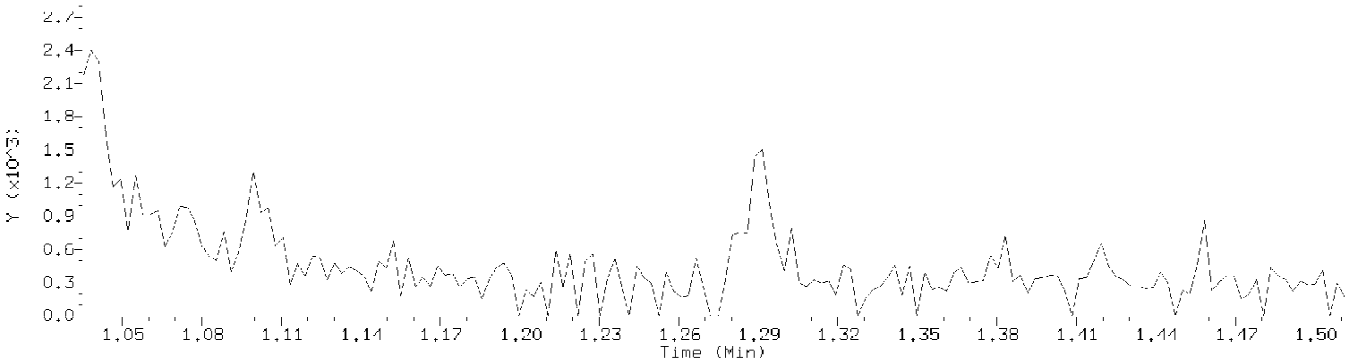
Manually Integrated Ion: 96 Area: 484 Height: 613 (02-May-2014 15:45 dengelhardt)



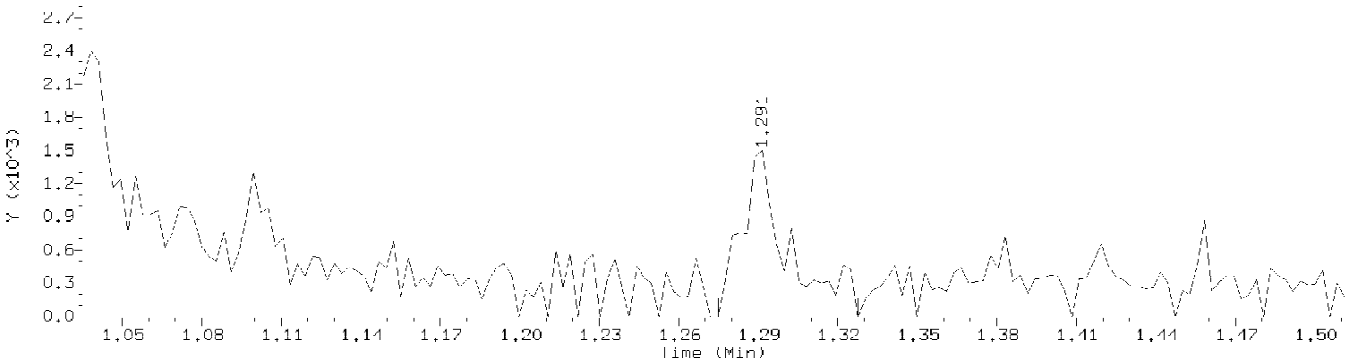
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Compound: Chloroethane
CAS Number: 75-00-3

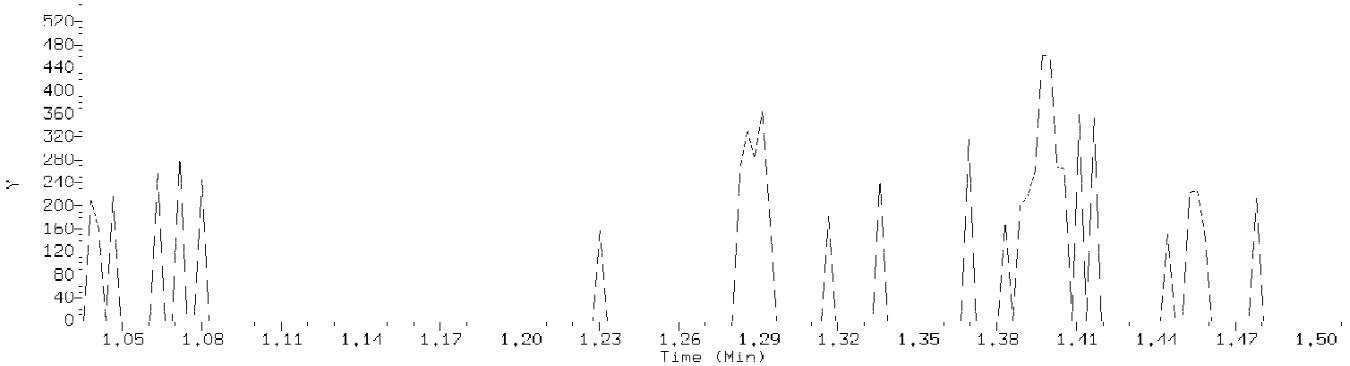
Original Ion: 64 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)



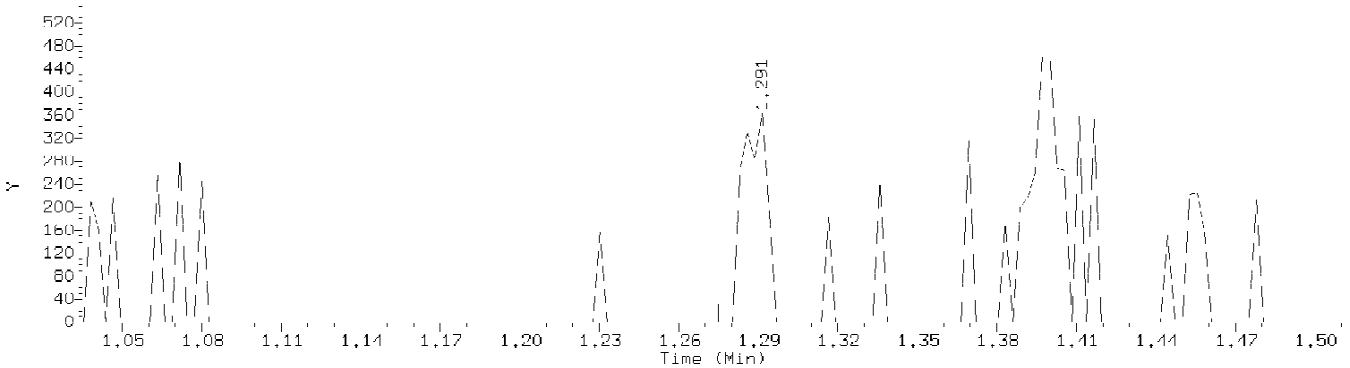
Manually Integrated Ion: 64 Area: 1829 Height: 1503 (02-May-2014 15:45 dengelhardt)



Original Ion: 66 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)



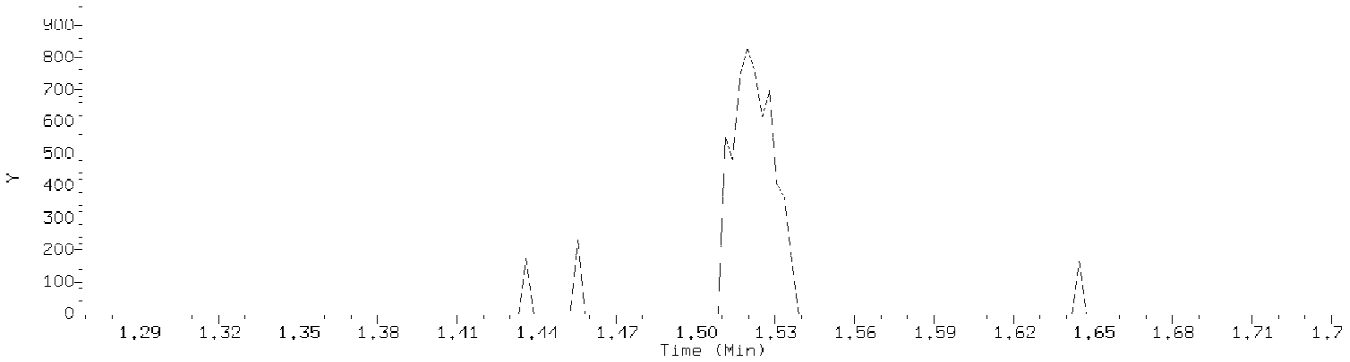
Manually Integrated Ion: 66 Area: 239 Height: 364 (02-May-2014 15:45 dengelhardt)



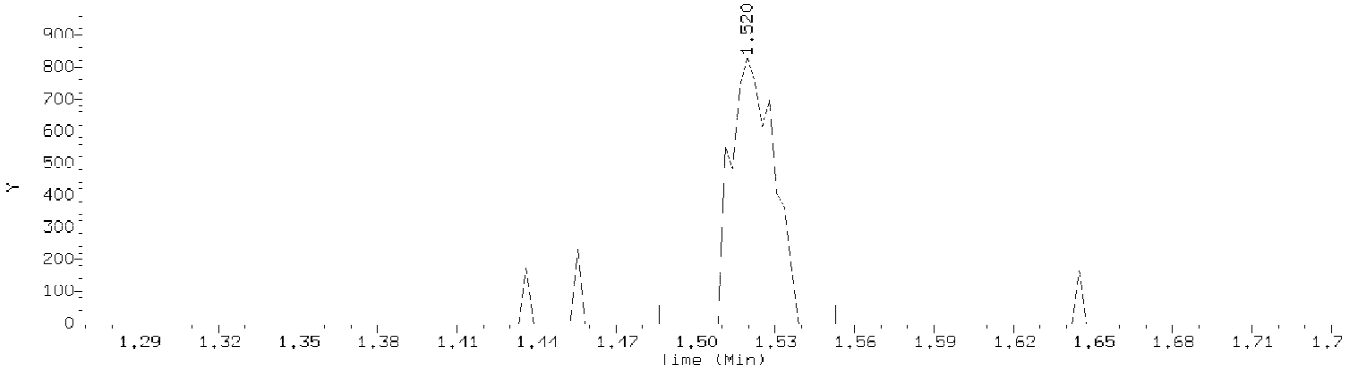
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Compound: Diethyl ether
CAS Number: 60-29-7

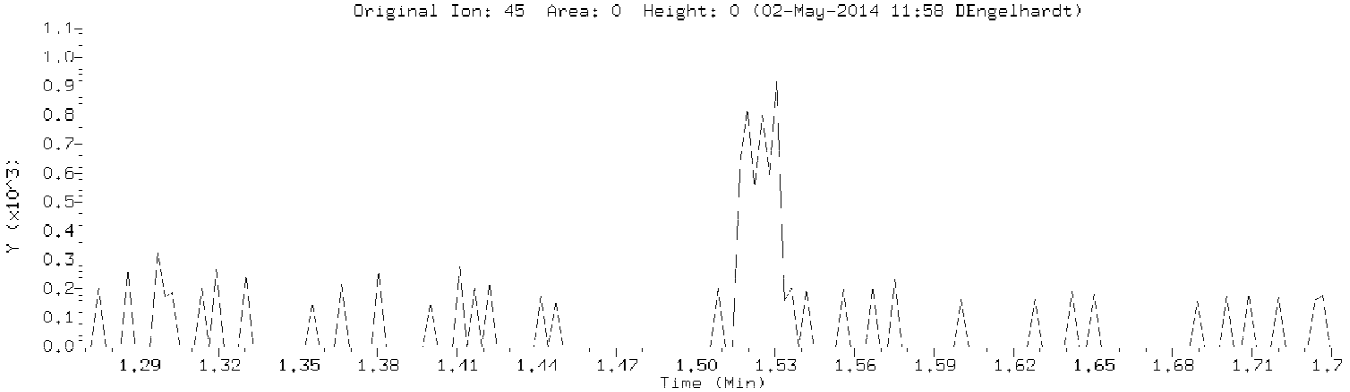
Original Ion: 74 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)



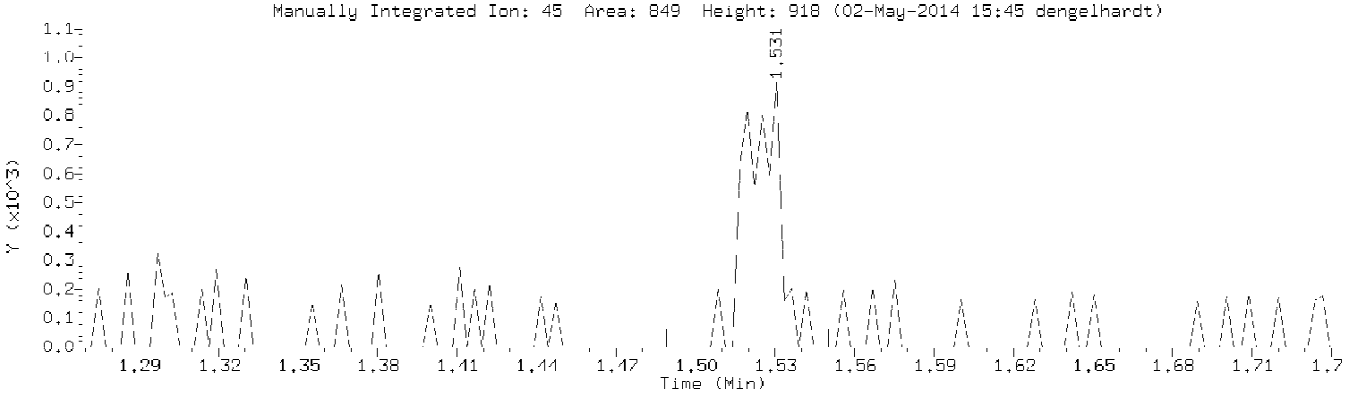
Manually Integrated Ion: 74 Area: 937 Height: 829 (02-May-2014 15:45 dengelhardt)



Original Ion: 45 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)

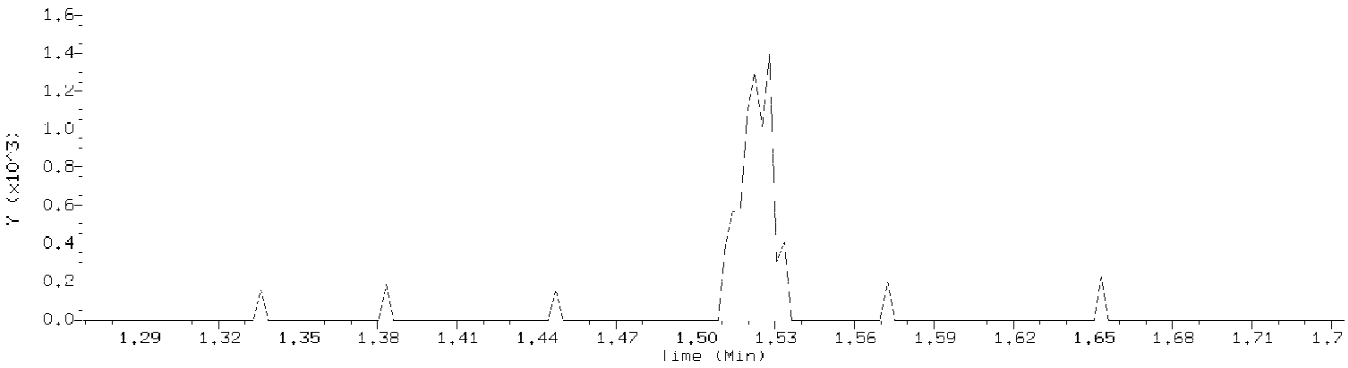


Manually Integrated Ion: 45 Area: 849 Height: 918 (02-May-2014 15:45 dengelhardt)

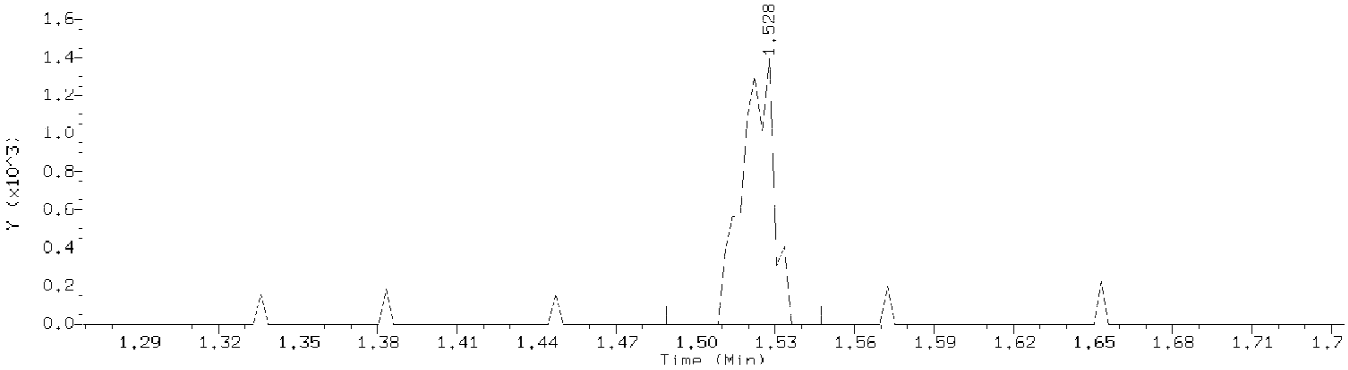


Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Original Ion: 59 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)



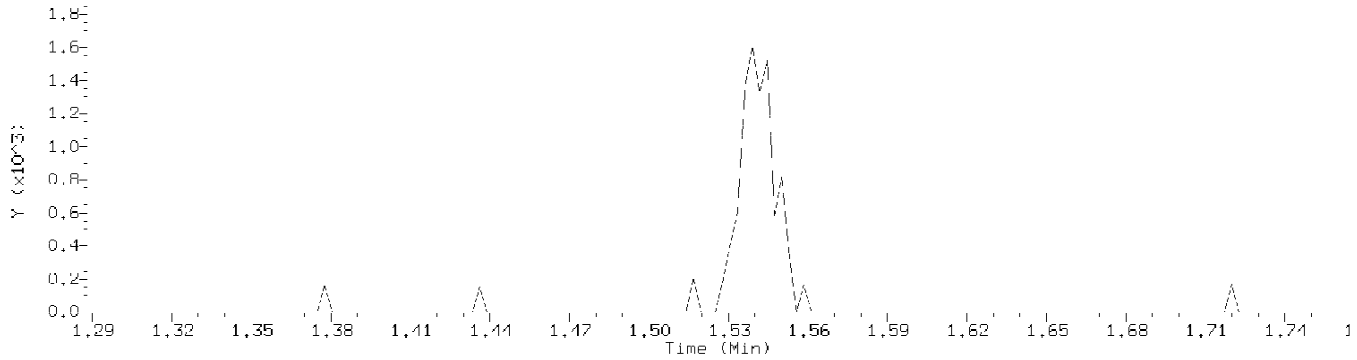
Manually Integrated Ion: 59 Area: 1173 Height: 1395 (02-May-2014 15:45 dengelhardt)



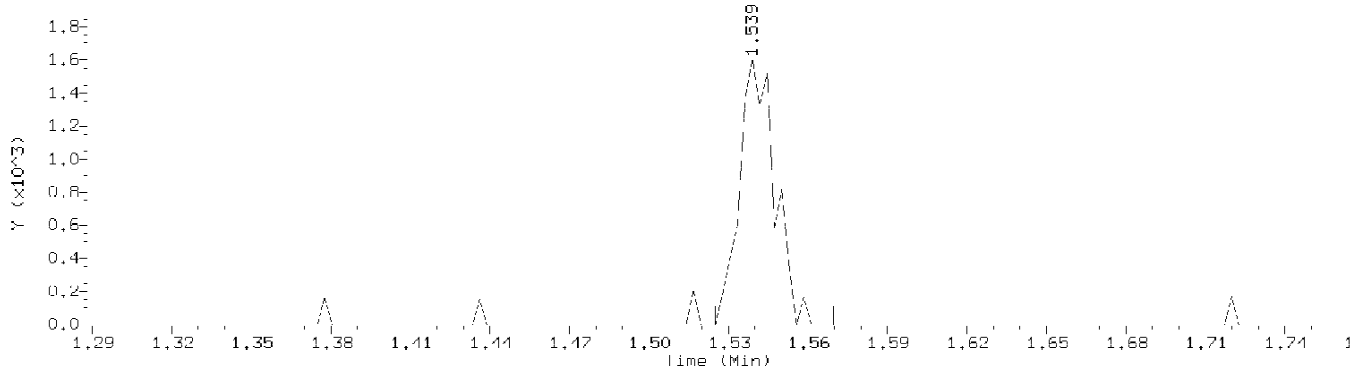
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Compound: 1,2-dichlorotrifluoroethane
CAS Number: 354-23-4

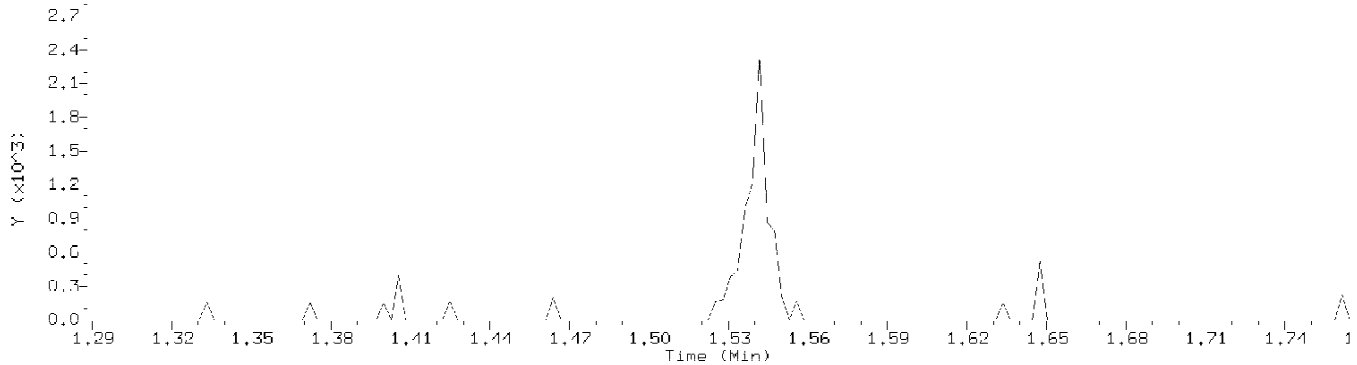
Original Ion: 67 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)



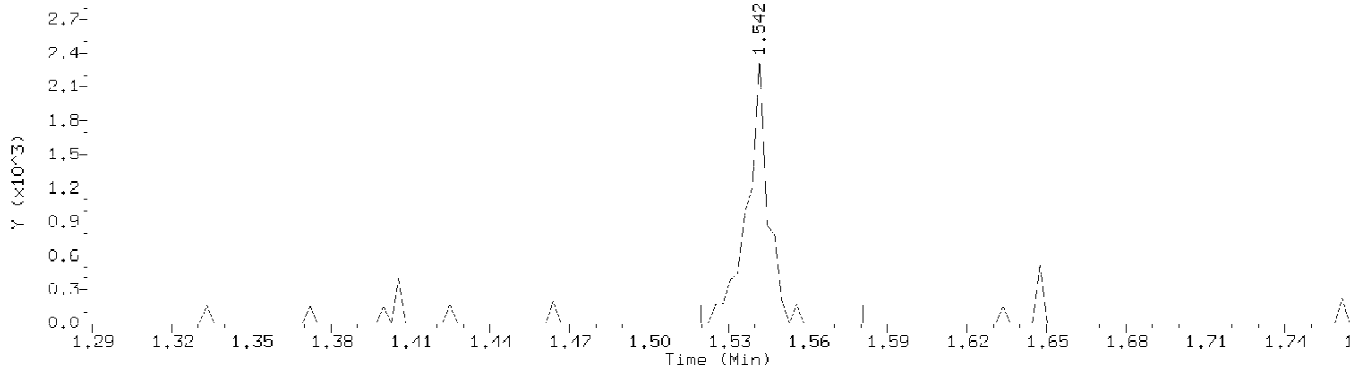
Manually Integrated Ion: 67 Area: 1491 Height: 1607 (02-May-2014 15:45 dengelhardt)



Original Ion: 117 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)

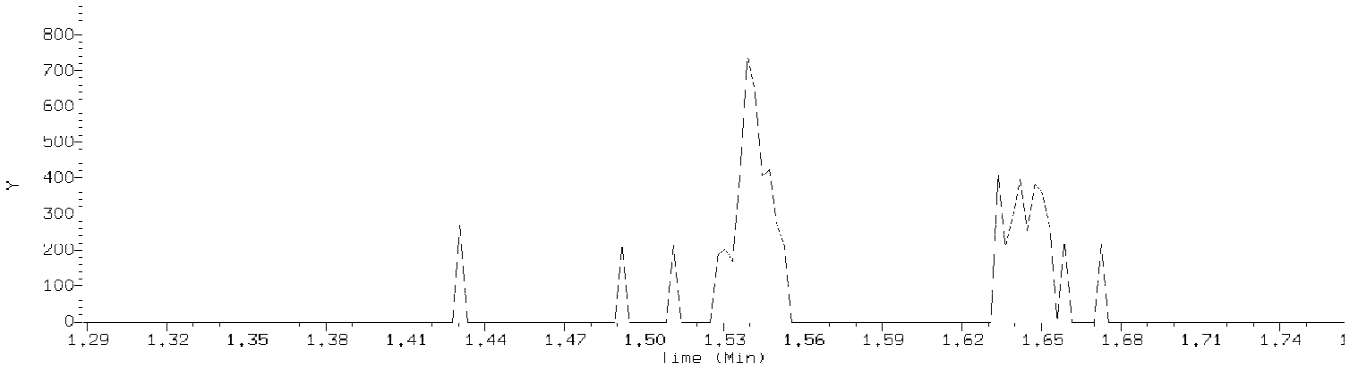


Manually Integrated Ion: 117 Area: 1298 Height: 2361 (02-May-2014 15:45 dengelhardt)

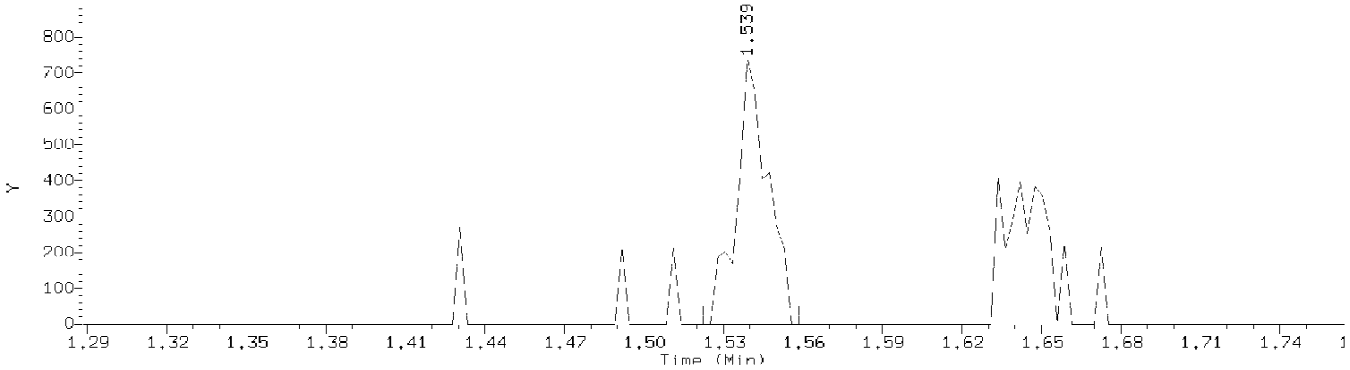


Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Original Ion: 85 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)



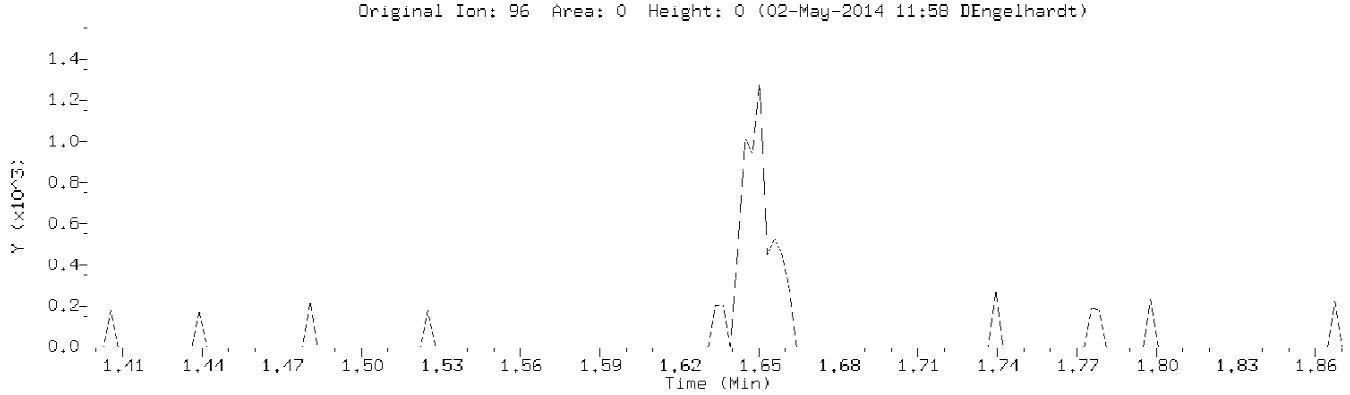
Manually Integrated Ion: 85 Area: 614 Height: 741 (02-May-2014 15:45 dengelhardt)



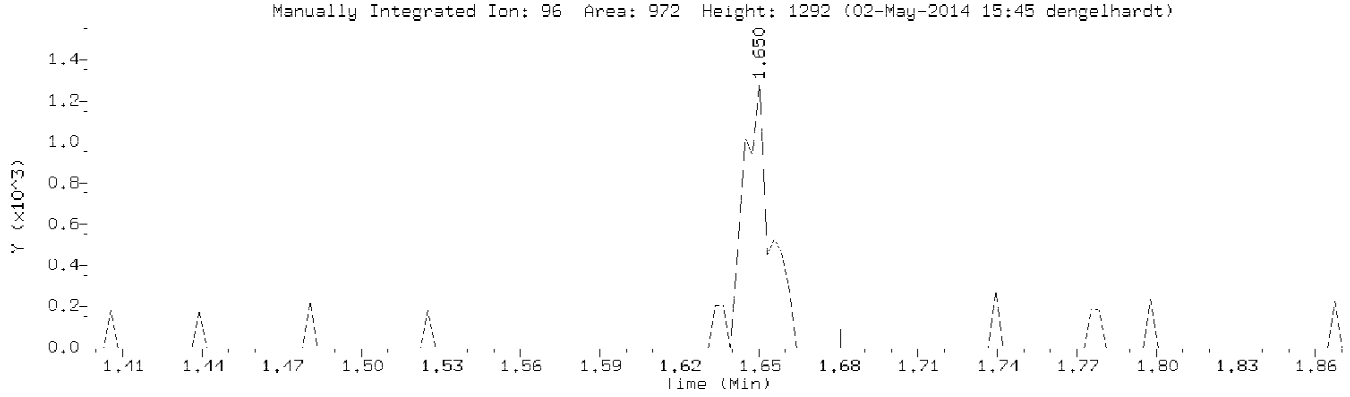
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Compound: 1,1-Dichloroethene
CAS Number: 75-35-4

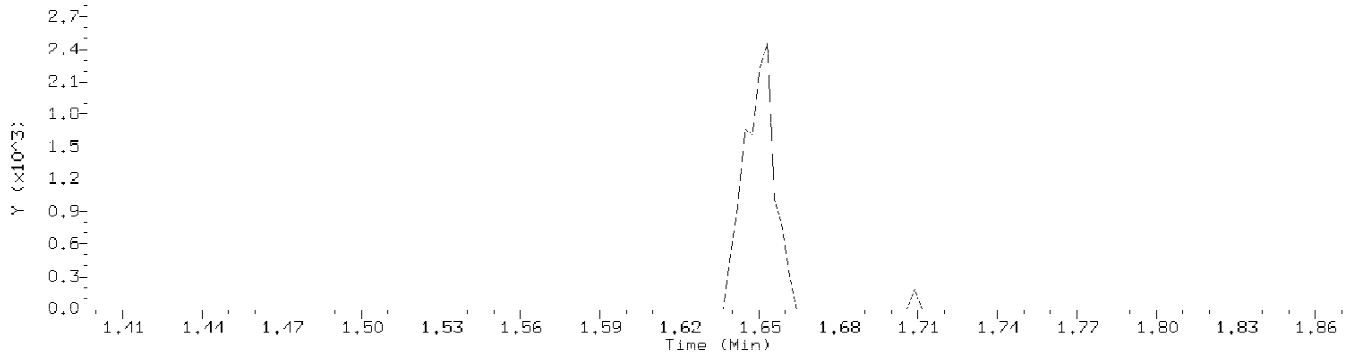
Original Ion: 96 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)



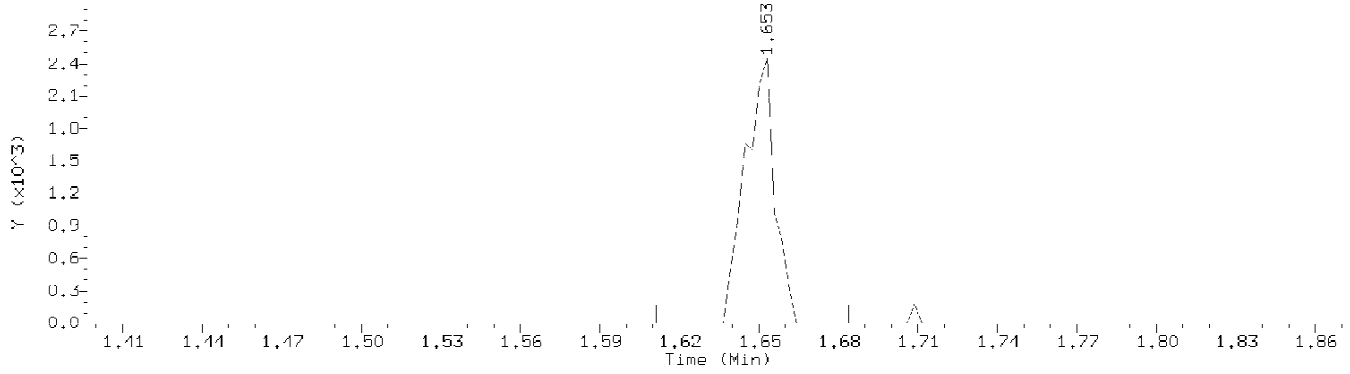
Manually Integrated Ion: 96 Area: 972 Height: 1292 (02-May-2014 15:45 dengelhardt)



Original Ion: 61 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)

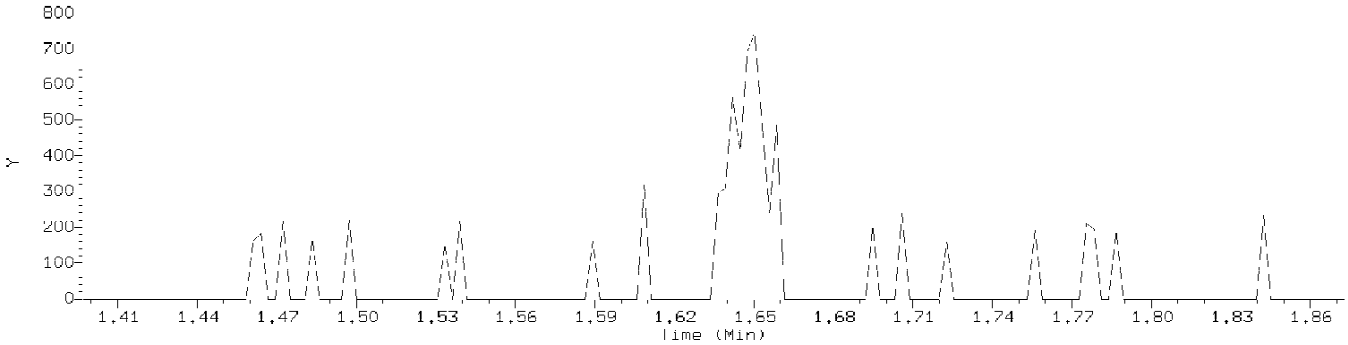


Manually Integrated Ion: 61 Area: 1916 Height: 2457 (02-May-2014 15:45 dengelhardt)

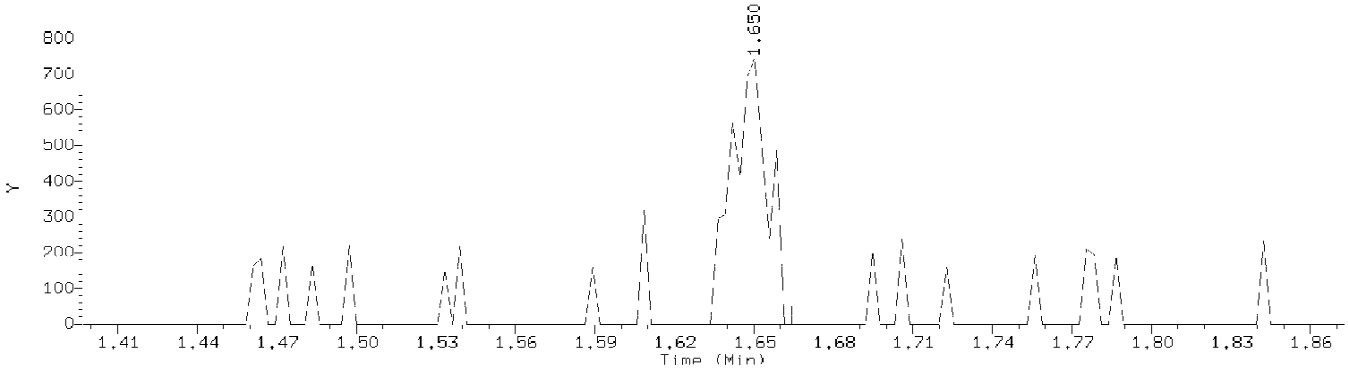


Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Original Ion: 63 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)



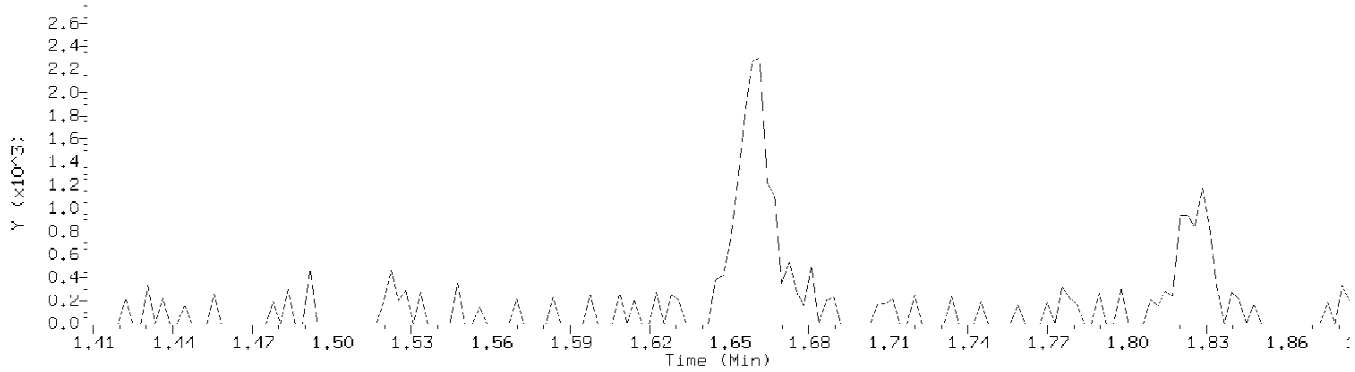
Manually Integrated Ion: 63 Area: 704 Height: 744 (02-May-2014 15:45 dengelhardt)



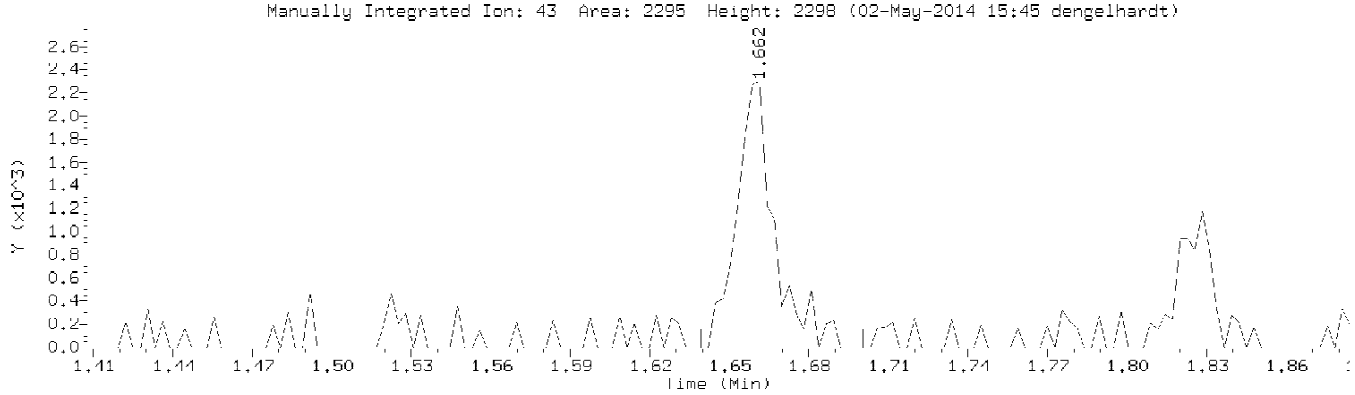
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Compound: Acetone
CAS Number: 67-64-1

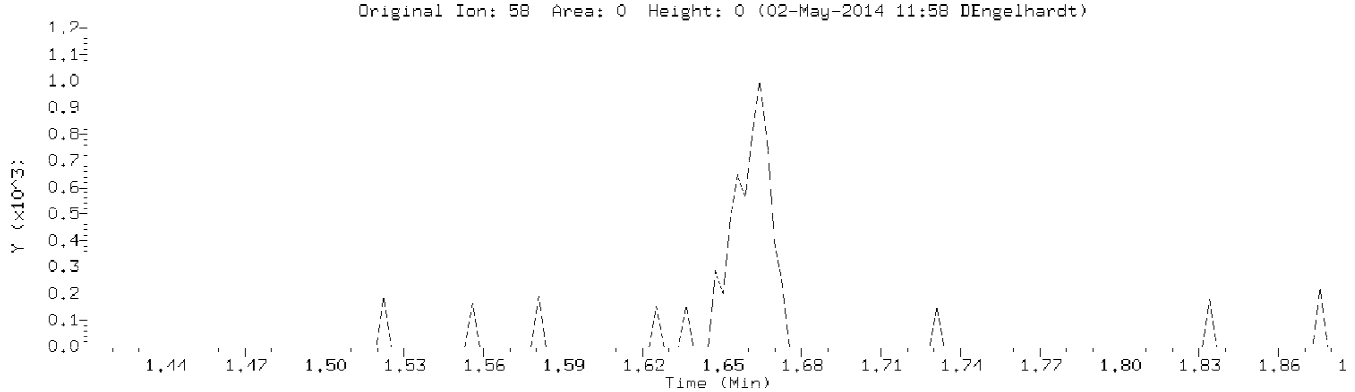
Original Ion: 43 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)



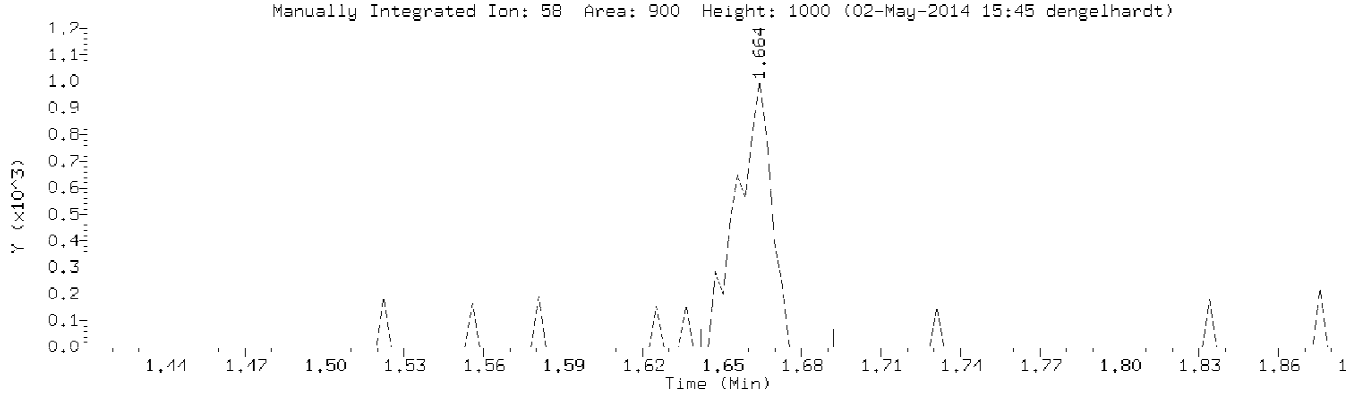
Manually Integrated Ion: 43 Area: 2295 Height: 2298 (02-May-2014 15:45 dengelhardt)



Original Ion: 58 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)



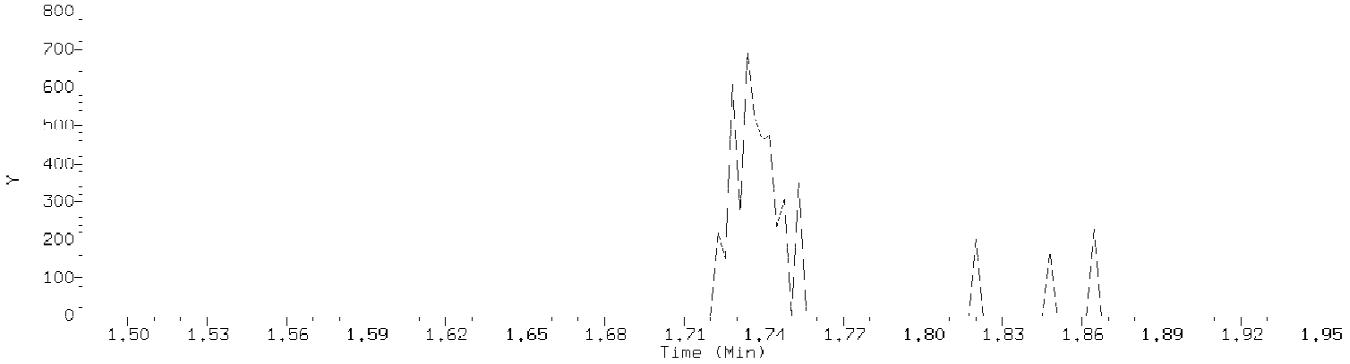
Manually Integrated Ion: 58 Area: 900 Height: 1000 (02-May-2014 15:45 dengelhardt)



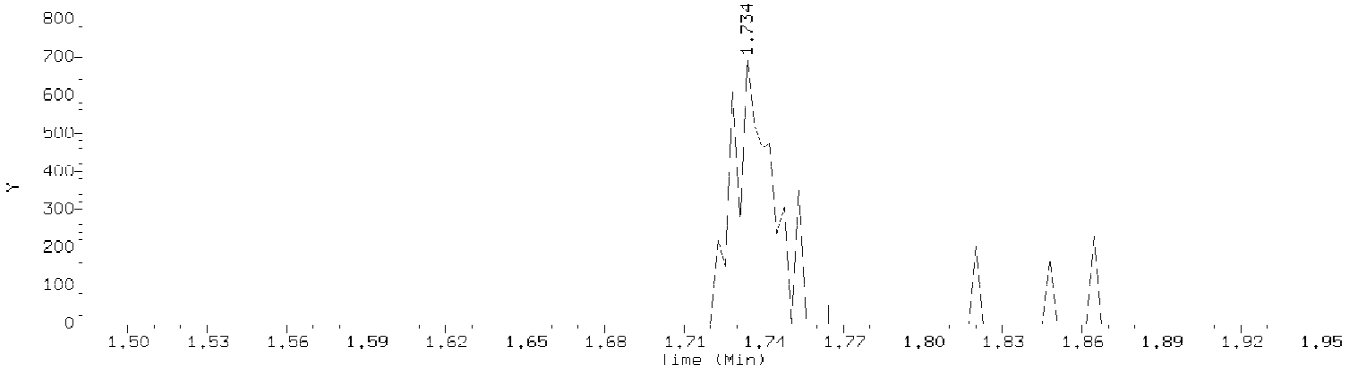
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Compound: Iodomethane
CAS Number:

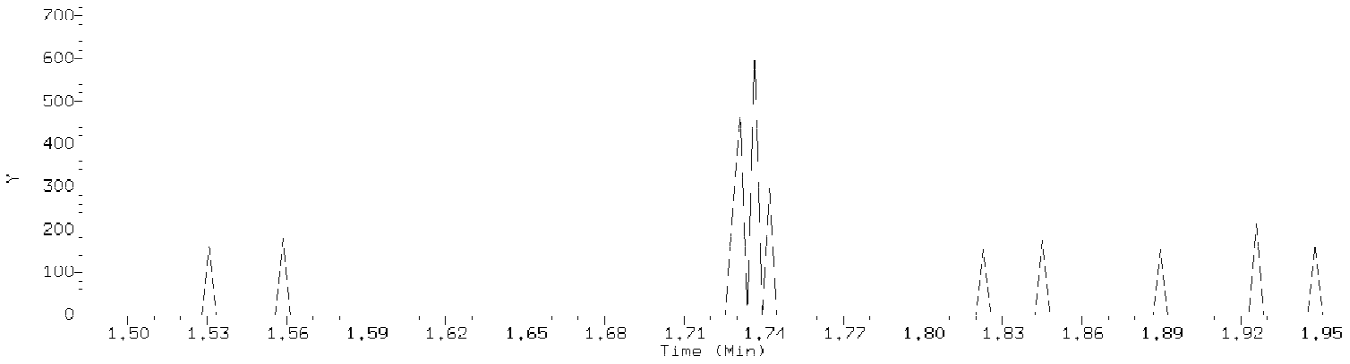
Original Ion: 142 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)



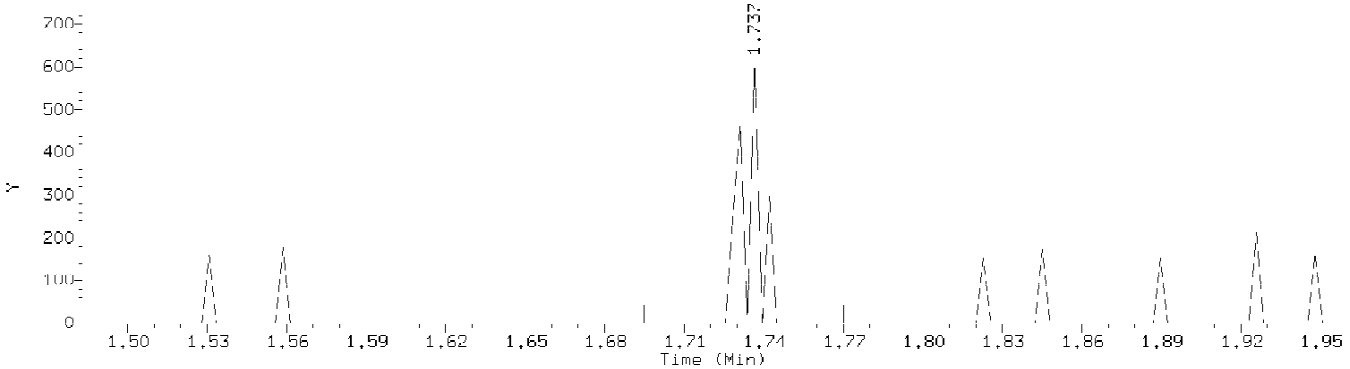
Manually Integrated Ion: 142 Area: 716 Height: 698 (02-May-2014 15:45 dengelhardt)



Original Ion: 127 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)

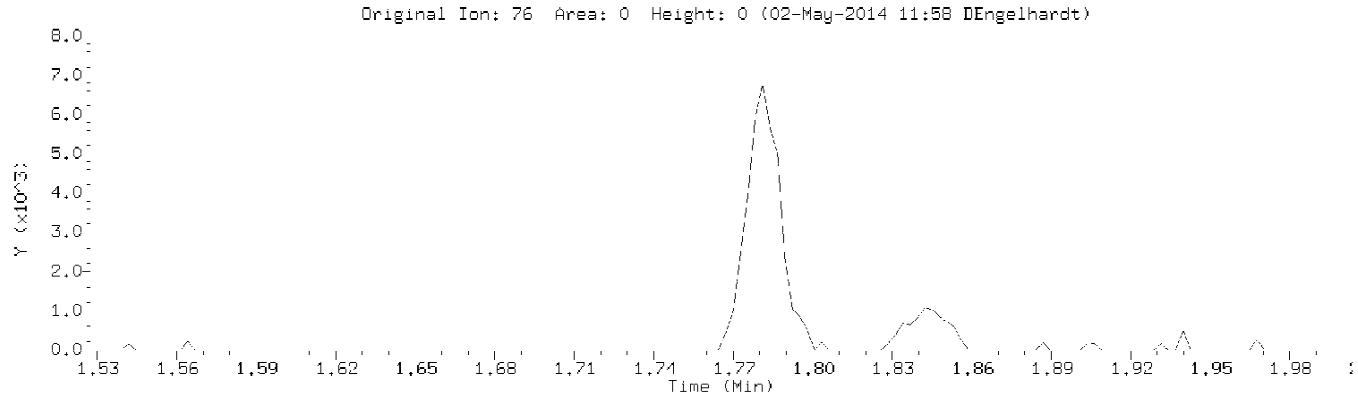


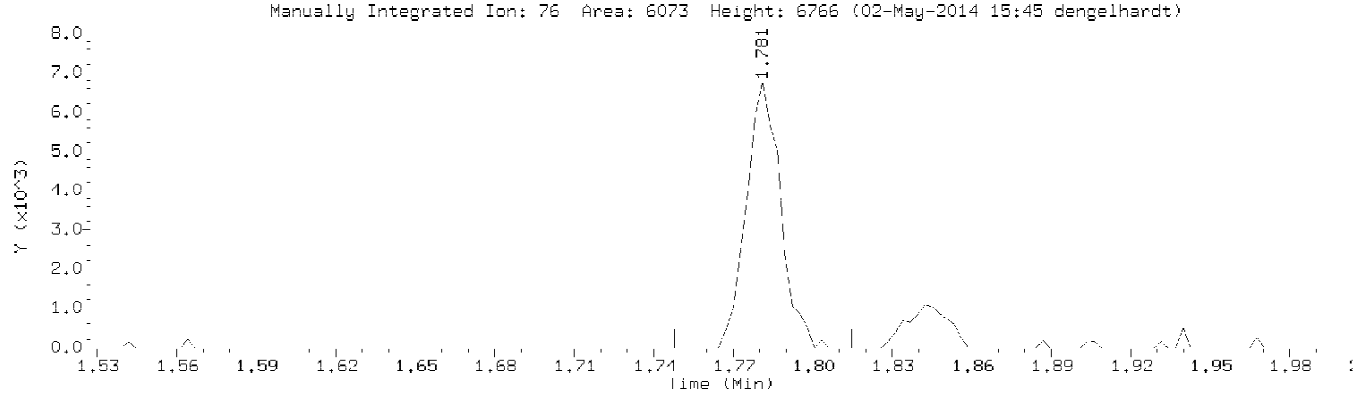
Manually Integrated Ion: 127 Area: 272 Height: 622 (02-May-2014 15:45 dengelhardt)

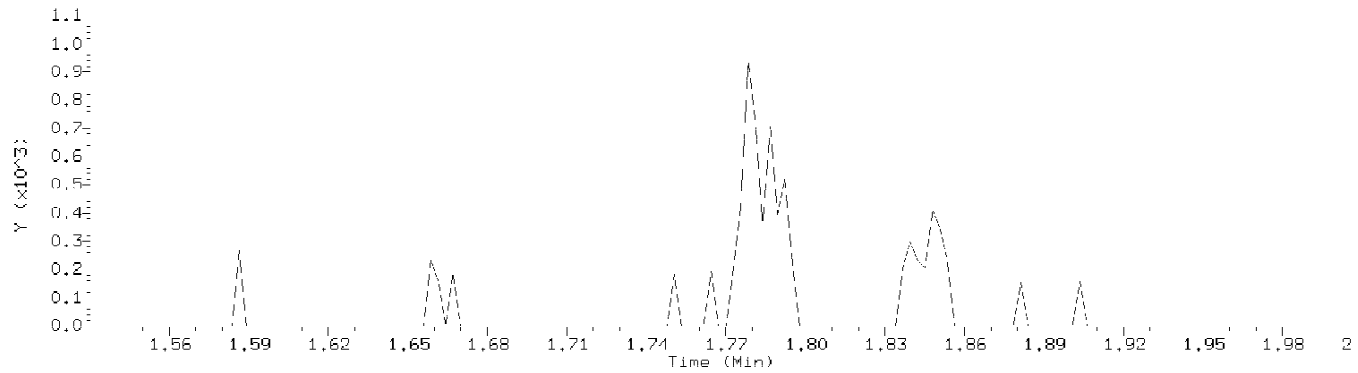


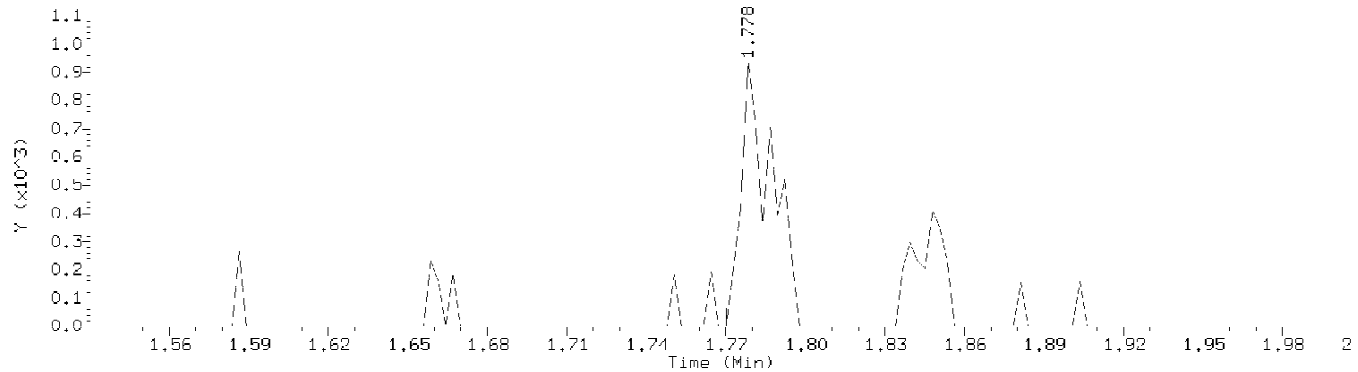
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Compound: Carbon Disulfide
CAS Number: 75-15-0





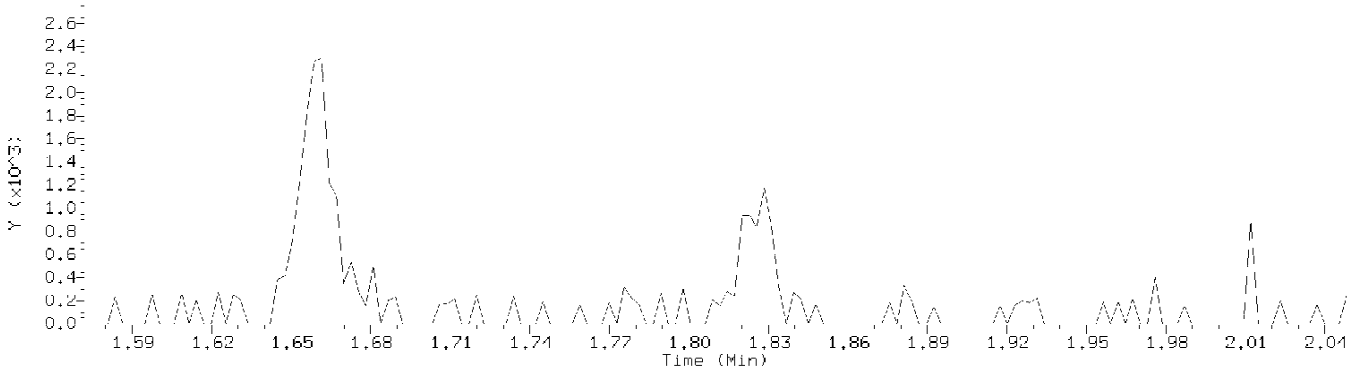




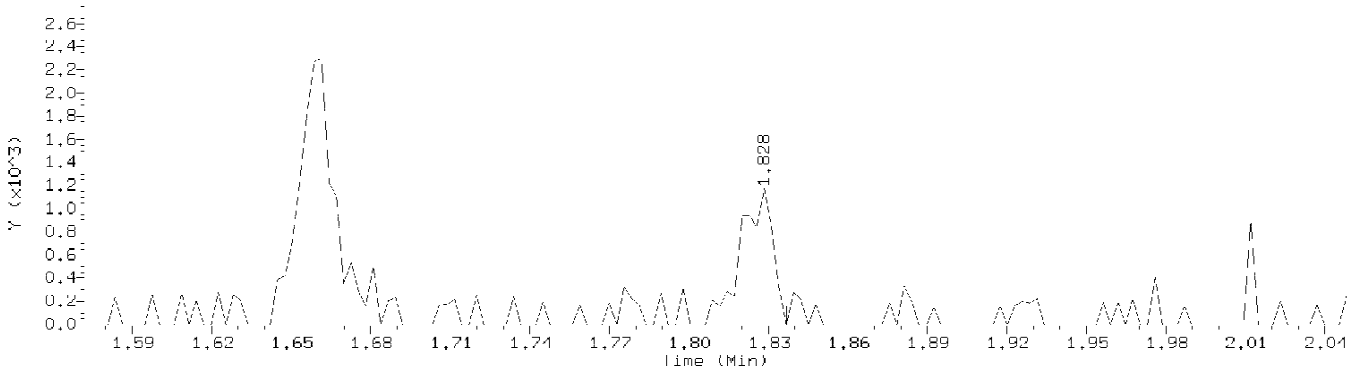
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Compound: Methyl Acetate
CAS Number: 79-20-9

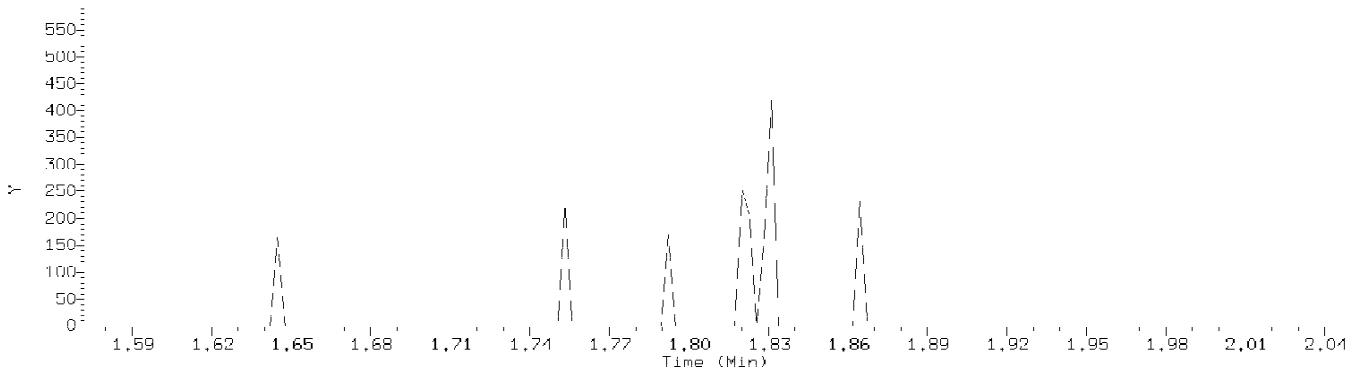
Original Ion: 43 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)



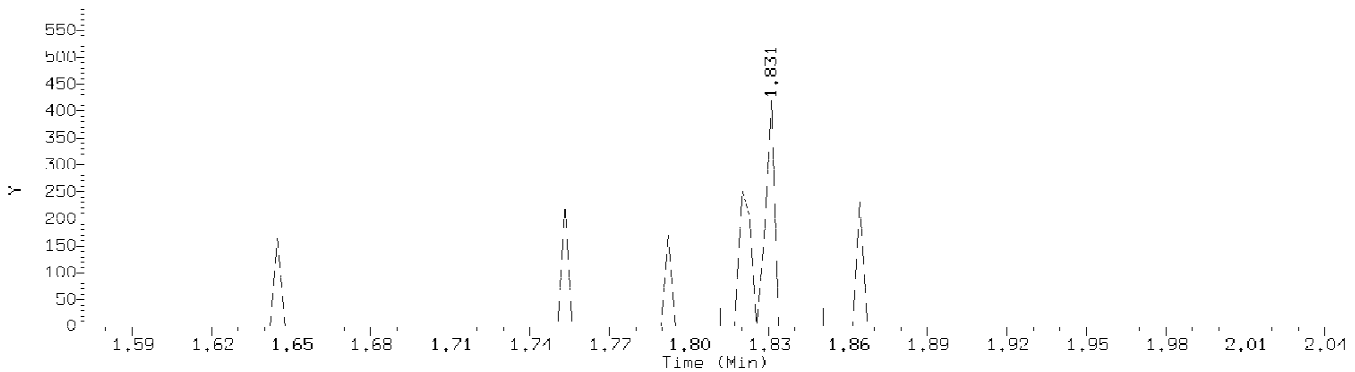
Manually Integrated Ion: 43 Area: 995 Height: 1176 (02-May-2014 15:45 dengelhardt)



Original Ion: 74 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)



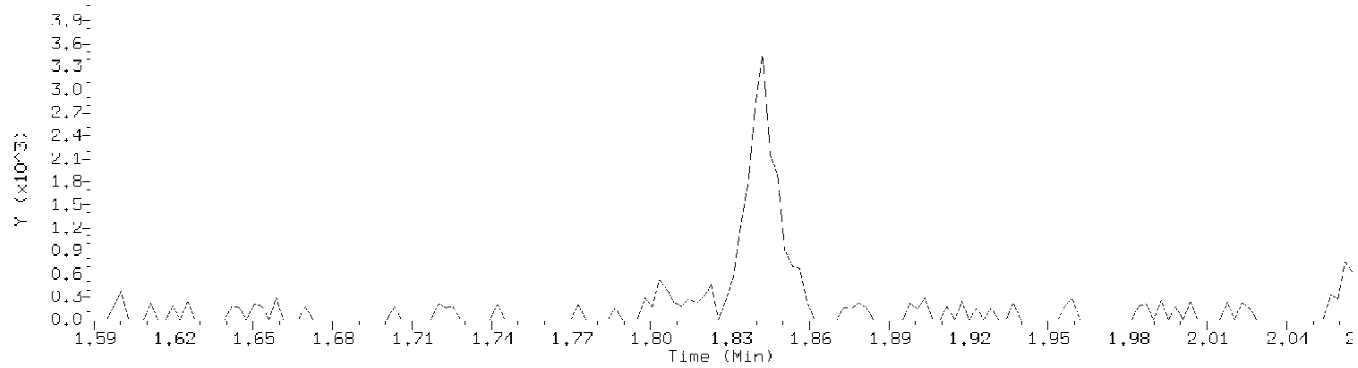
Manually Integrated Ion: 74 Area: 174 Height: 420 (02-May-2014 15:45 dengelhardt)



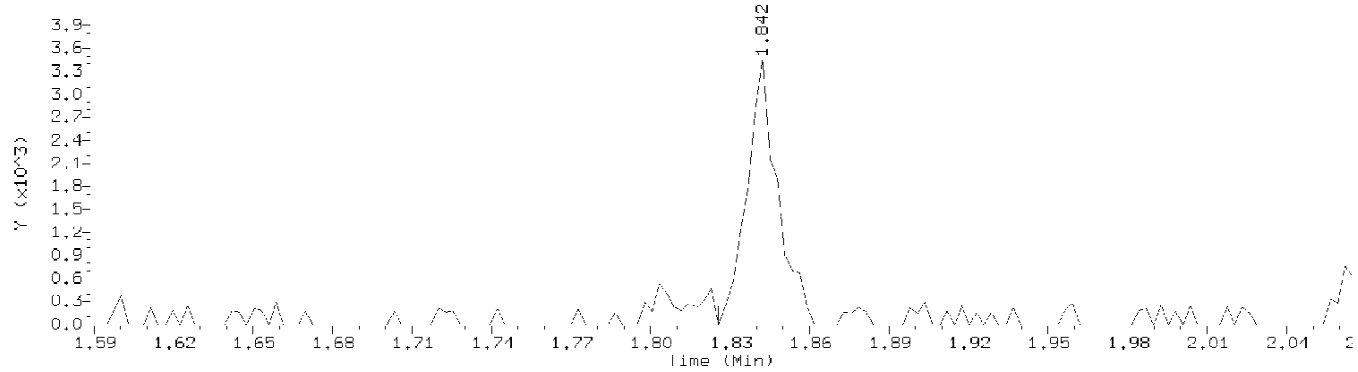
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Compound: allyl chloride
CAS Number: 107-05-1

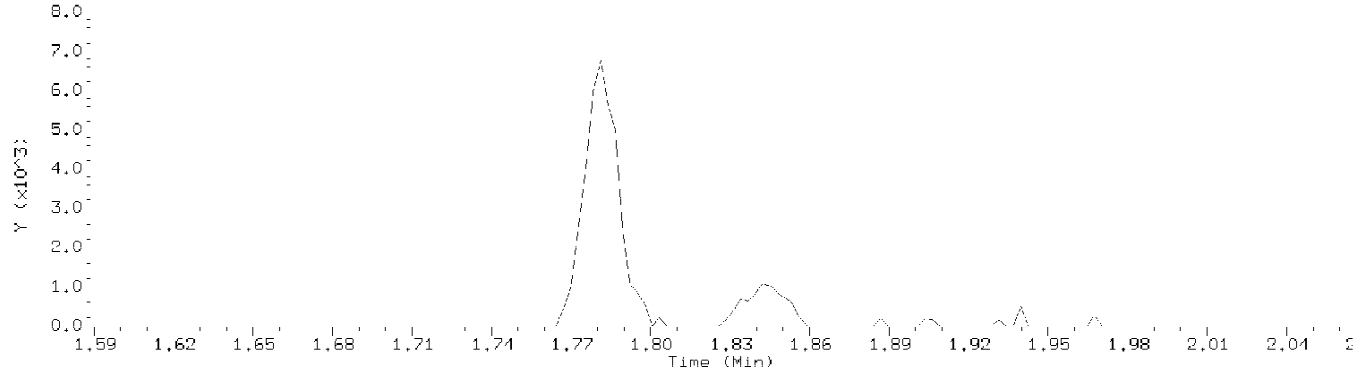
Original Ion: 41 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)



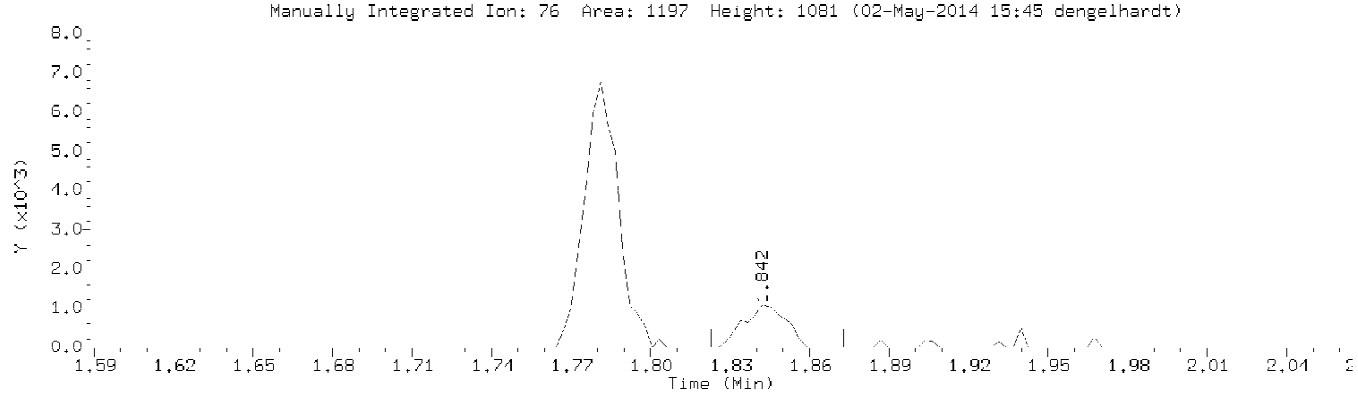
Manually Integrated Ion: 41 Area: 2785 Height: 3464 (02-May-2014 15:45 dengelhardt)



Original Ion: 76 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)



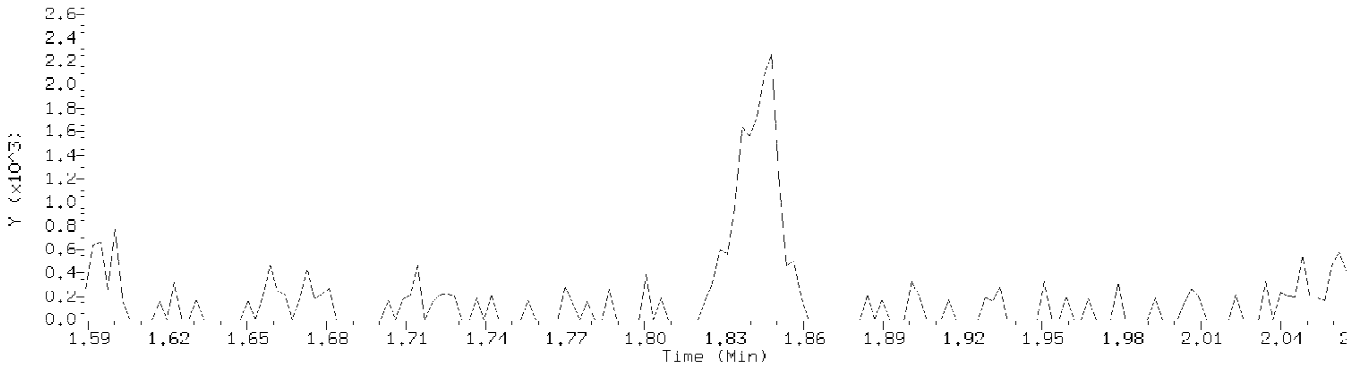
Manually Integrated Ion: 76 Area: 1197 Height: 1081 (02-May-2014 15:45 dengelhardt)



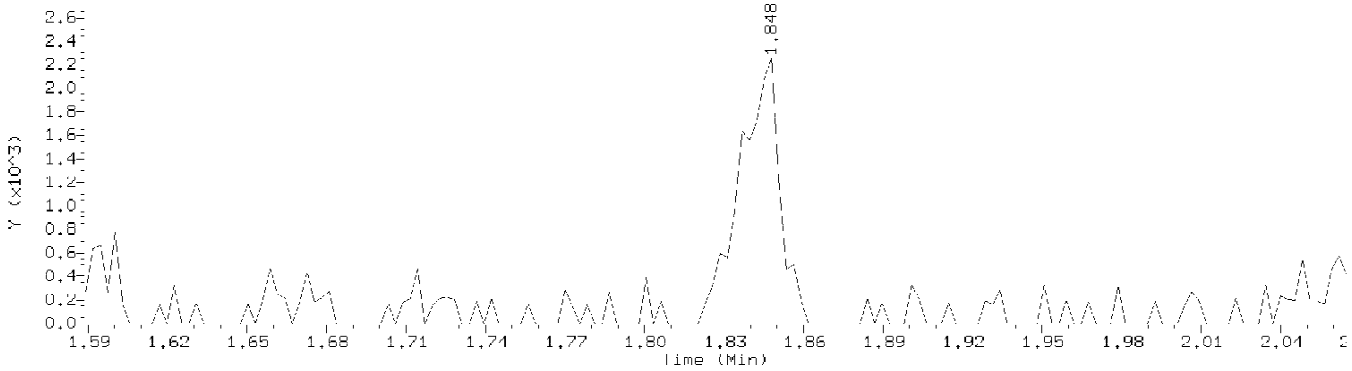
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Compound: Acetonitrile
CAS Number: 75-05-8

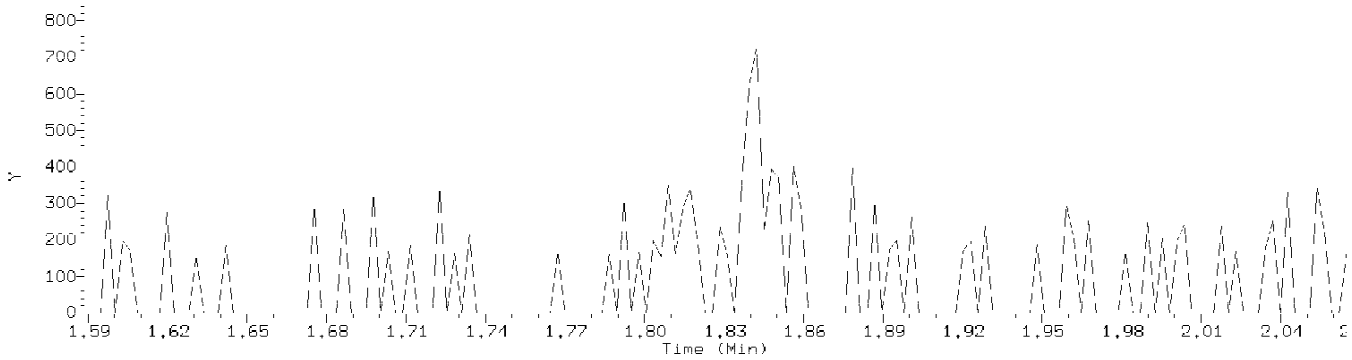
Original Ion: 39 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)



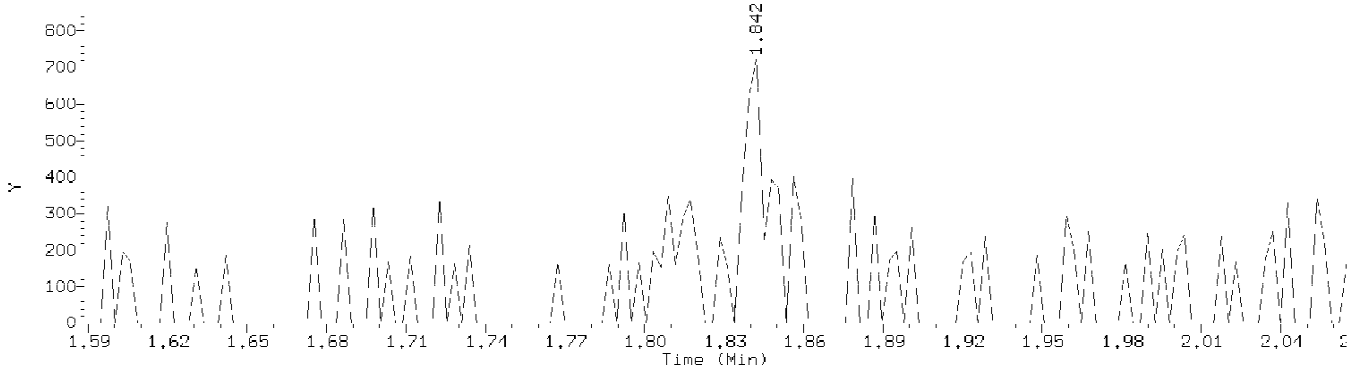
Manually Integrated Ion: 39 Area: 2373 Height: 2260 (02-May-2014 15:45 dengelhardt)



Original Ion: 40 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)

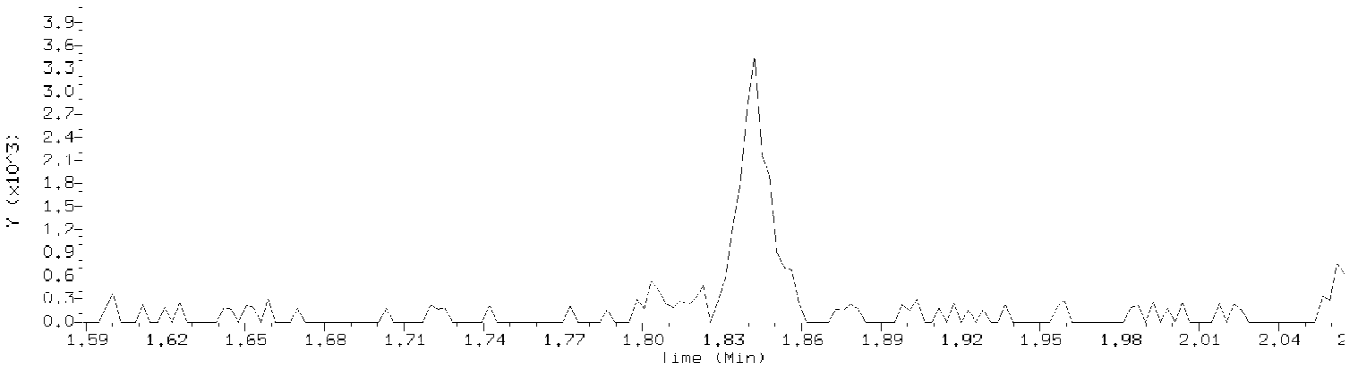


Manually Integrated Ion: 40 Area: 454 Height: 728 (02-May-2014 15:45 dengelhardt)

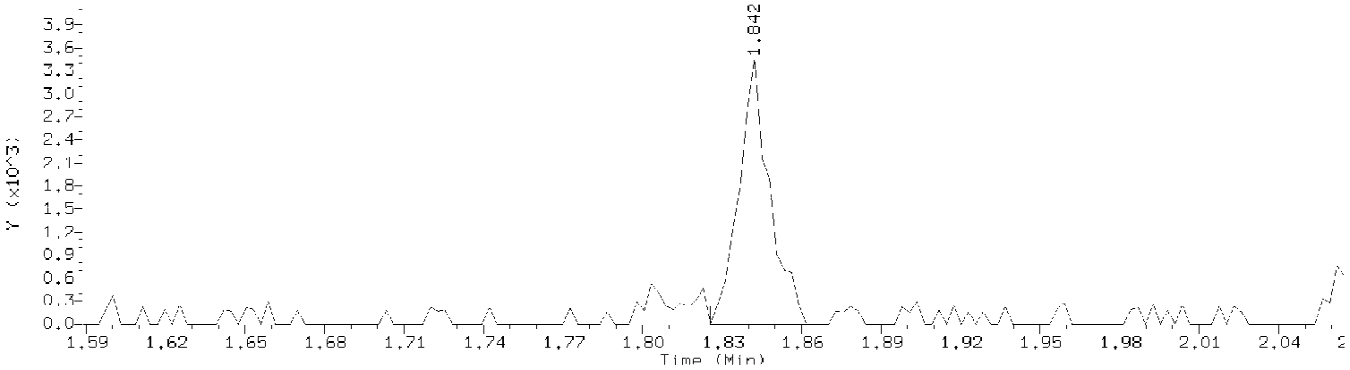


Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Original Ion: 41 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)

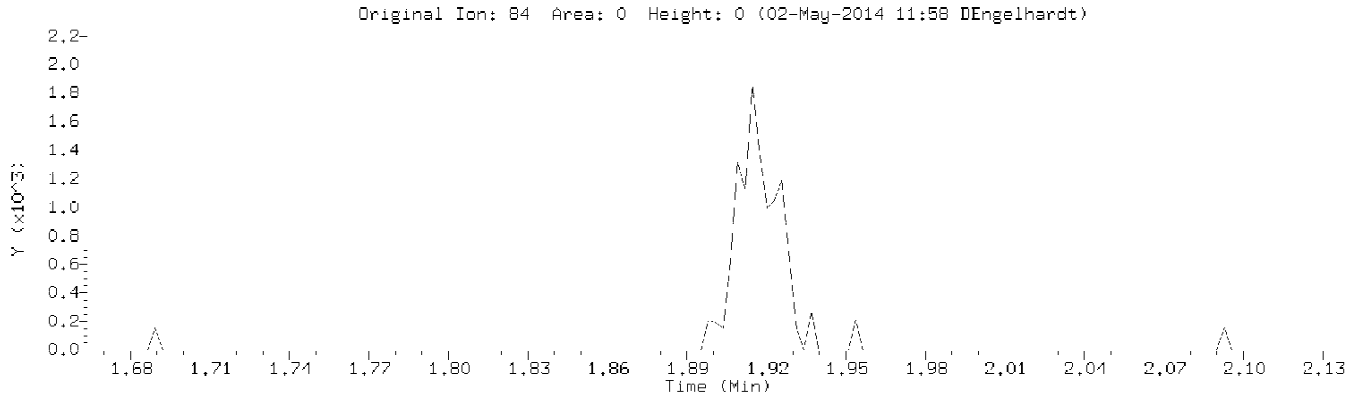


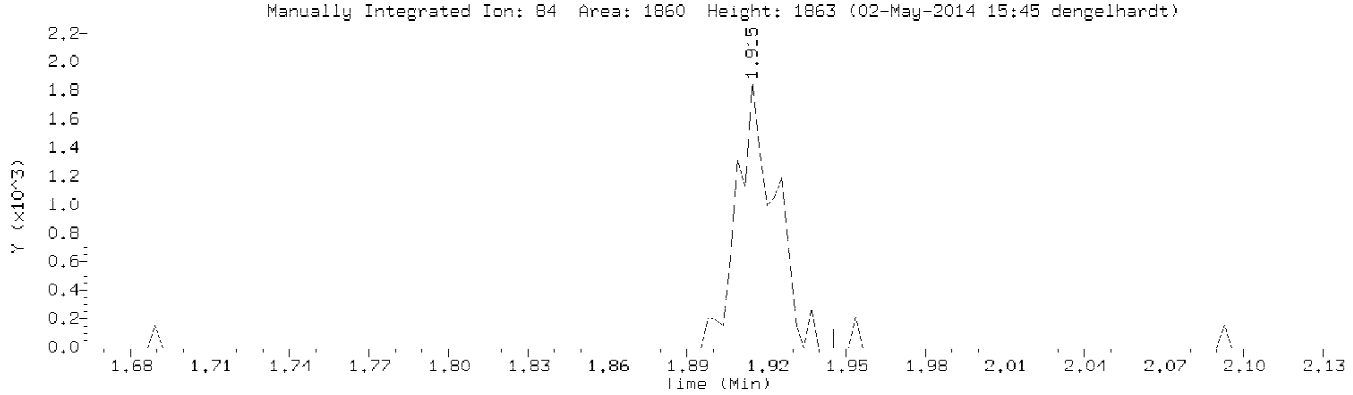
Manually Integrated Ion: 41 Area: 2785 Height: 3464 (02-May-2014 15:45 dengelhardt)

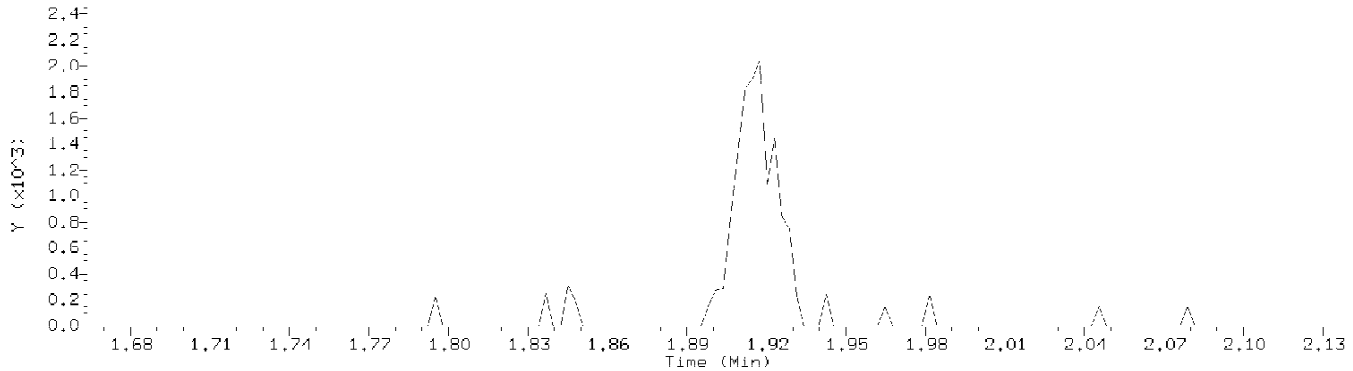


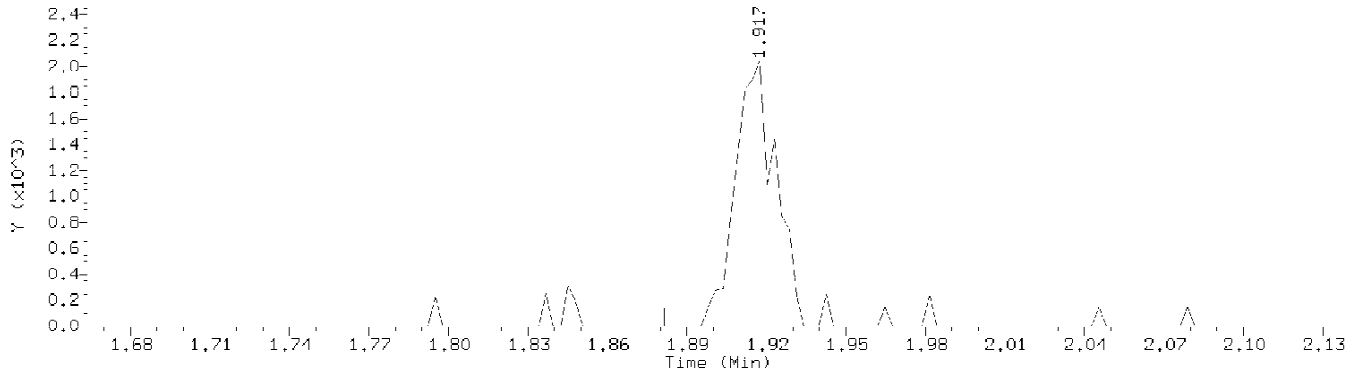
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Compound: Methylene Chloride
CAS Number: 75-09-2

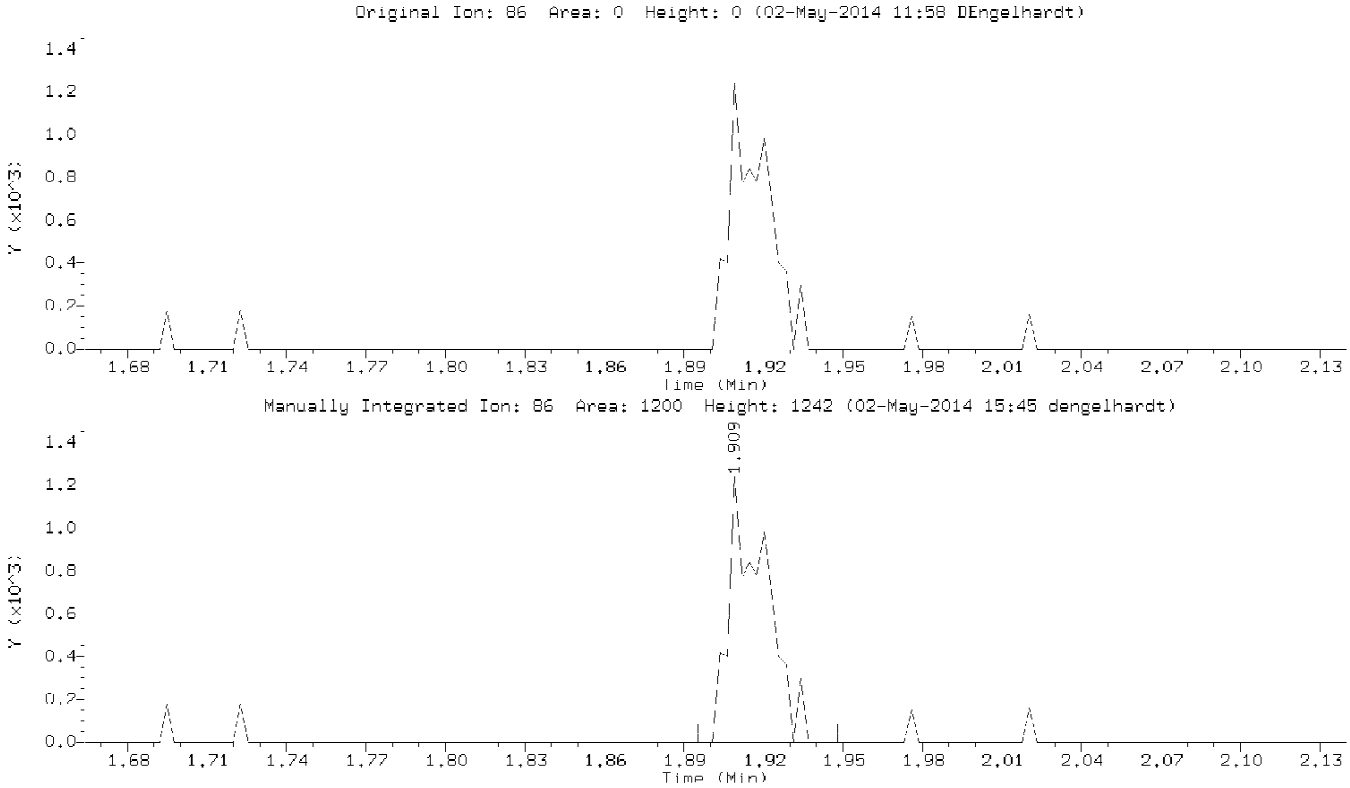








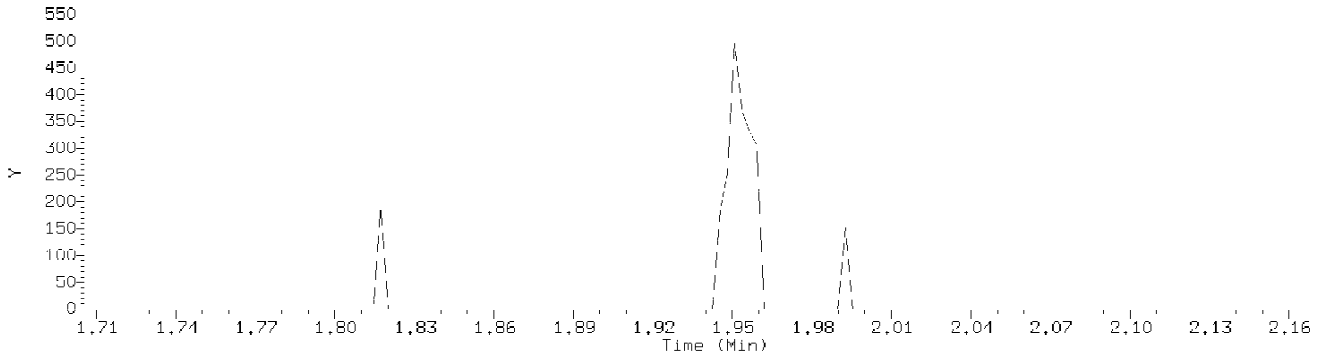
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0



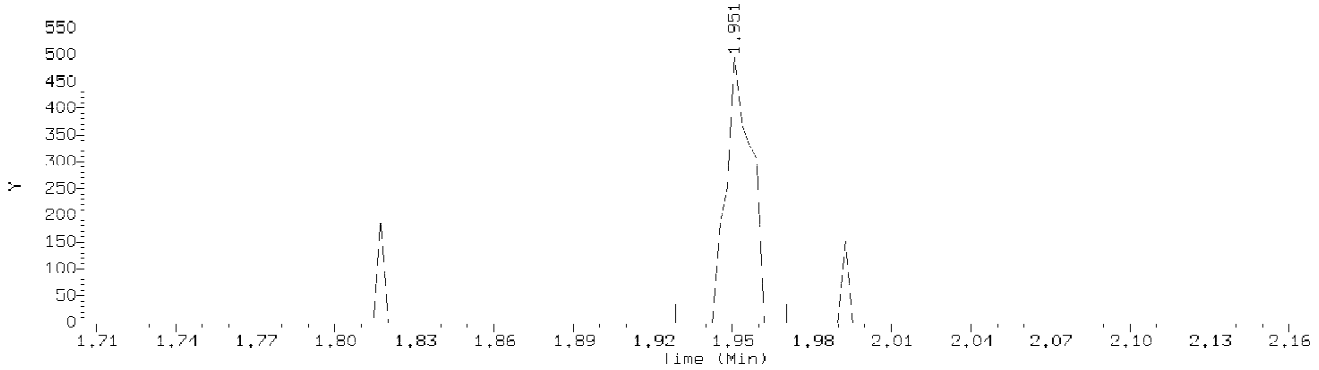
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Compound: tert-Butyl Alcohol
CAS Number: 75-65-0

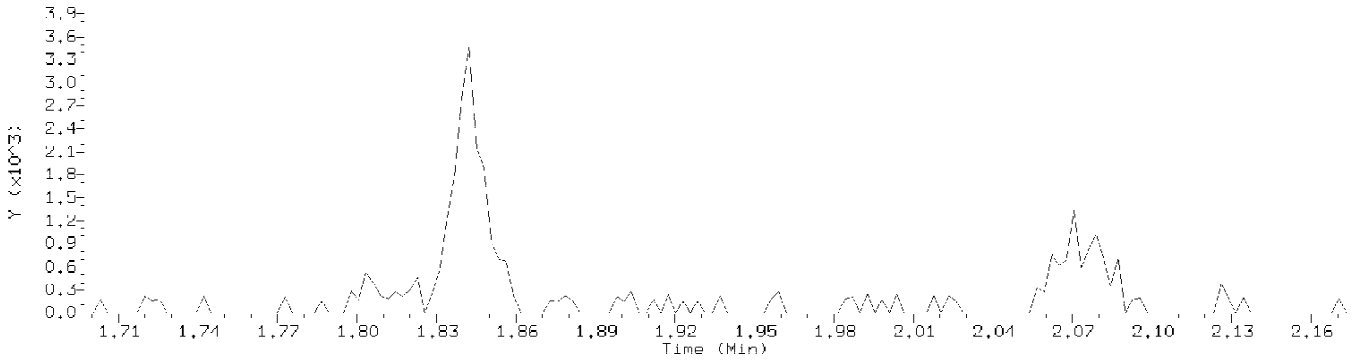
Original Ion: 59 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)



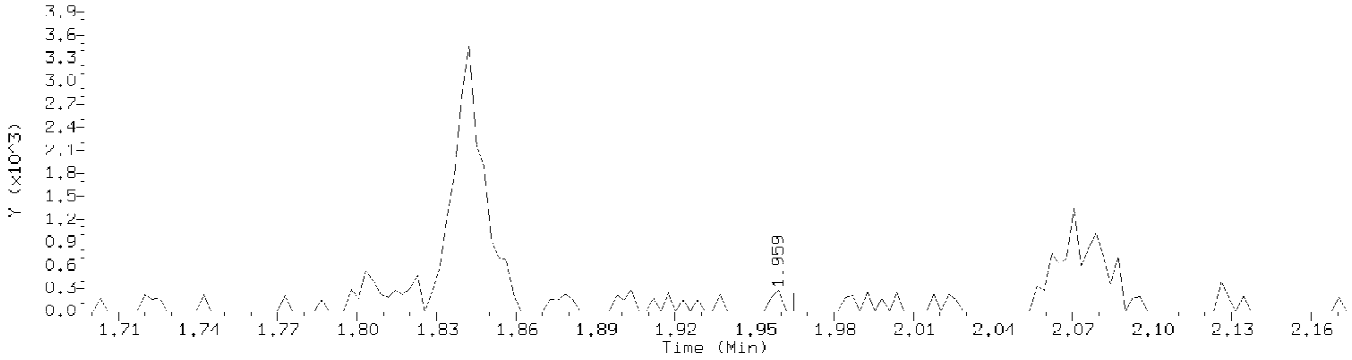
Manually Integrated Ion: 59 Area: 323 Height: 496 (02-May-2014 15:45 dengelhardt)



Original Ion: 41 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)



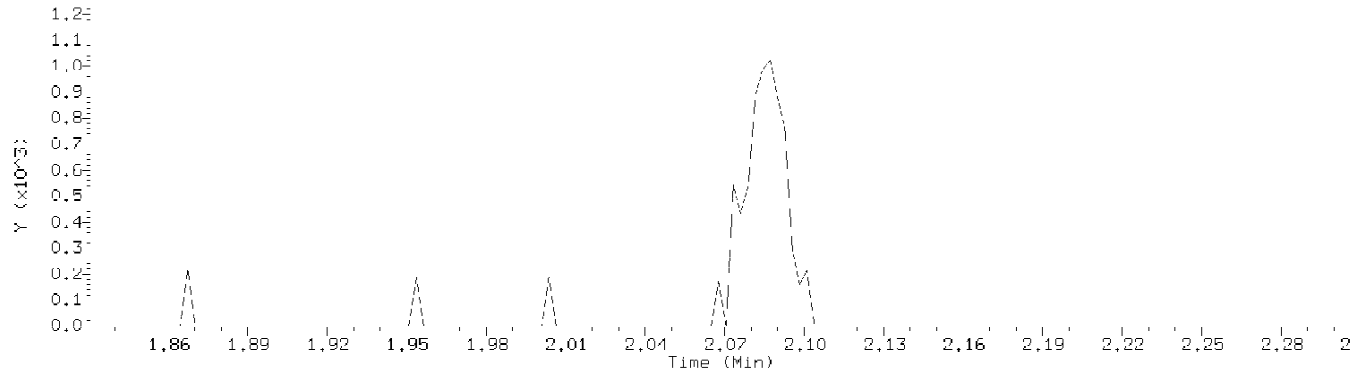
Manually Integrated Ion: 41 Area: 78 Height: 283 (02-May-2014 15:45 dengelhardt)



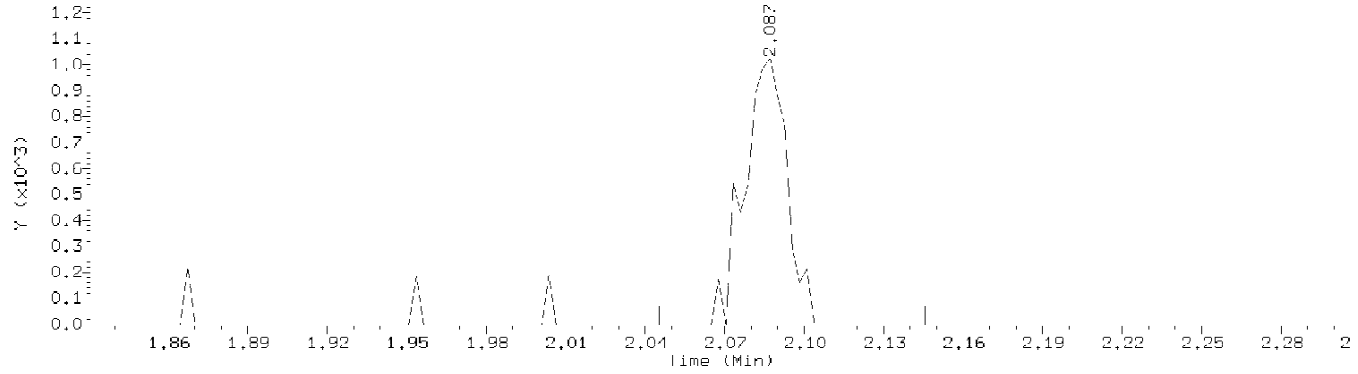
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Compound: 1,2-Dichloroethene (trans)
CAS Number: 156-60-5

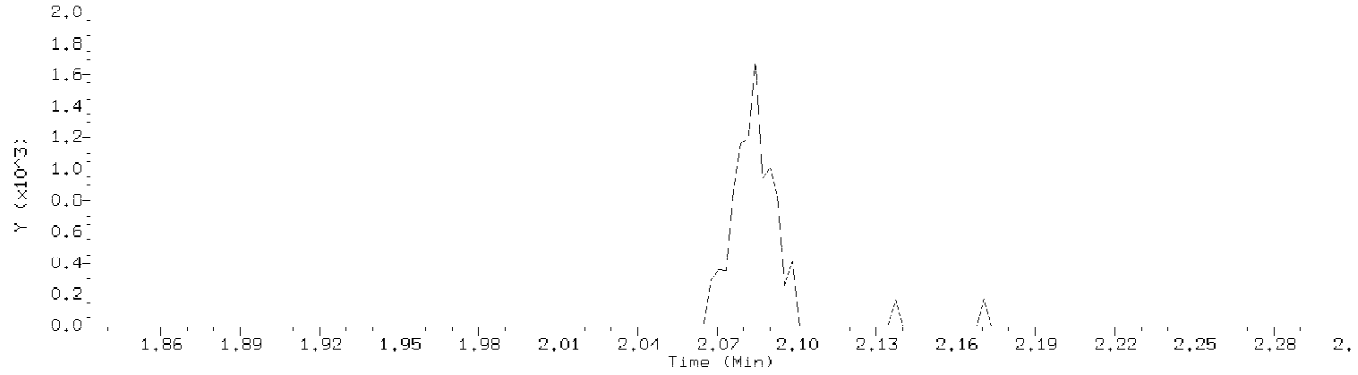
Original Ion: 96 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)



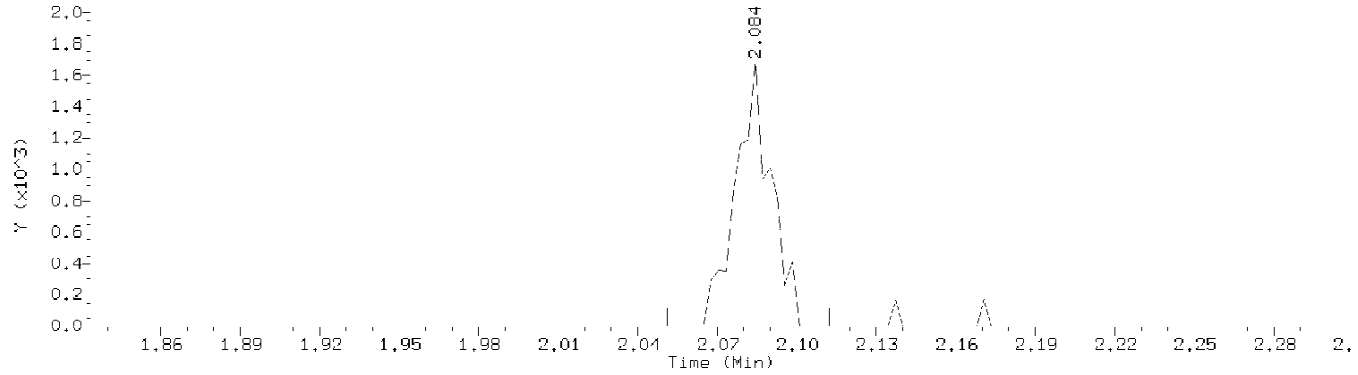
Manually Integrated Ion: 96 Area: 1152 Height: 1023 (02-May-2014 15:45 dengelhardt)



Original Ion: 61 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)

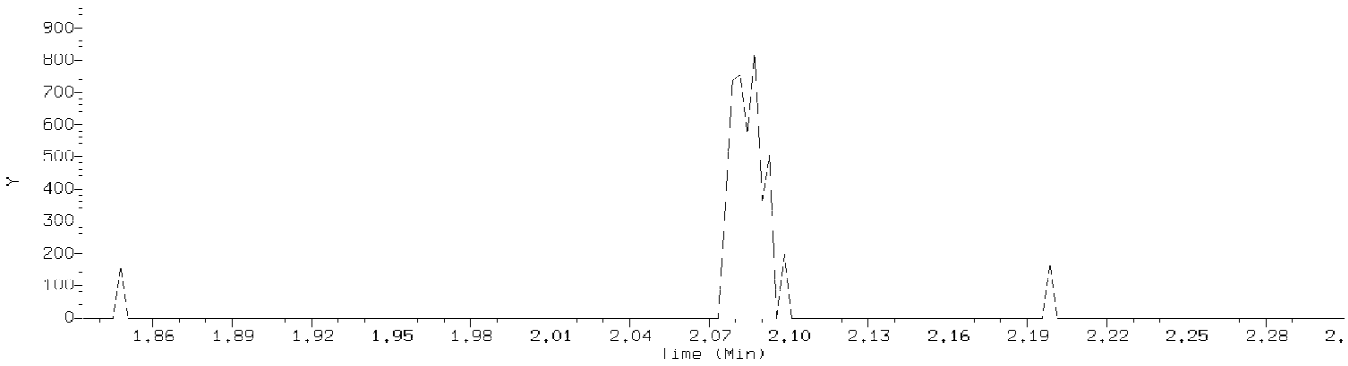


Manually Integrated Ion: 61 Area: 1561 Height: 1695 (02-May-2014 15:45 dengelhardt)

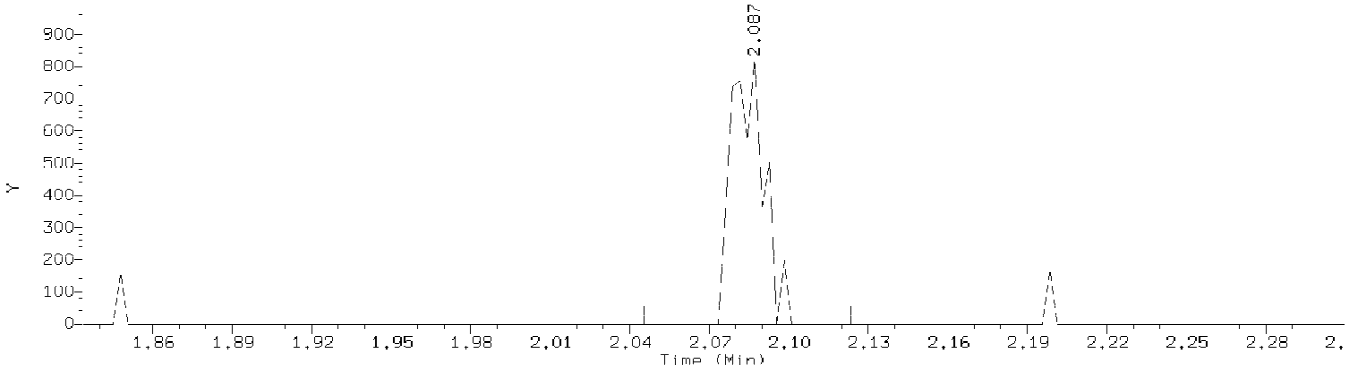


Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Original Ion: 98 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)

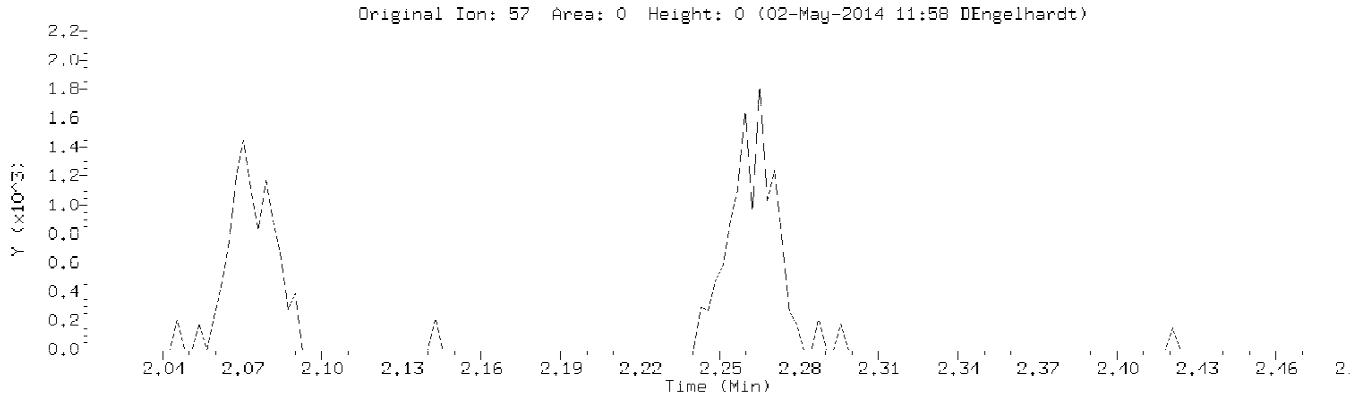


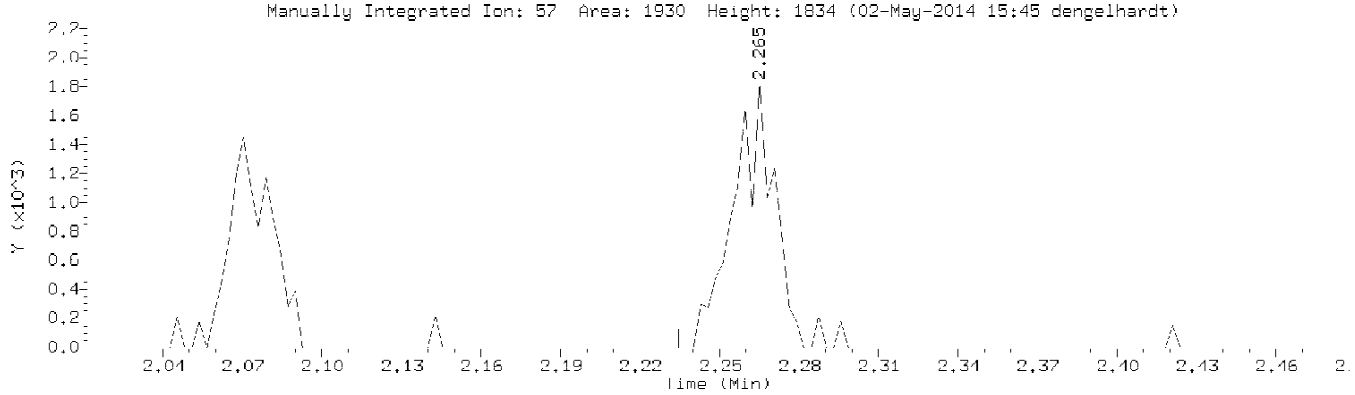
Manually Integrated Ion: 98 Area: 717 Height: 825 (02-May-2014 15:45 dengelhardt)

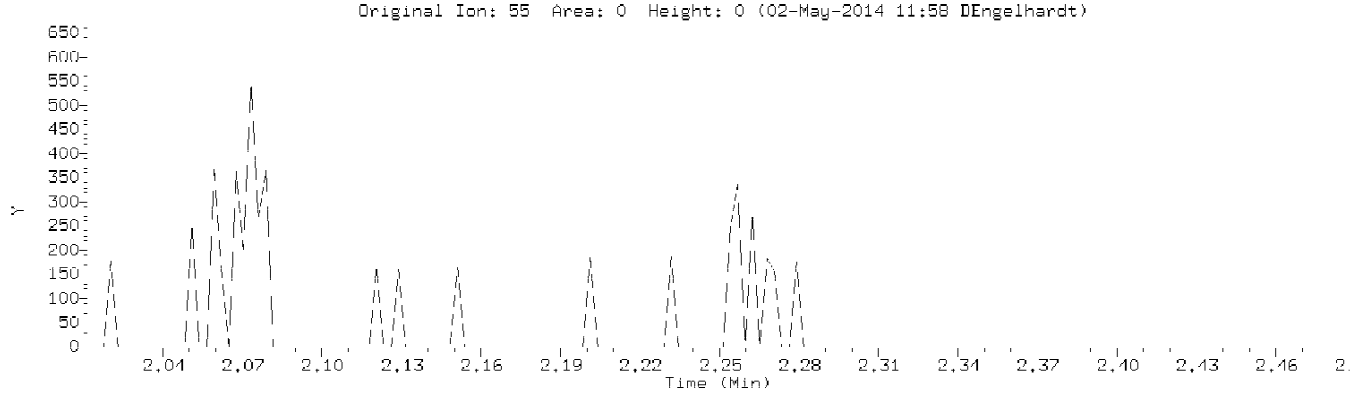


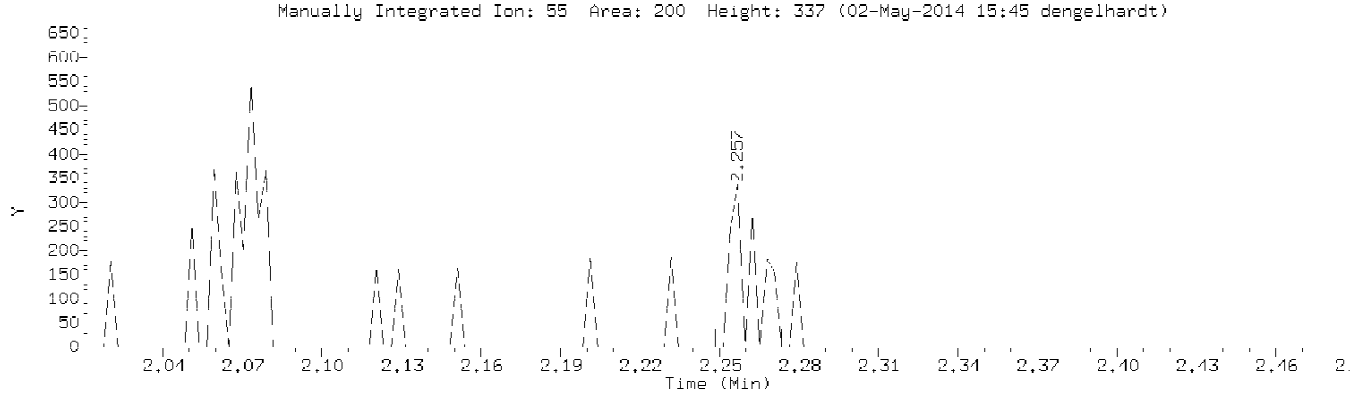
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Compound: n-Hexane
CAS Number:



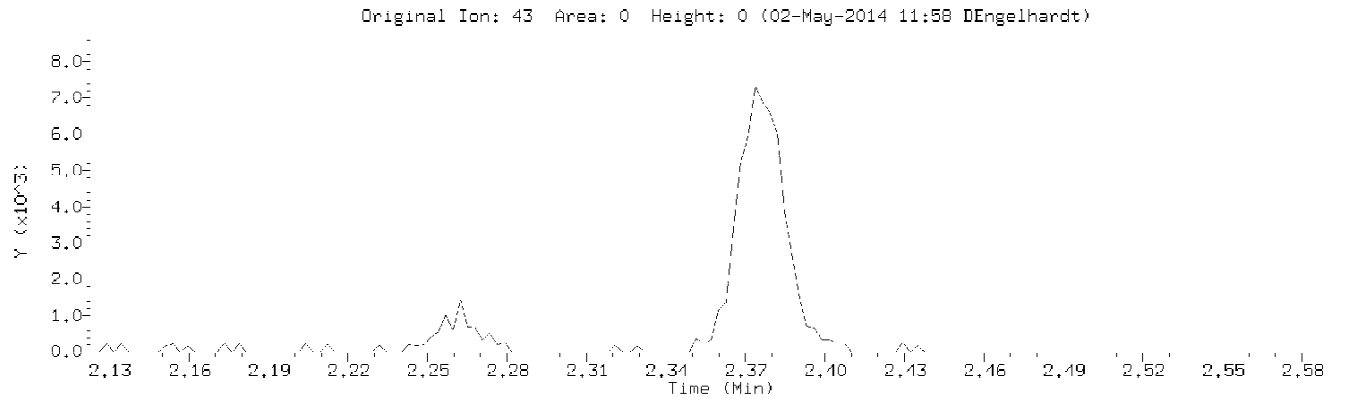


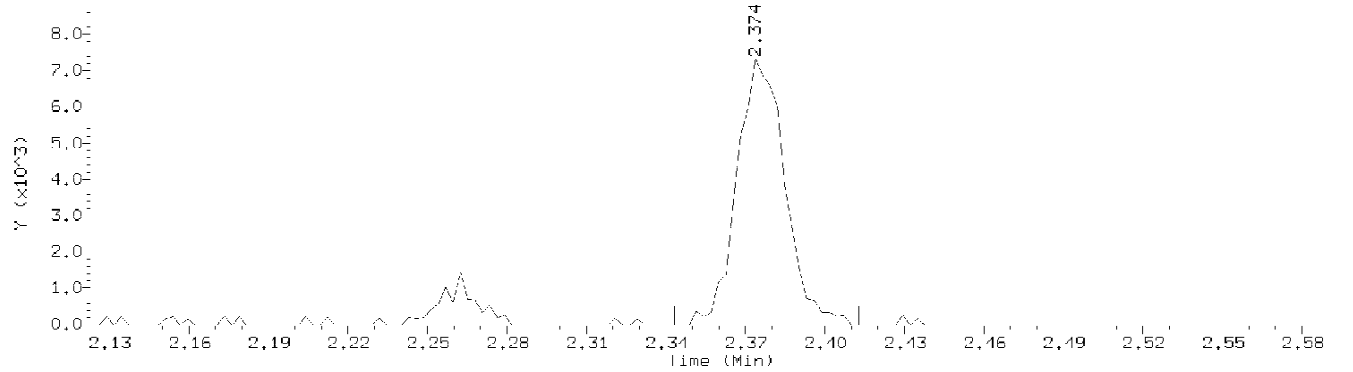


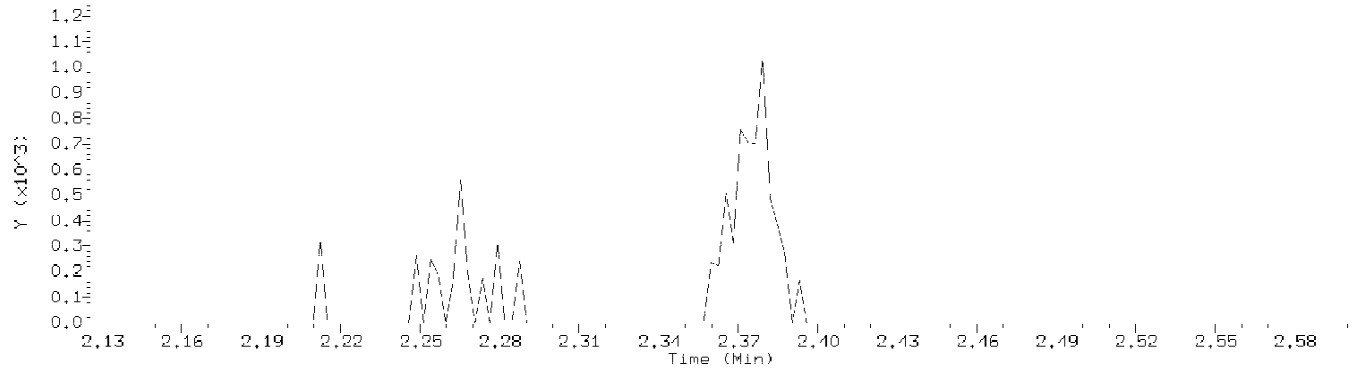


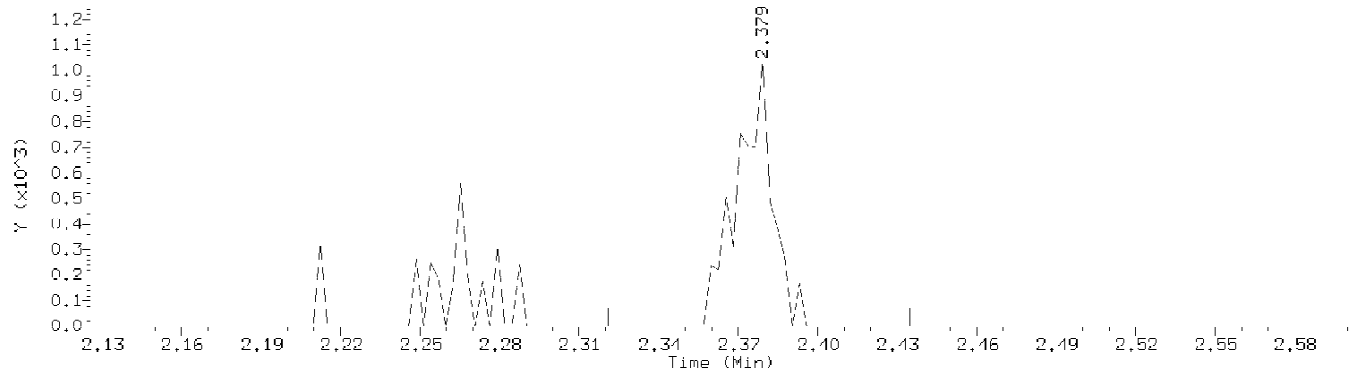
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Compound: Vinyl Acetate
CAS Number: 108-05-4





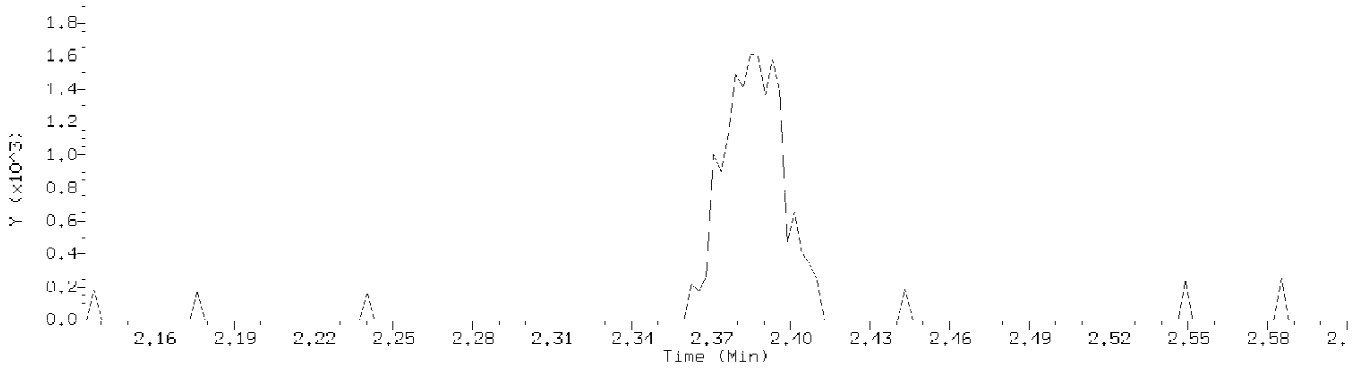




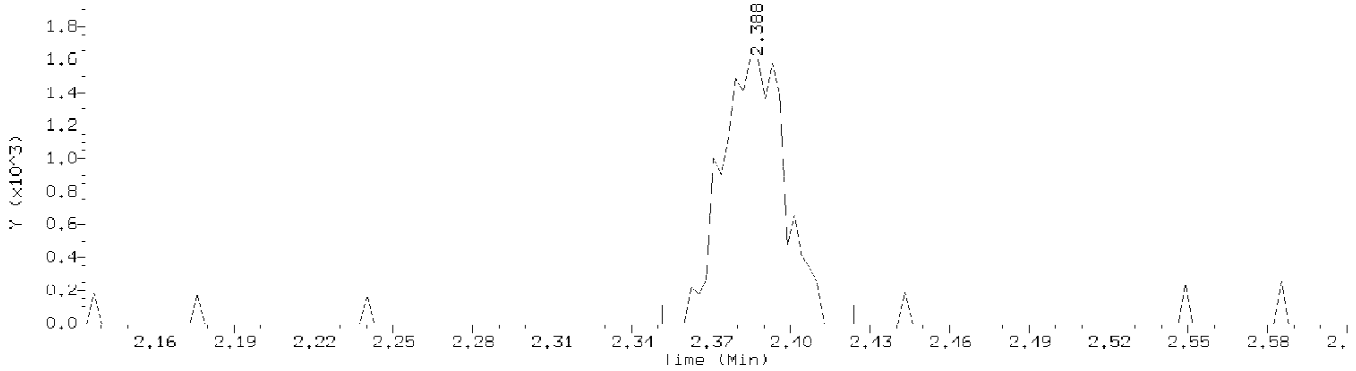
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Compound: 1,1-Dichloroethane
CAS Number: 75-34-3

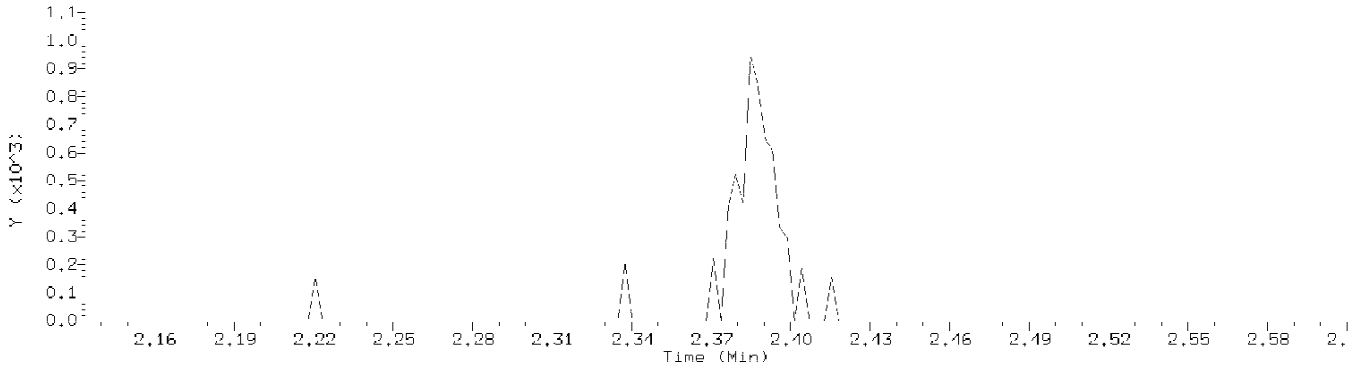
Original Ion: 63 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)



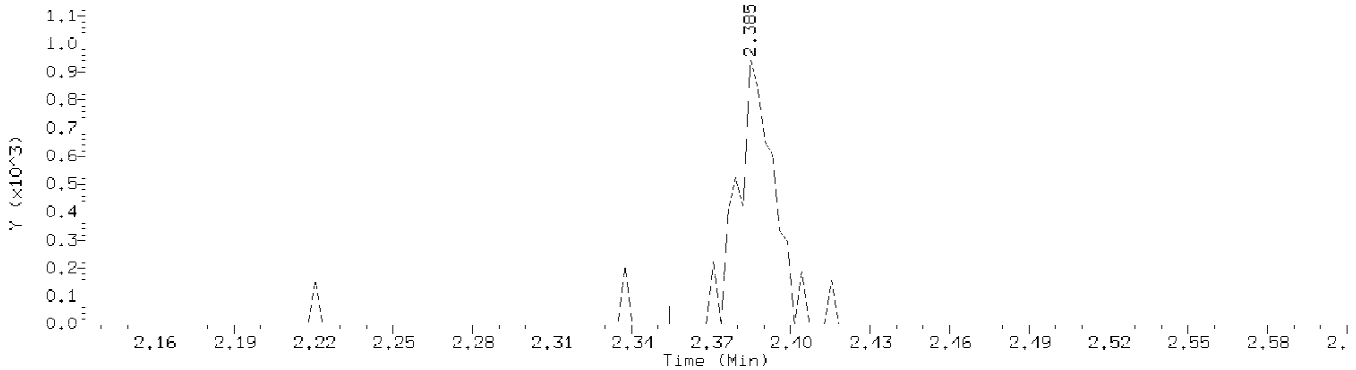
Manually Integrated Ion: 63 Area: 2716 Height: 1611 (02-May-2014 15:45 dengelhardt)



Original Ion: 65 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)

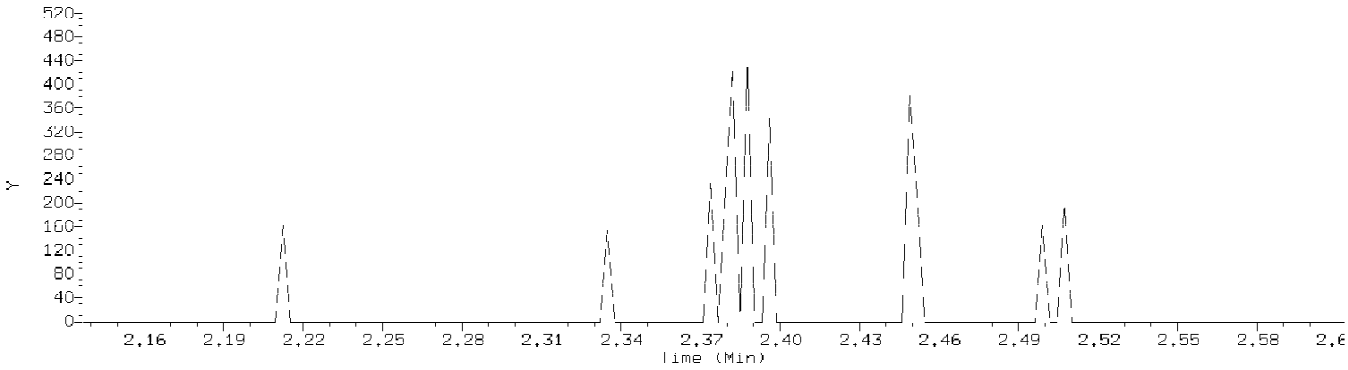


Manually Integrated Ion: 65 Area: 909 Height: 949 (02-May-2014 15:45 dengelhardt)

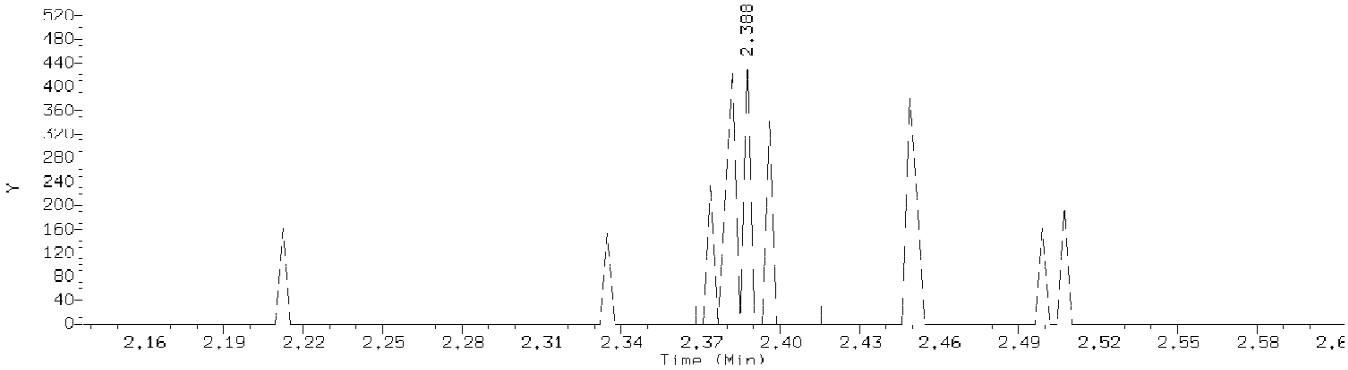


Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Original Ion: 83 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)

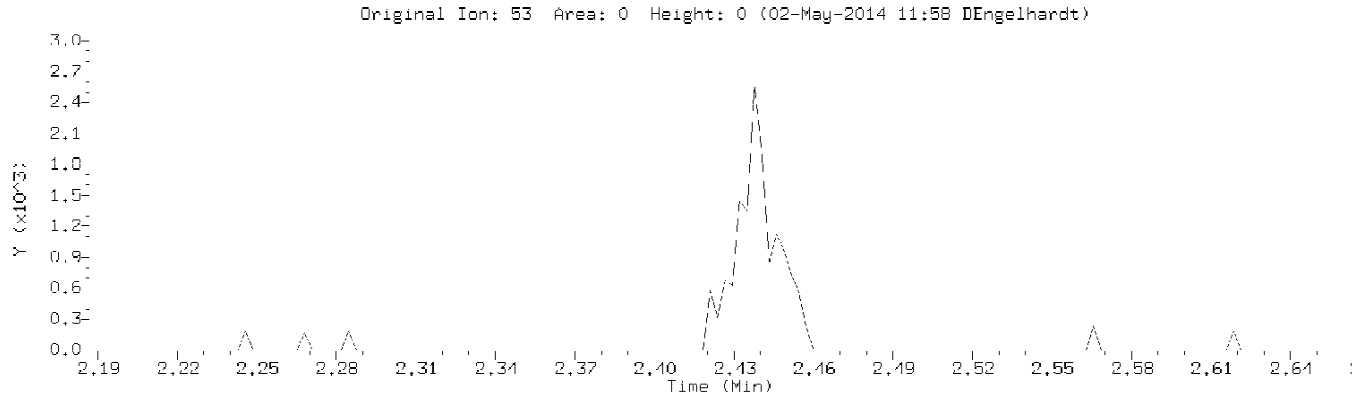


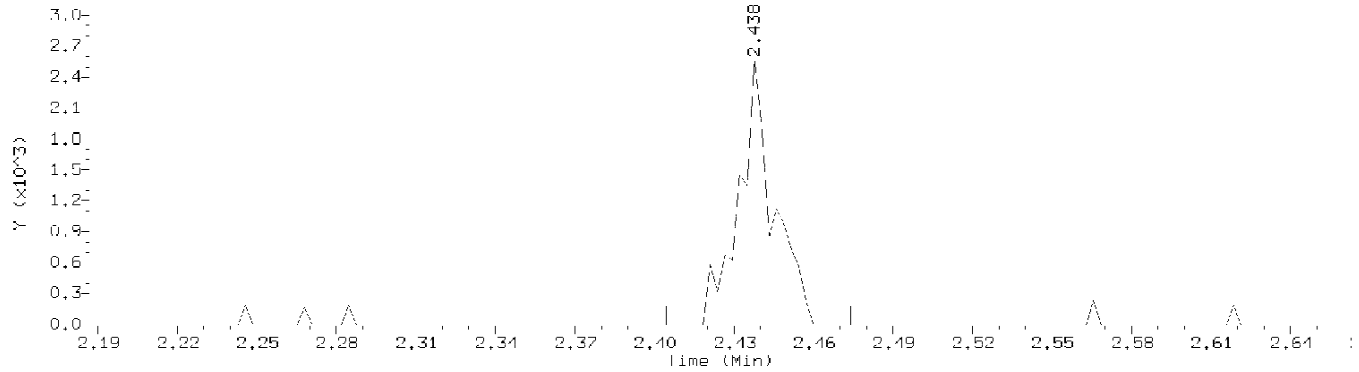
Manually Integrated Ion: 83 Area: 277 Height: 448 (02-May-2014 15:45 dengelhardt)

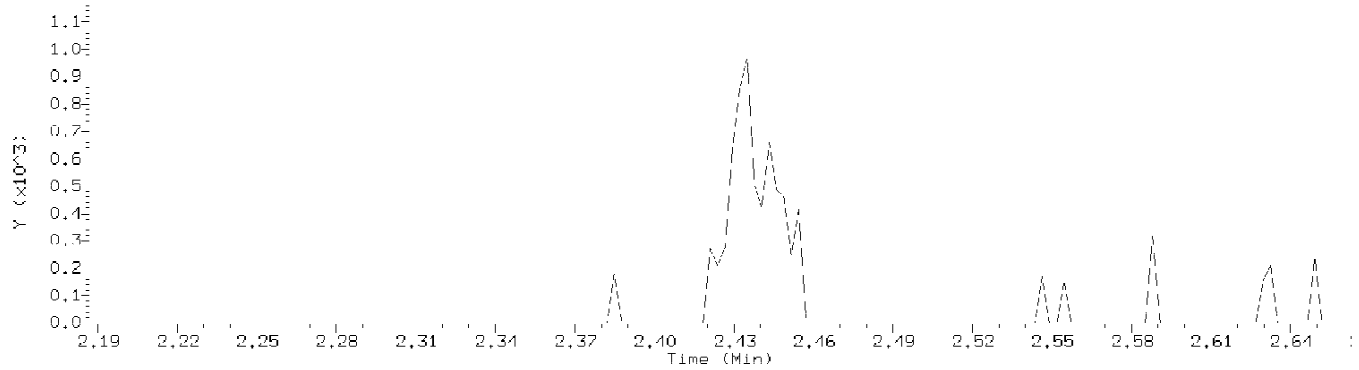


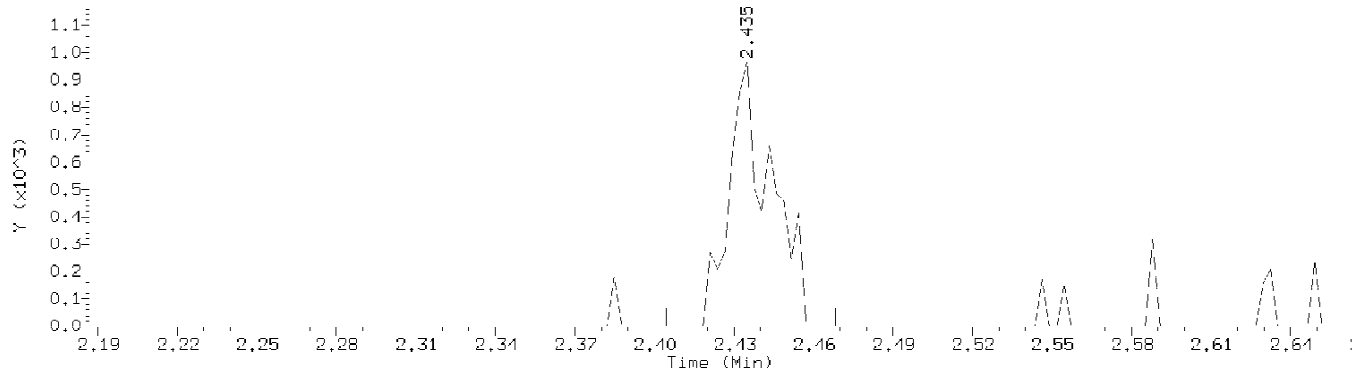
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Compound: Chloroprene
CAS Number: 126-99-8



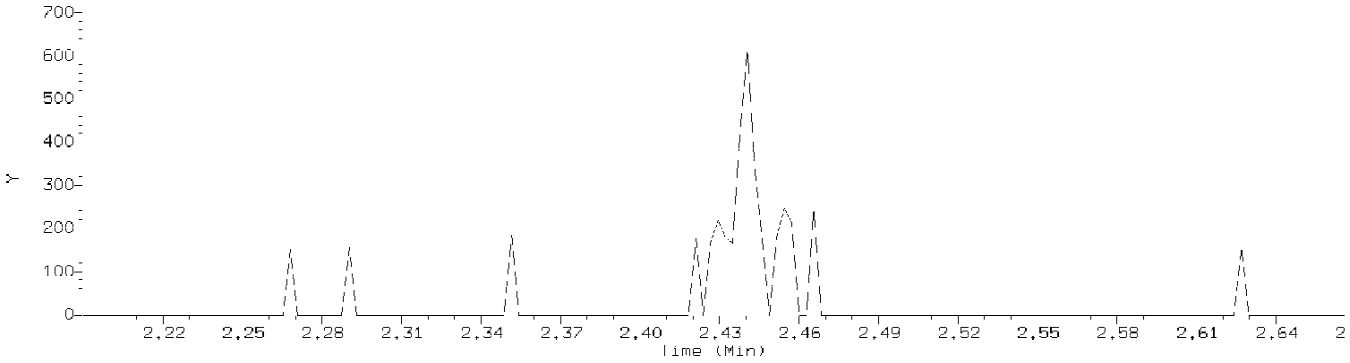




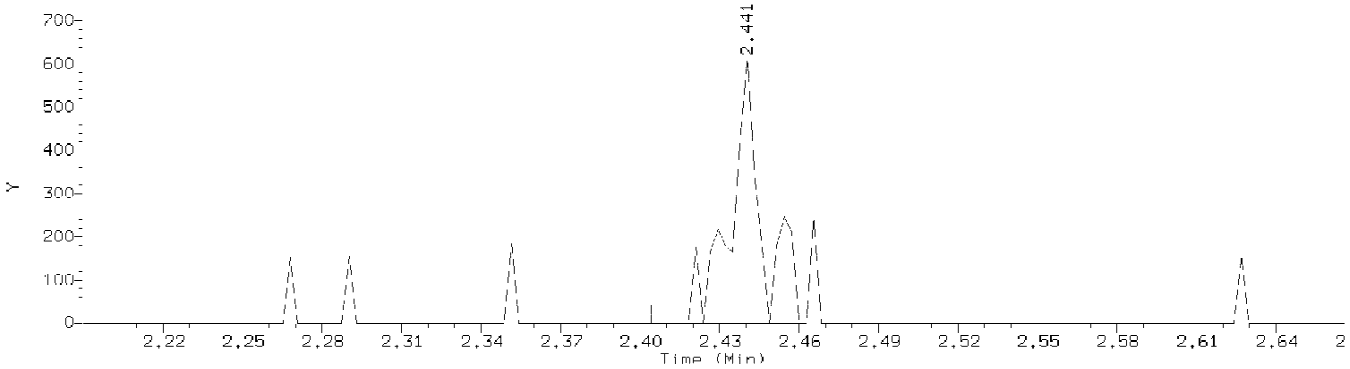


Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Original Ion: 90 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)



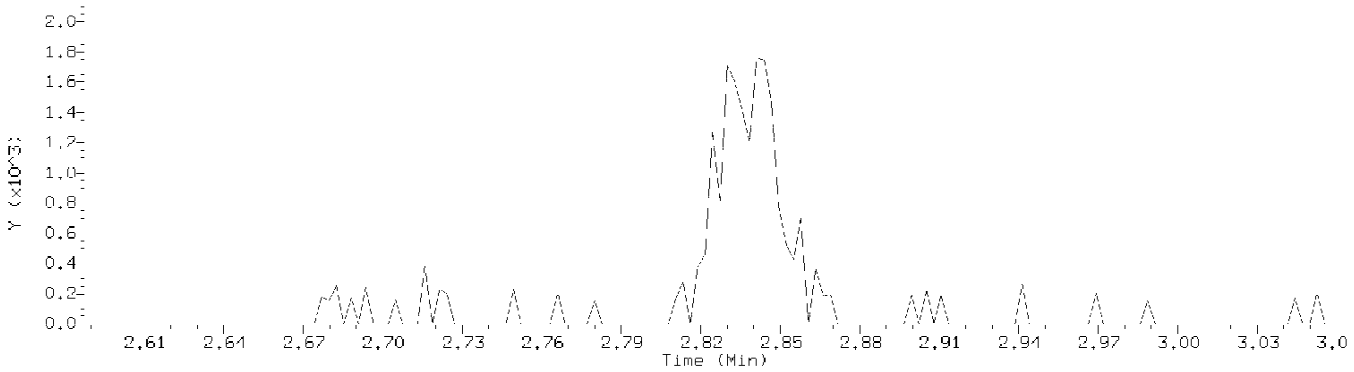
Manually Integrated Ion: 90 Area: 517 Height: 616 (02-May-2014 15:45 dengelhardt)



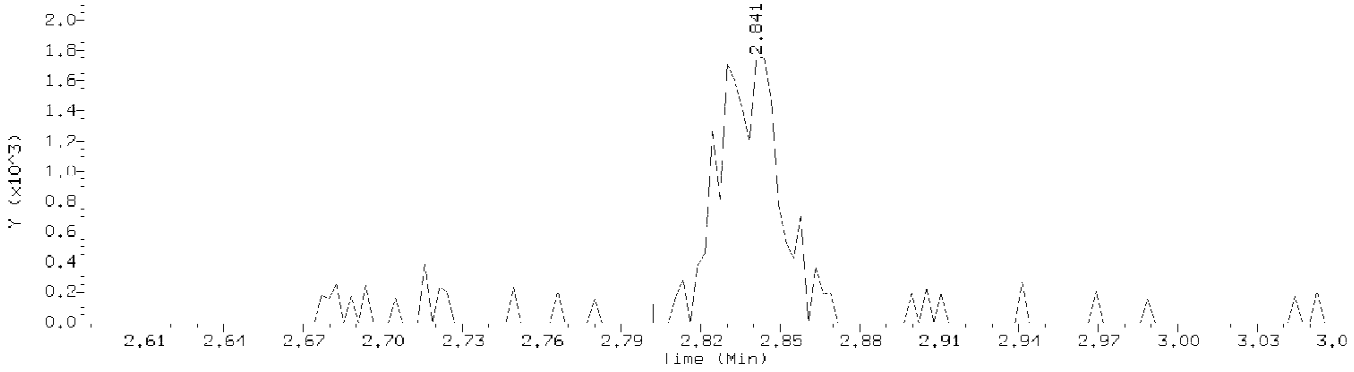
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Compound: 2-Butanone
CAS Number: 78-93-3

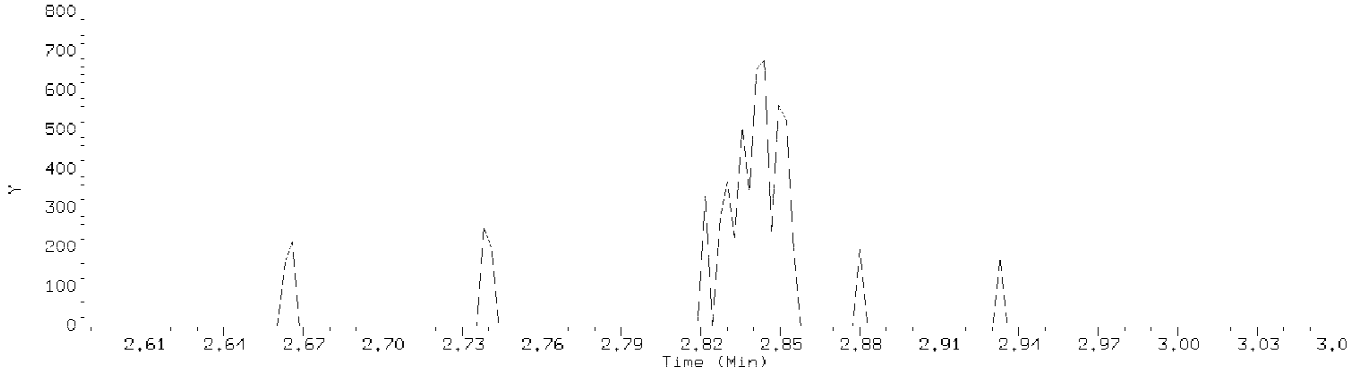
Original Ion: 43 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)



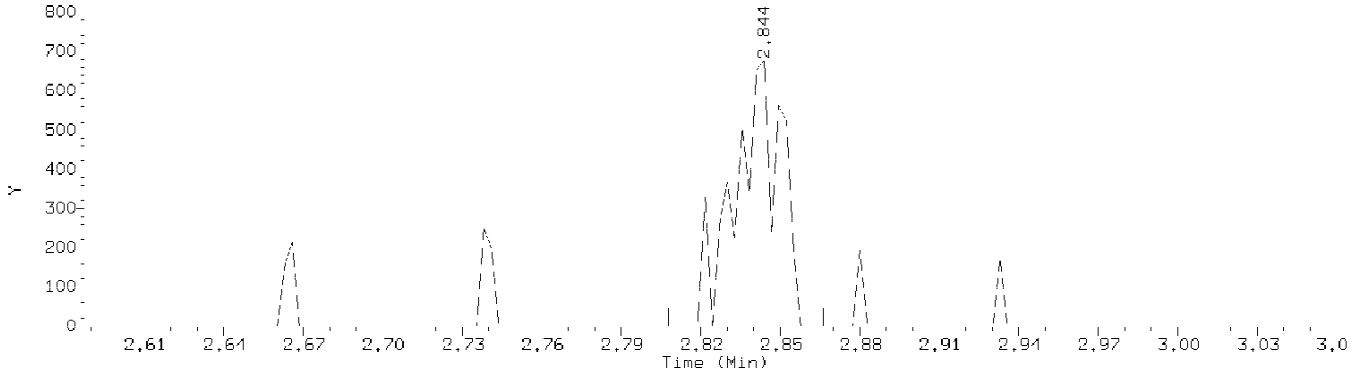
Manually Integrated Ion: 43 Area: 2910 Height: 1759 (02-May-2014 15:45 dengelhardt)



Original Ion: 72 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)

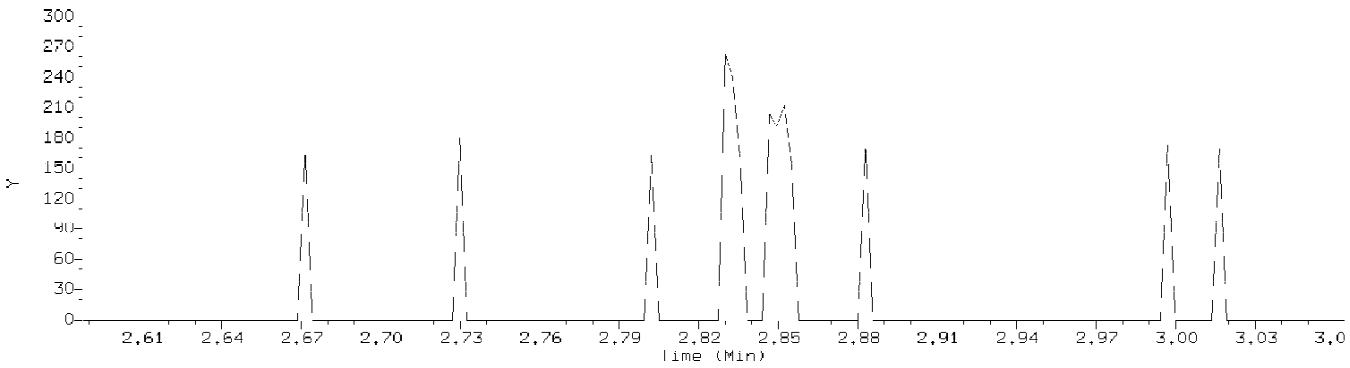


Manually Integrated Ion: 72 Area: 817 Height: 677 (02-May-2014 15:45 dengelhardt)

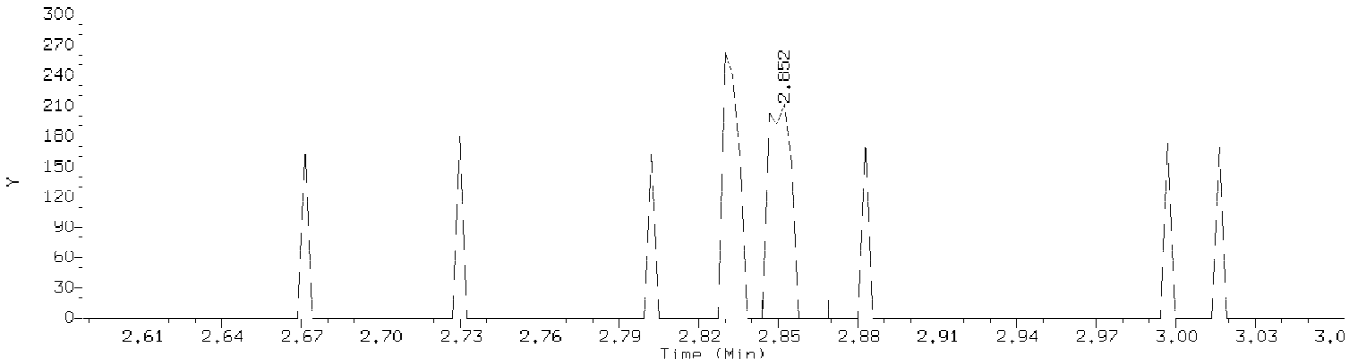


Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Original Ion: 57 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)



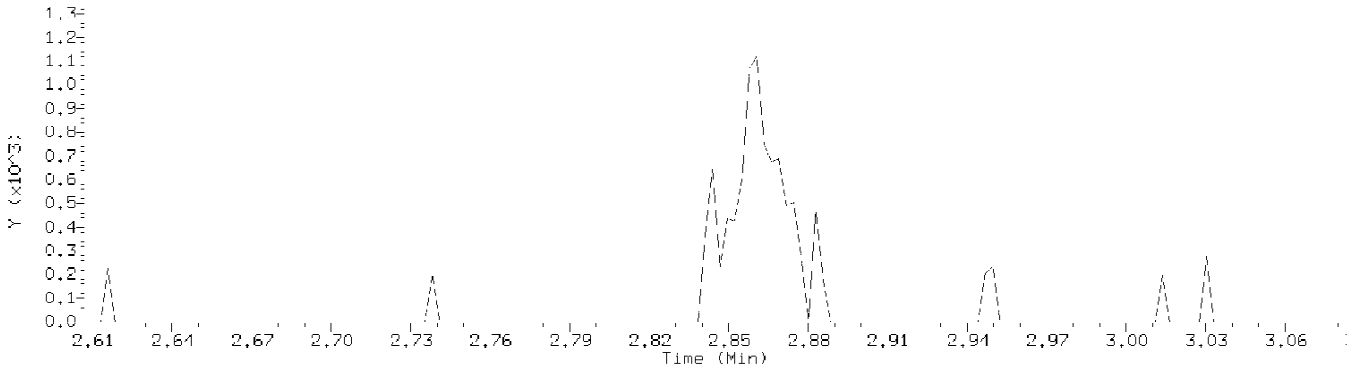
Manually Integrated Ion: 57 Area: 126 Height: 211 (02-May-2014 15:45 dengelhardt)



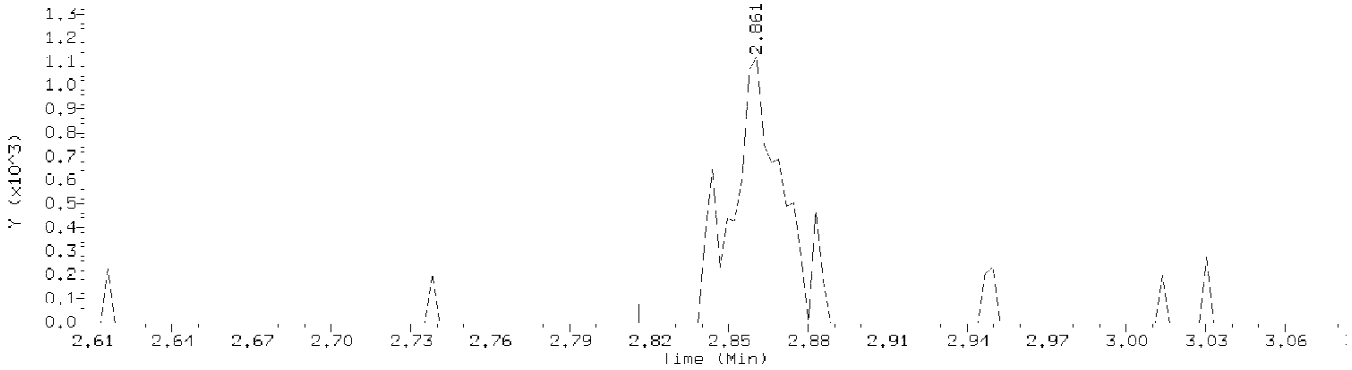
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Compound: 2,2-Dichloropropane
CAS Number: 594-20-7

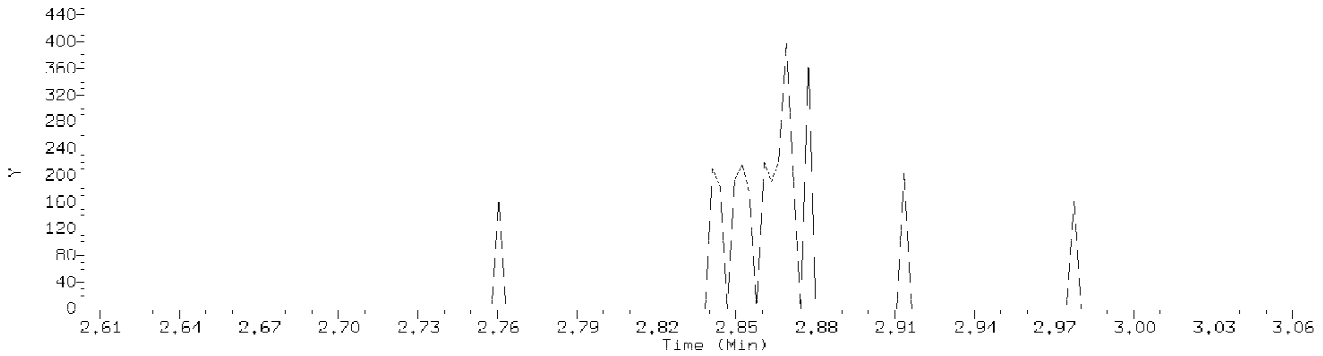
Original Ion: 77 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)



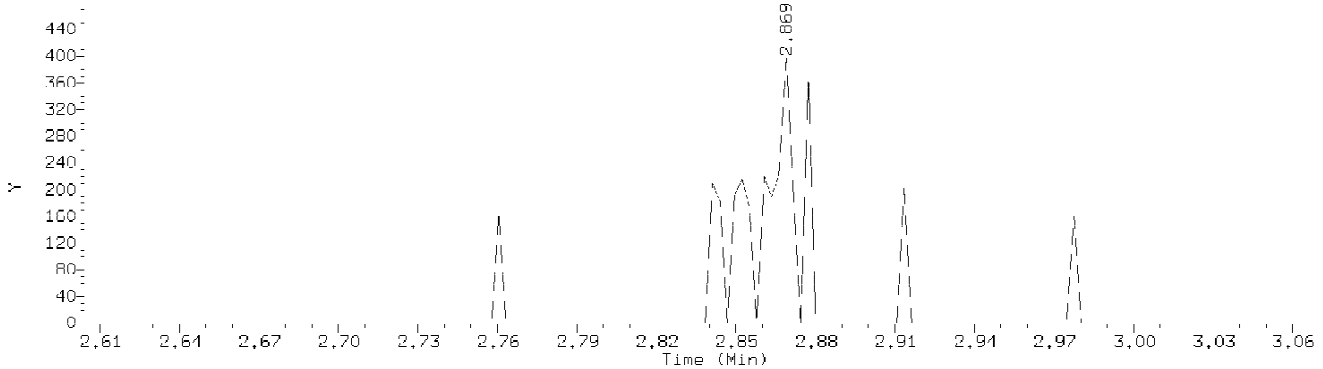
Manually Integrated Ion: 77 Area: 1496 Height: 1121 (02-May-2014 15:45 dengelhardt)



Original Ion: 97 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)



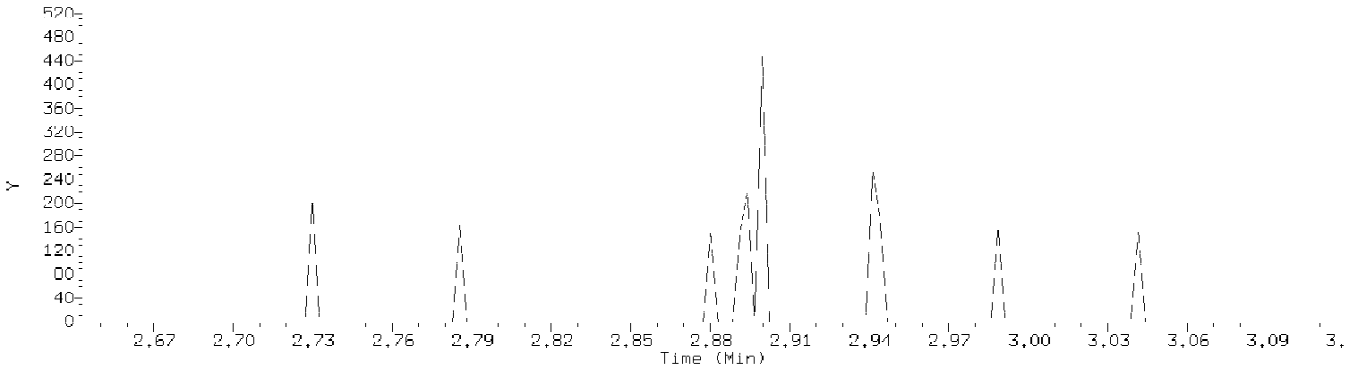
Manually Integrated Ion: 97 Area: 203 Height: 398 (02-May-2014 15:45 dengelhardt)



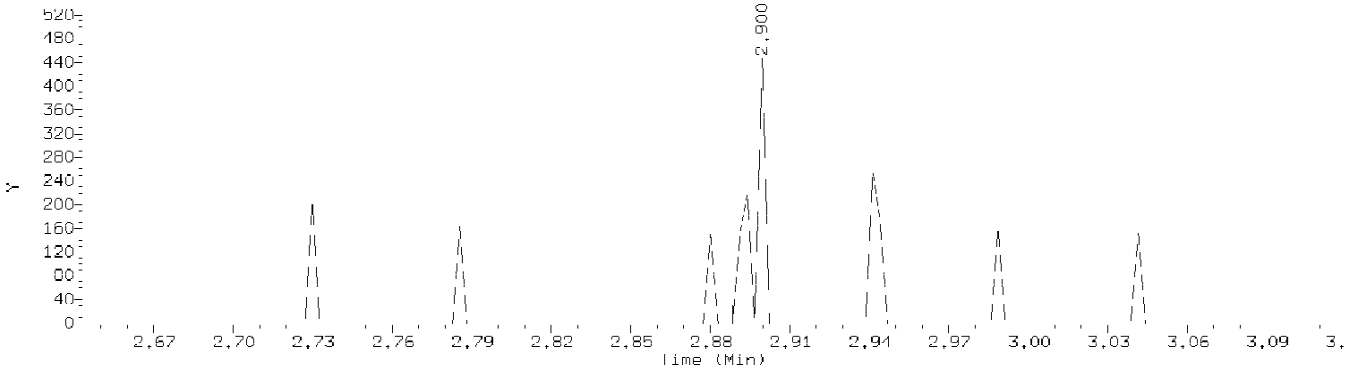
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Compound: Propionitrile
CAS Number: 107-12-0

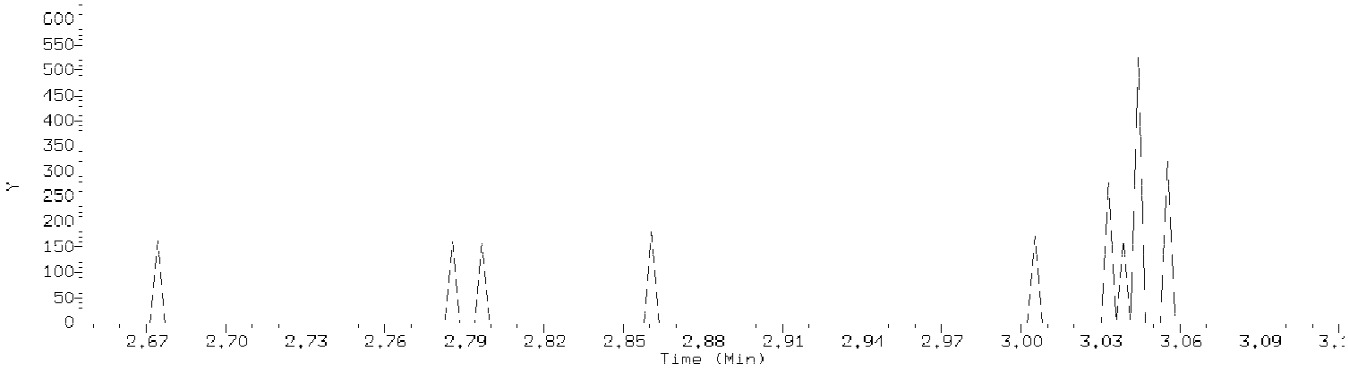
Original Ion: 54 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)



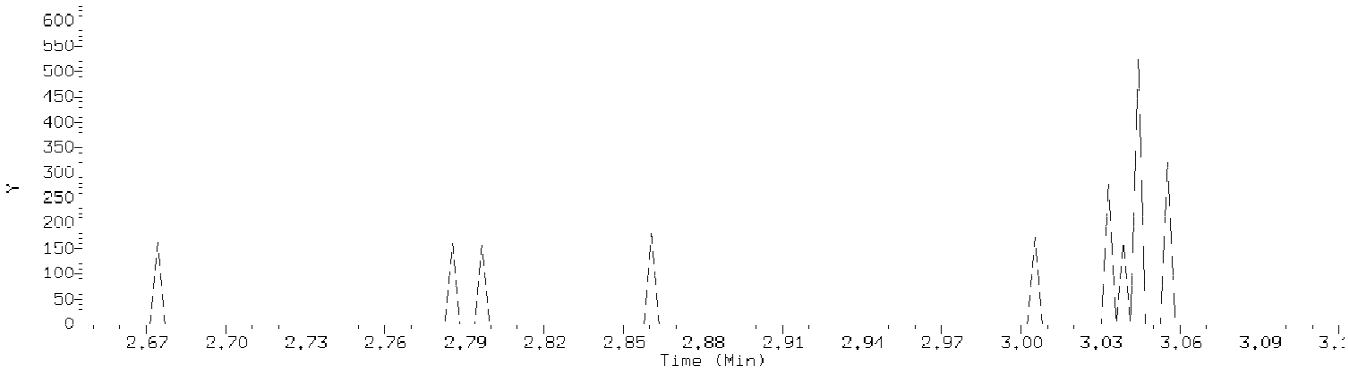
Manually Integrated Ion: 54 Area: 137 Height: 448 (02-May-2014 15:45 dengelhardt)



Original Ion: 52 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)

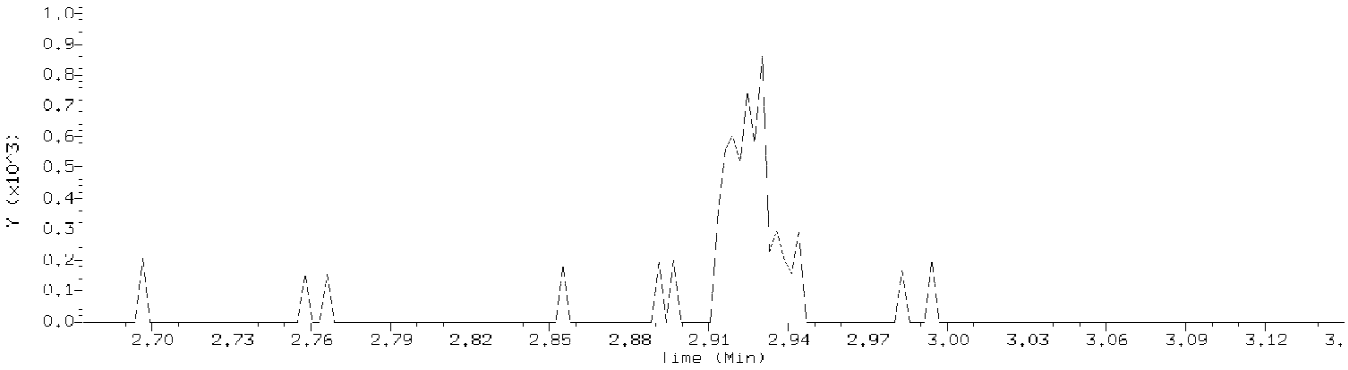


Manually Integrated Ion: 52 Area: 0 Height: 0 (02-May-2014 15:45 dengelhardt)

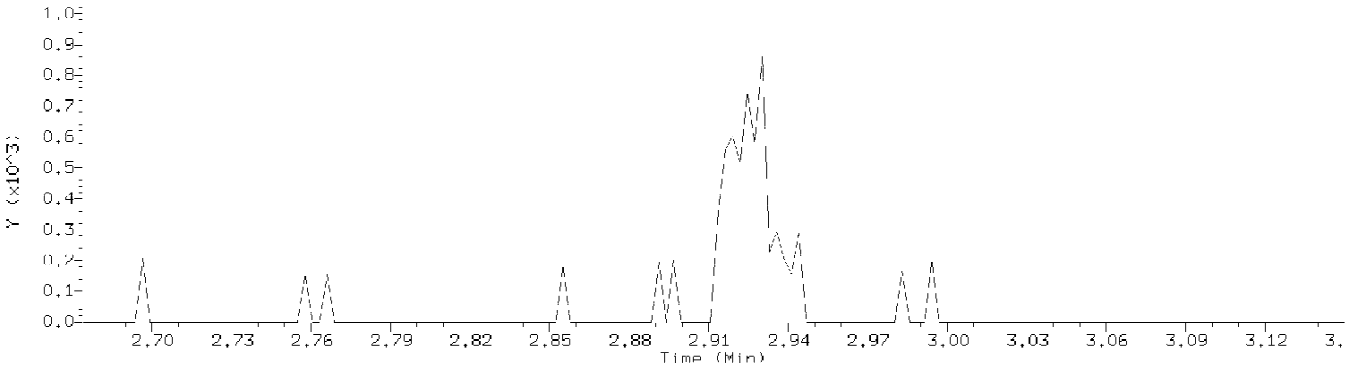


Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Original Ion: 55 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)

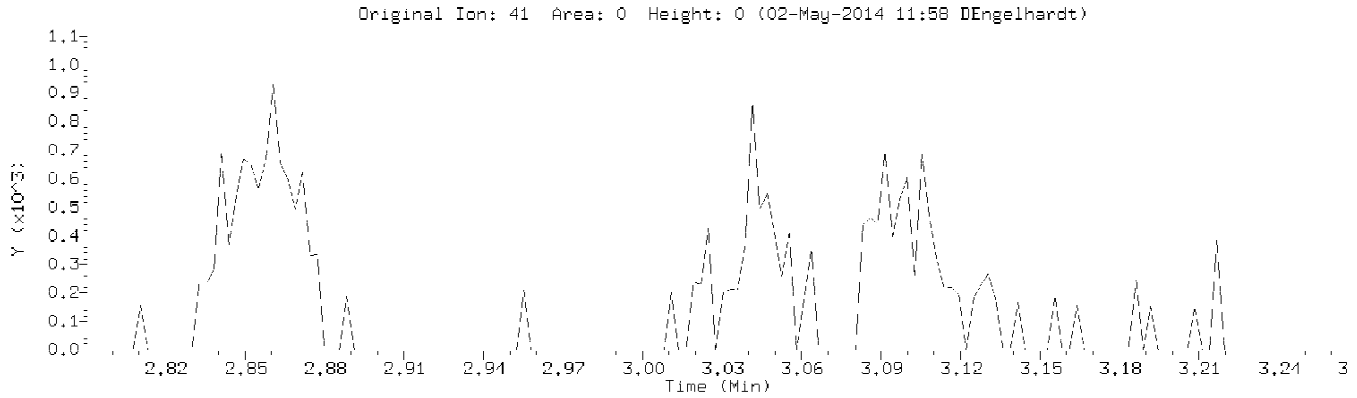


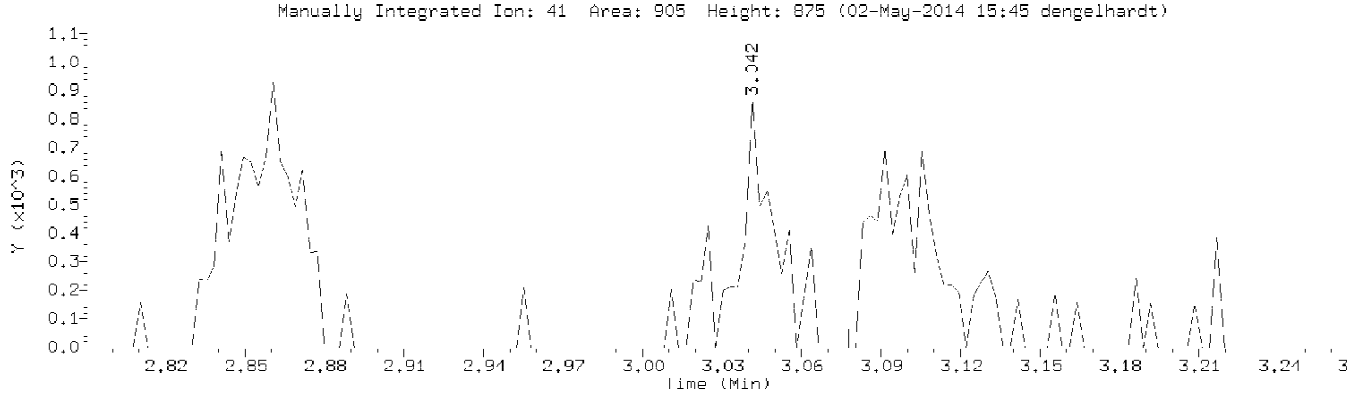
Manually Integrated Ion: 55 Area: 0 Height: 0 (02-May-2014 15:45 dengelhardt)

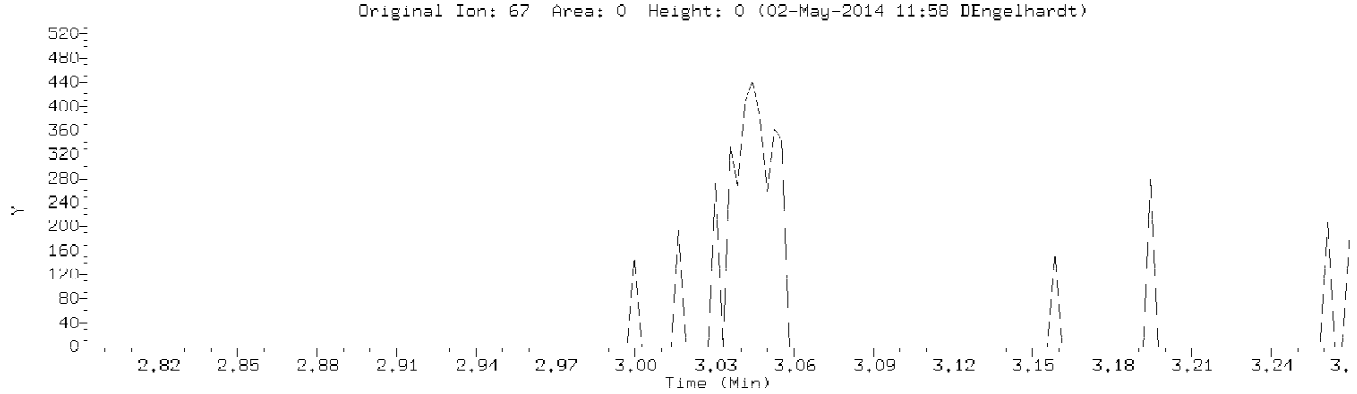


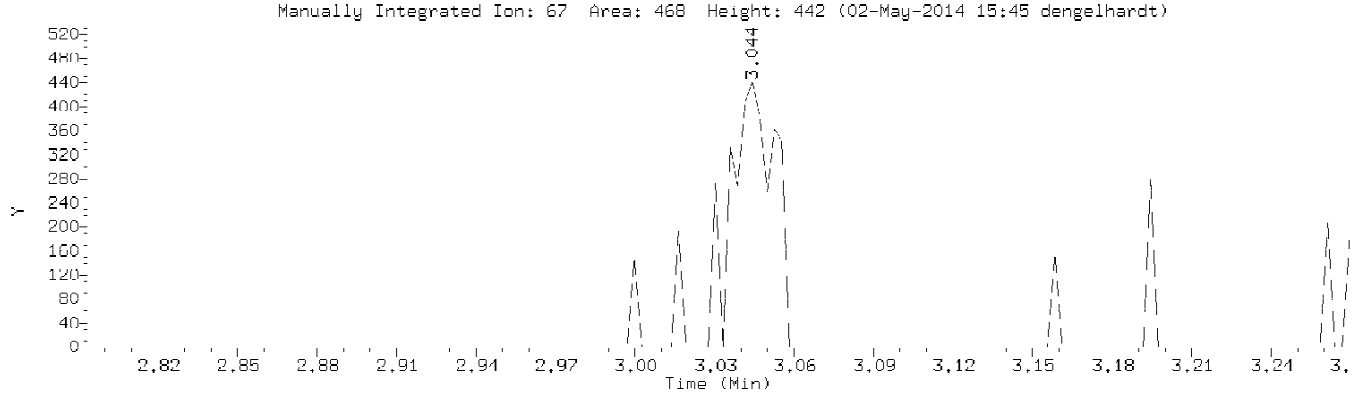
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Compound: Methacrylonitrile
CAS Number: 126-98-7



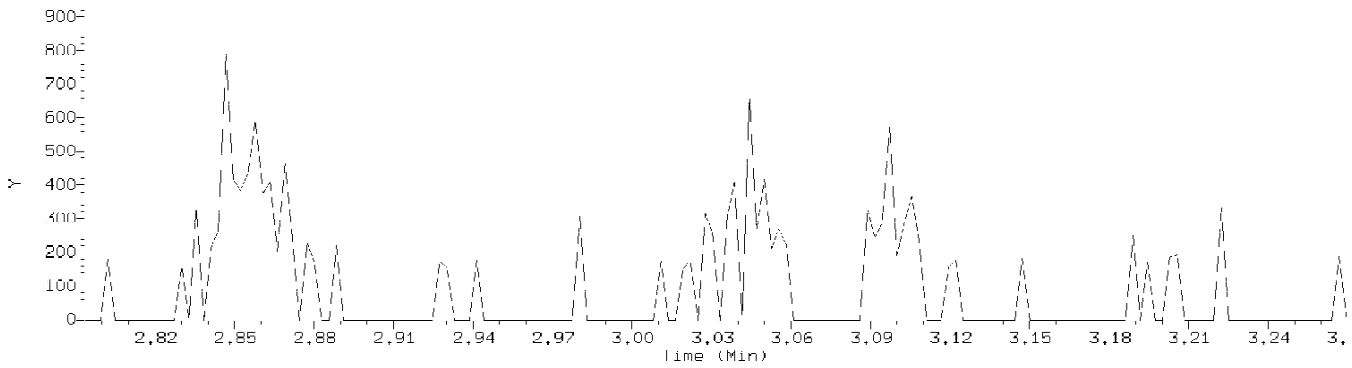




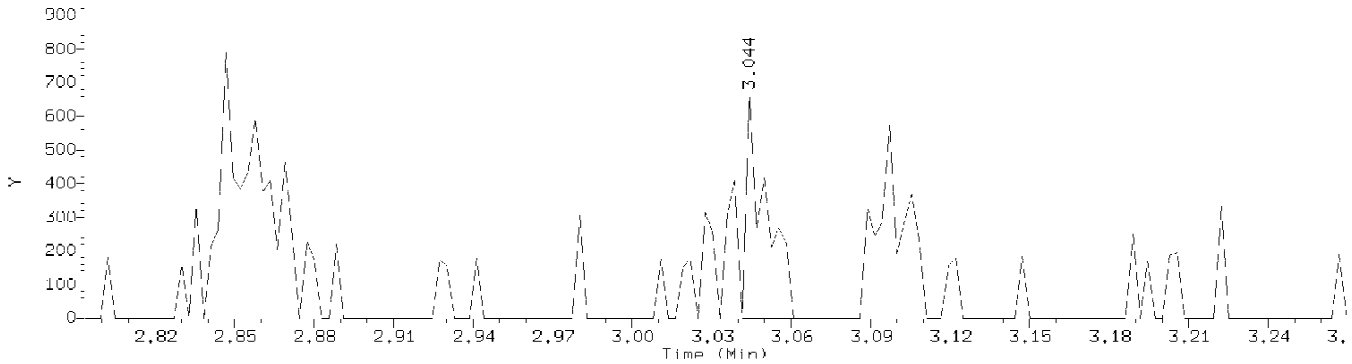


Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Original Ion: 39 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)



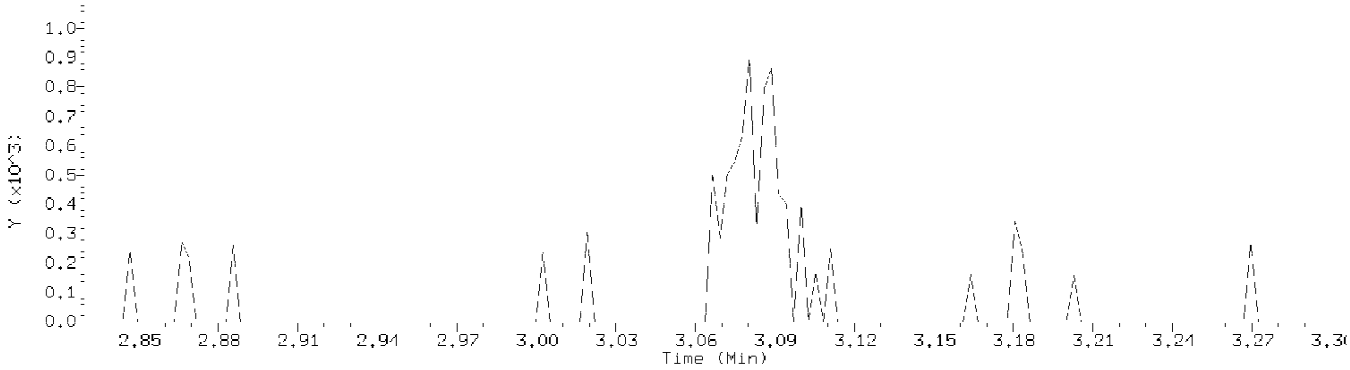
Manually Integrated Ion: 39 Area: 344 Height: 673 (02-May-2014 15:45 dengelhardt)



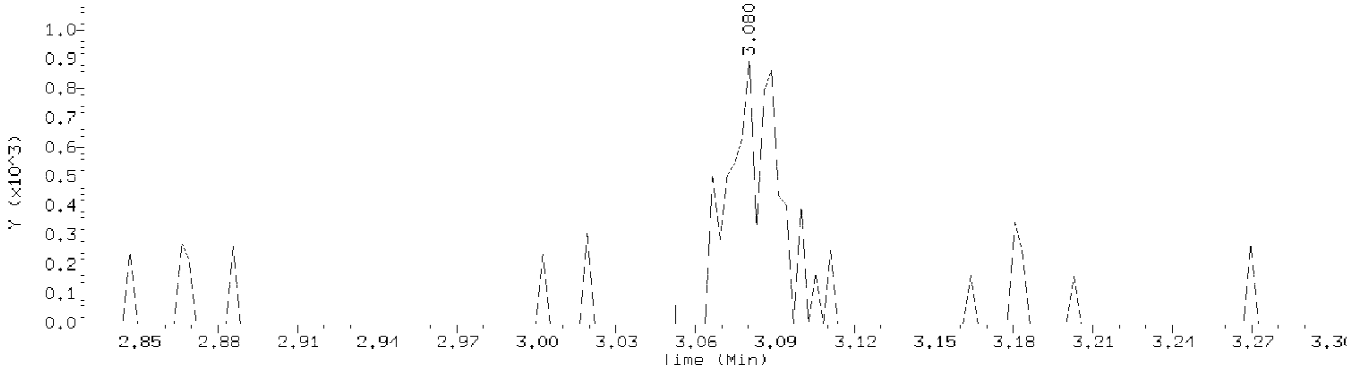
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Compound: Bromochloromethane
CAS Number: 74-97-5

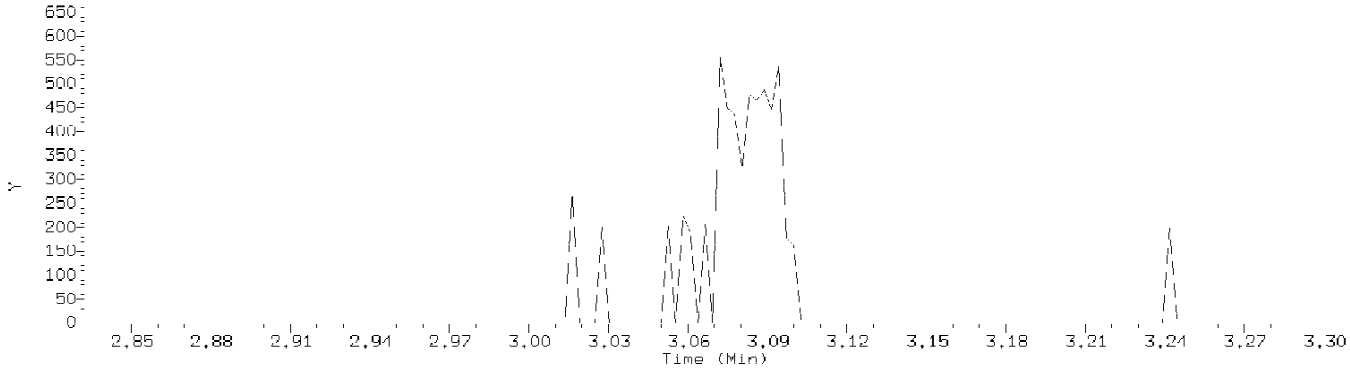
Original Ion: 49 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)



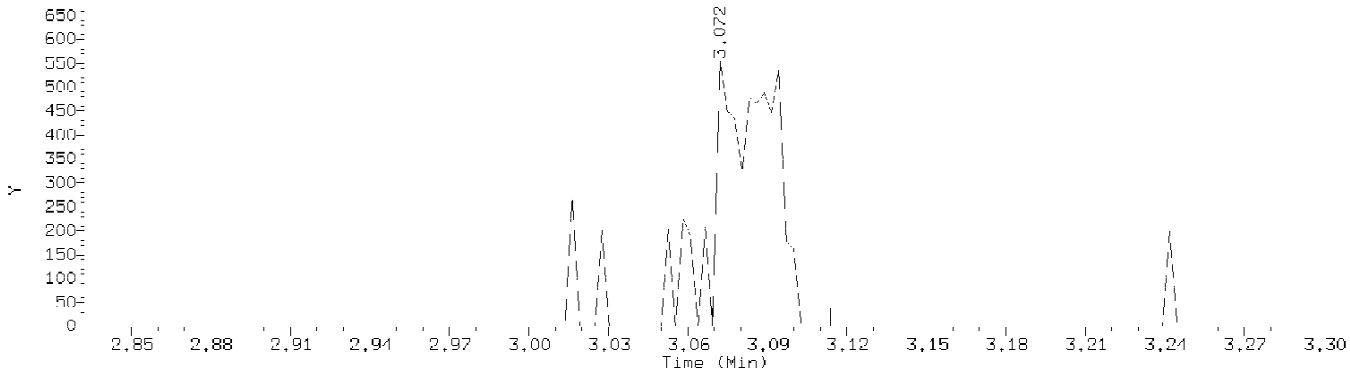
Manually Integrated Ion: 49 Area: 1101 Height: 906 (02-May-2014 15:45 dengelhardt)



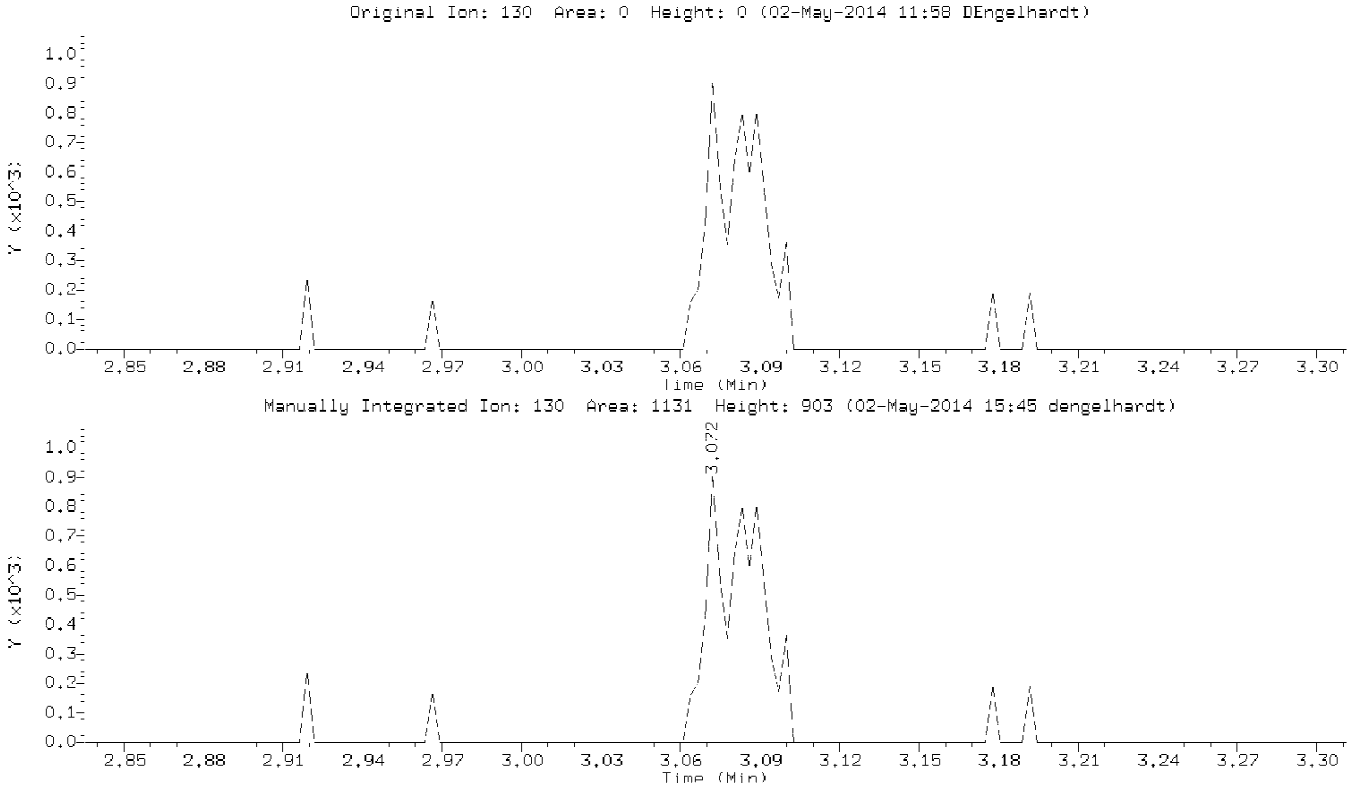
Original Ion: 128 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)



Manually Integrated Ion: 128 Area: 753 Height: 556 (02-May-2014 15:45 dengelhardt)

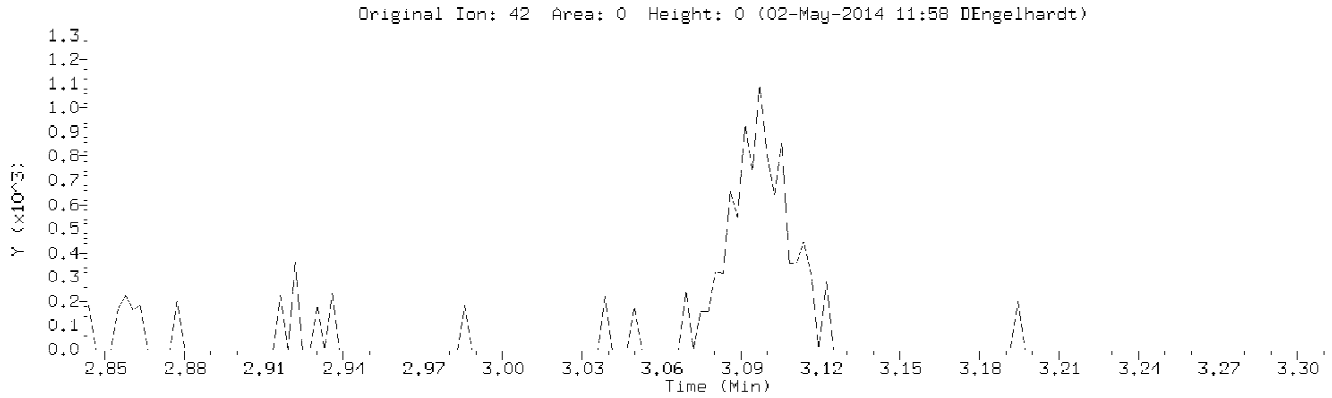


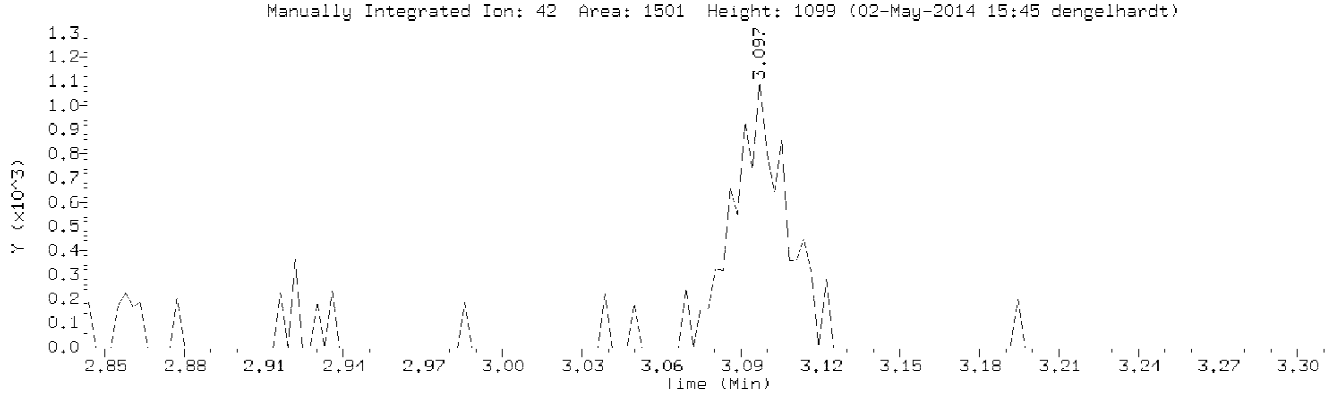
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

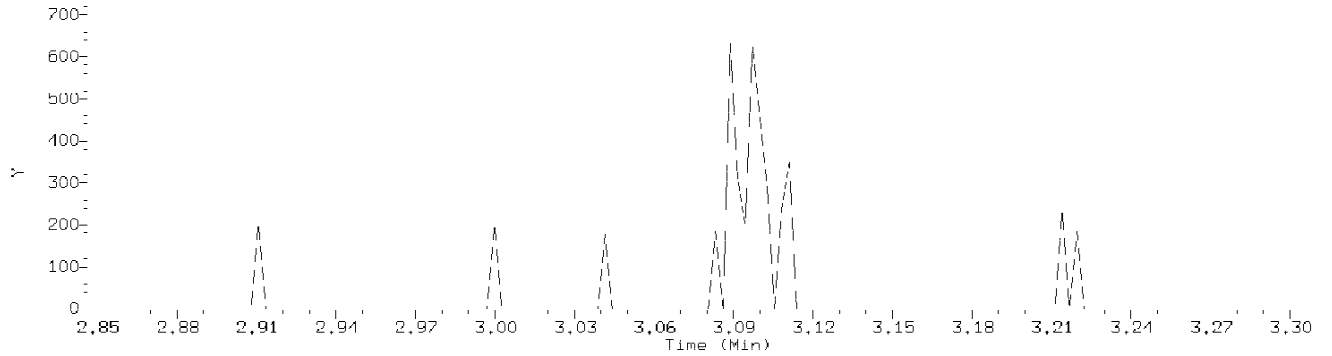


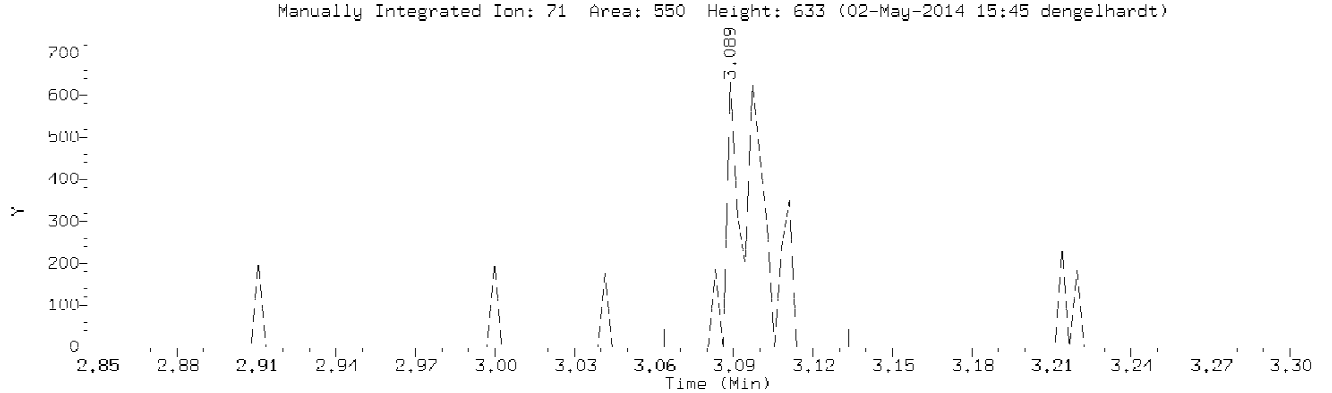
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Compound: Tetrahydrofuran
CAS Number:



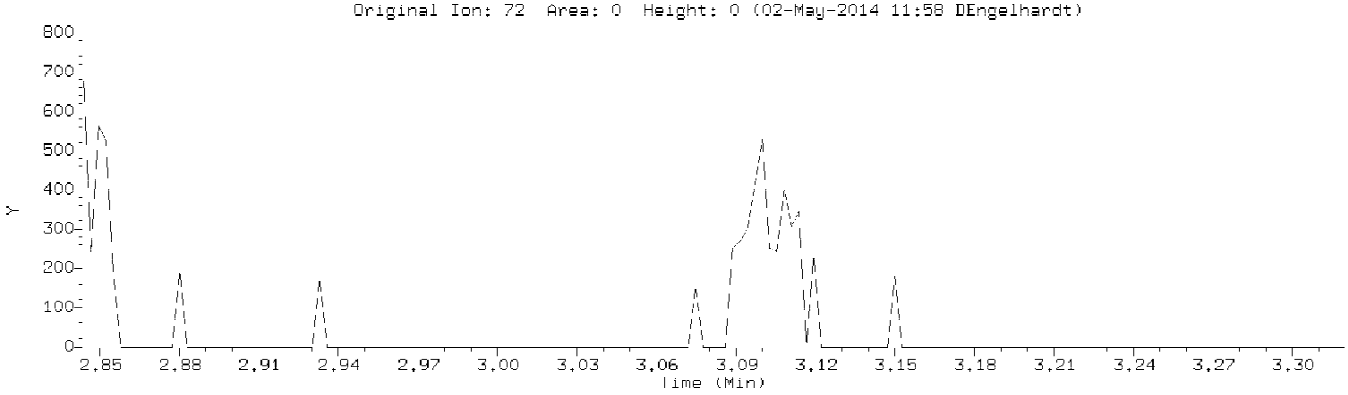




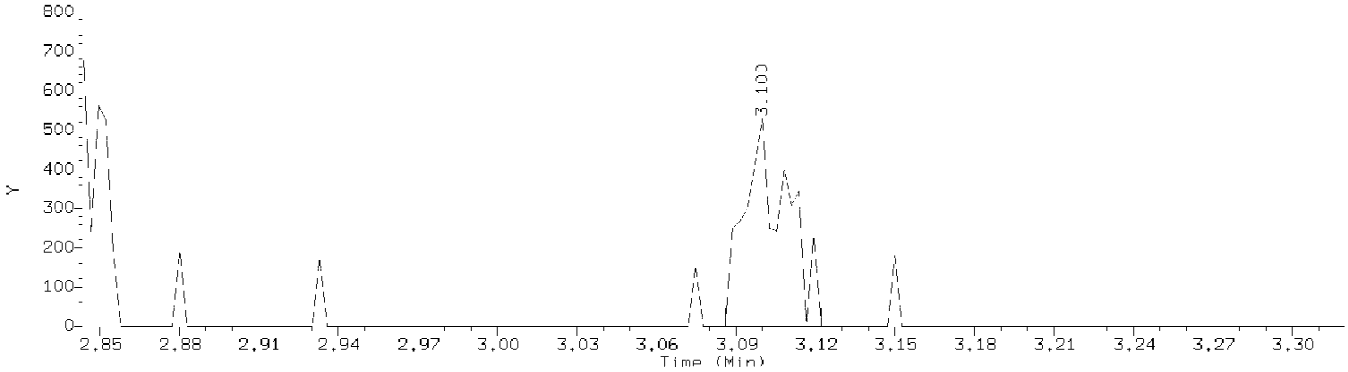


Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Original Ion: 72 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)



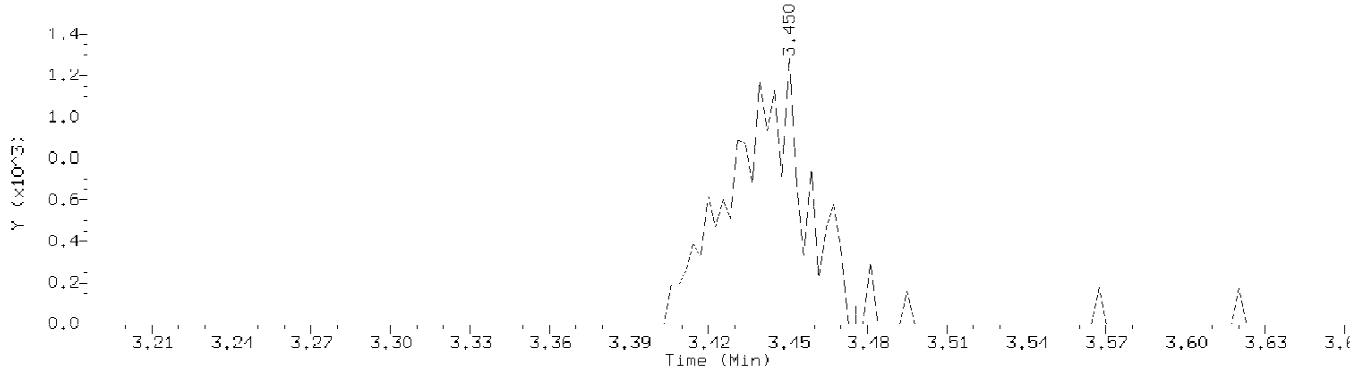
Manually Integrated Ion: 72 Area: 589 Height: 529 (02-May-2014 15:45 dengelhardt)



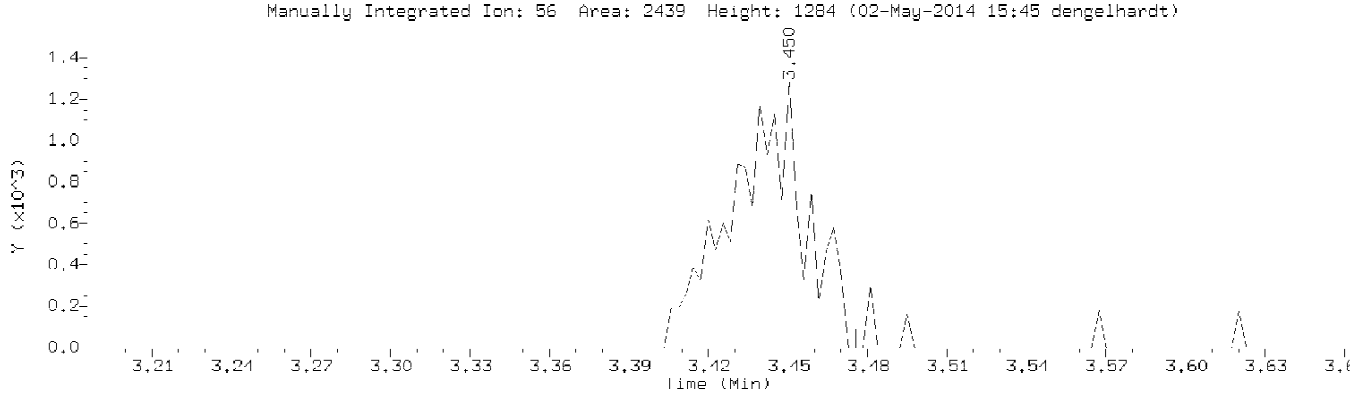
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Compound: cyclohexane
CAS Number: 110-82-7

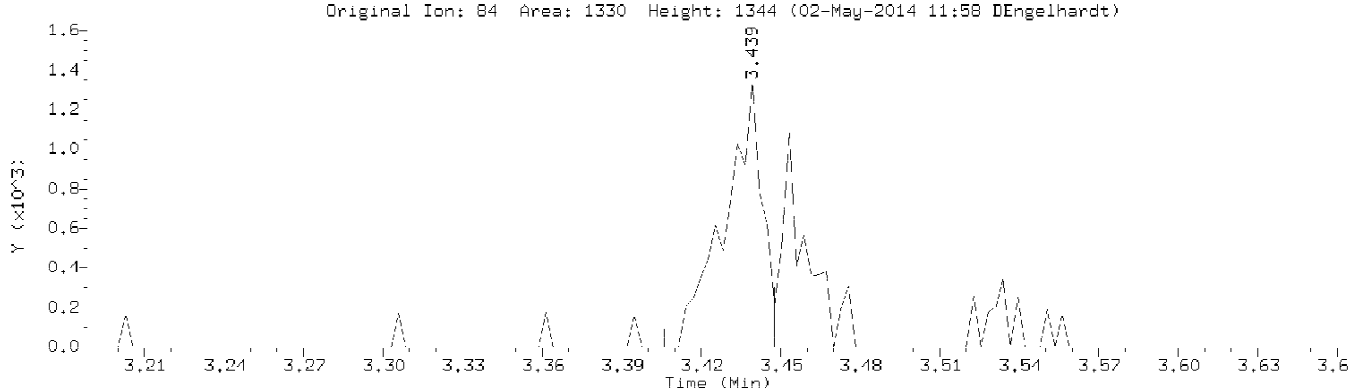
Original Ion: 56 Area: 2439 Height: 1284 (02-May-2014 11:58 DEngelhardt)



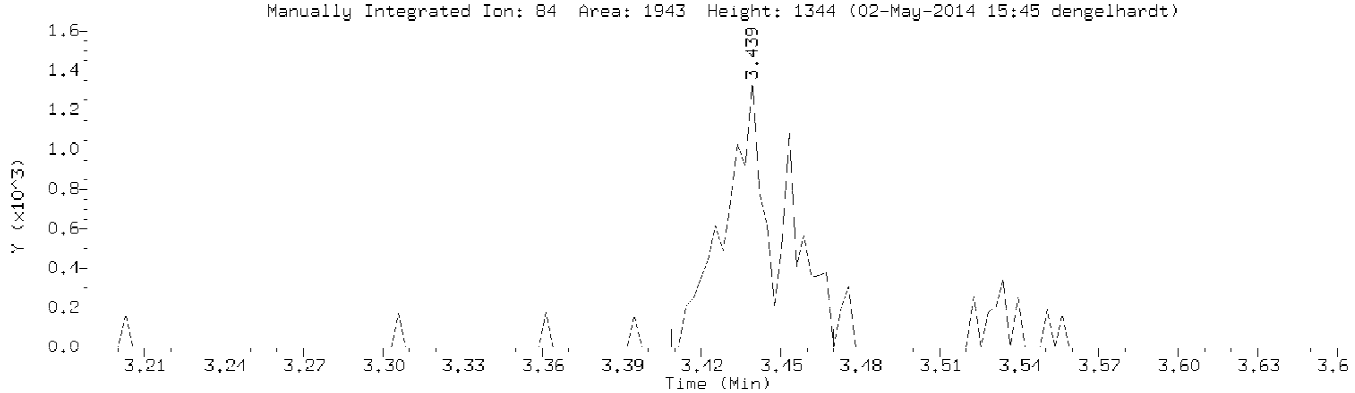
Manually Integrated Ion: 56 Area: 2439 Height: 1284 (02-May-2014 15:45 dengelhardt)



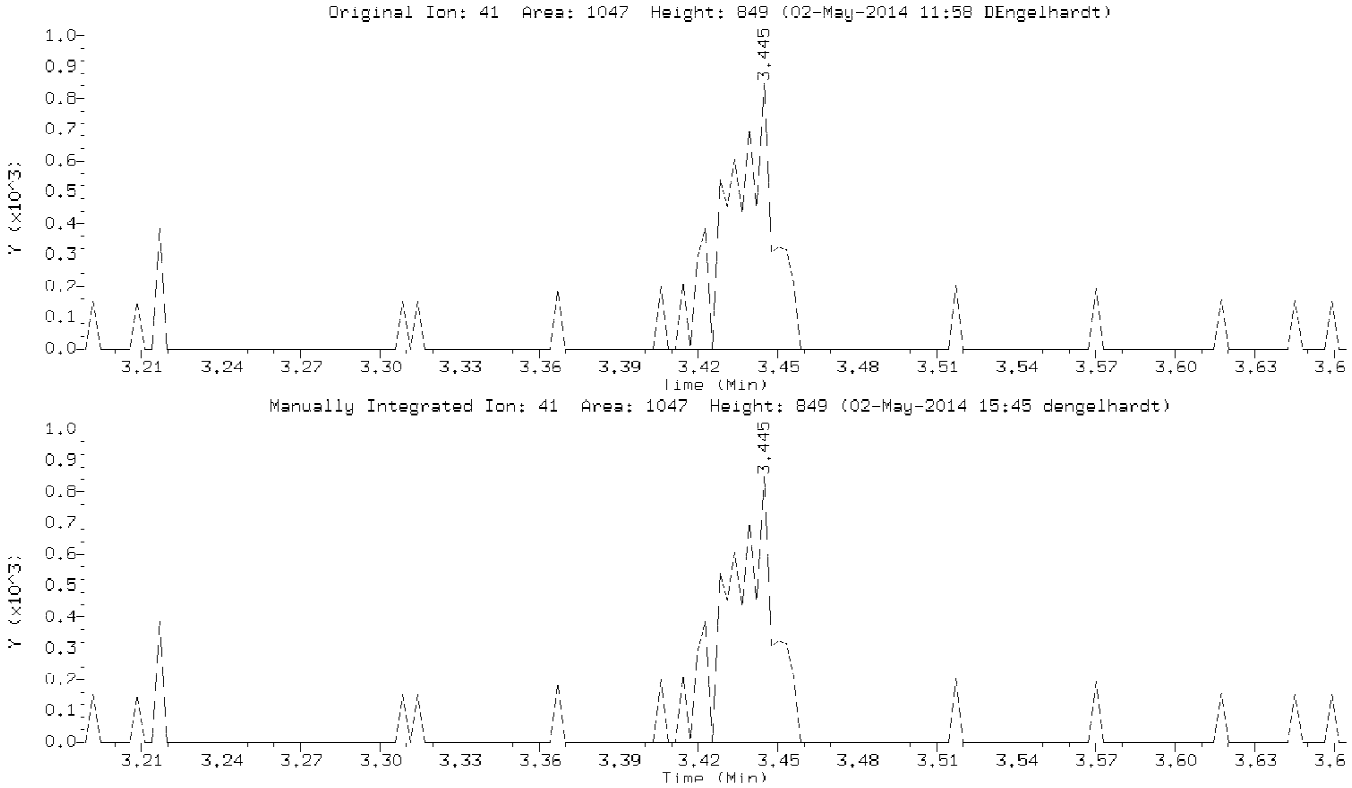
Original Ion: 84 Area: 1330 Height: 1344 (02-May-2014 11:58 DEngelhardt)



Manually Integrated Ion: 84 Area: 1943 Height: 1344 (02-May-2014 15:45 dengelhardt)



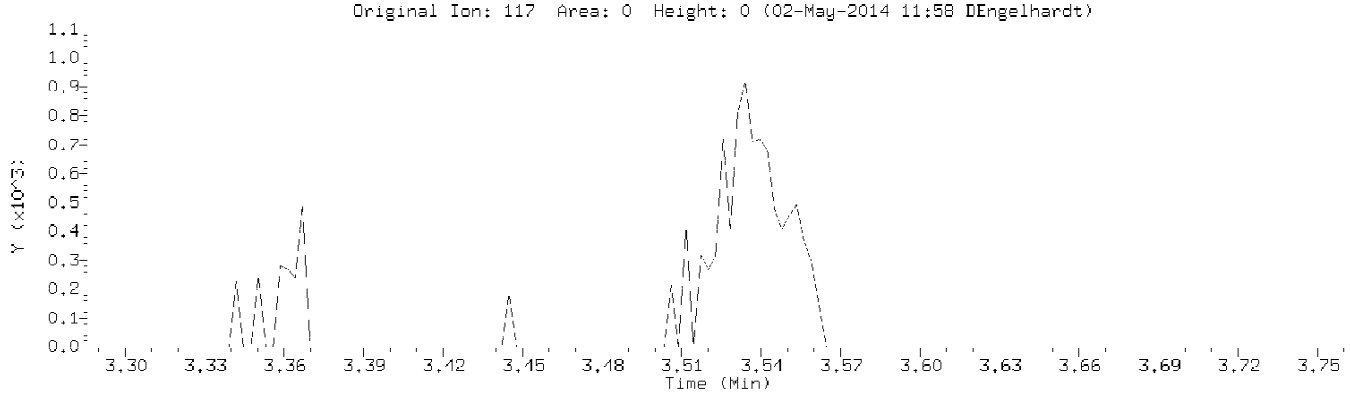
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0



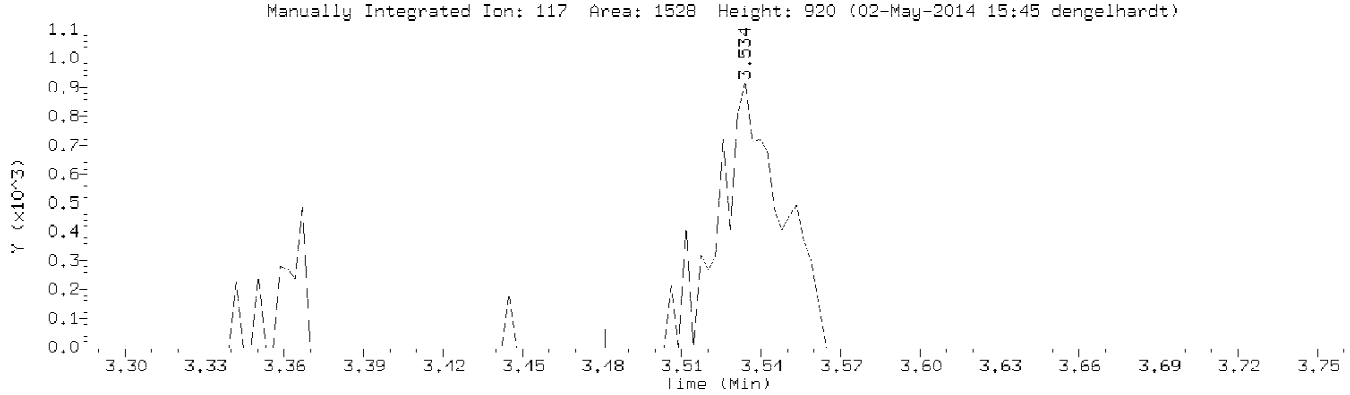
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Compound: Carbon Tetrachloride
CAS Number: 56-23-5

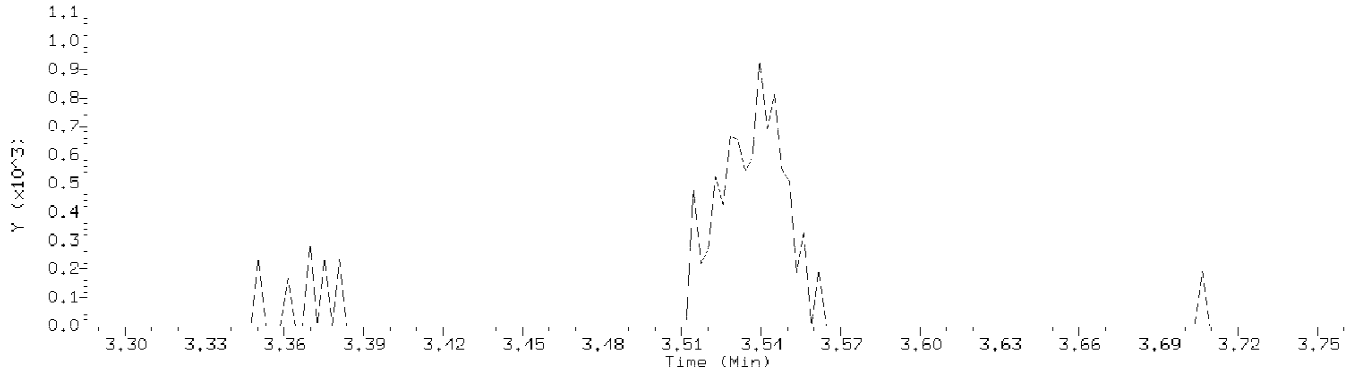
Original Ion: 117 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)



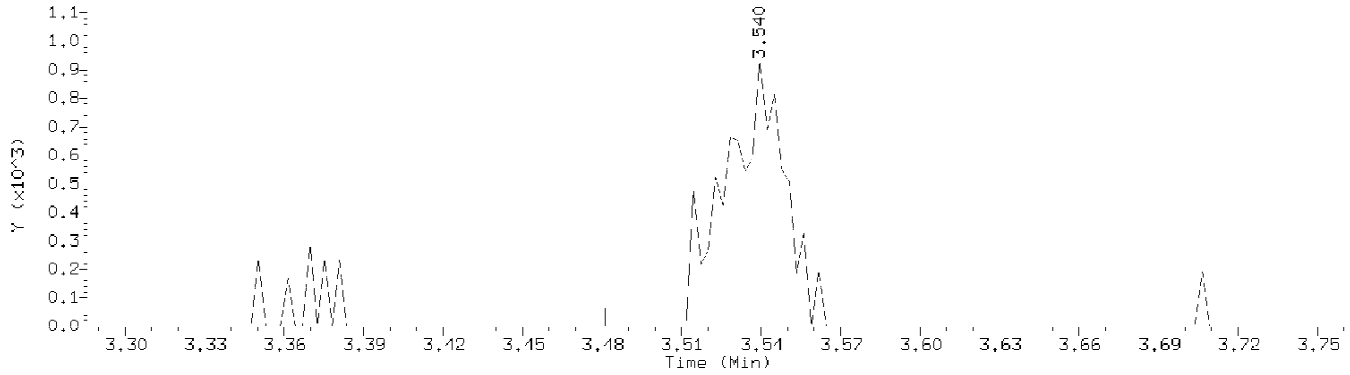
Manually Integrated Ion: 117 Area: 1528 Height: 920 (02-May-2014 15:45 dengelhardt)



Original Ion: 119 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)

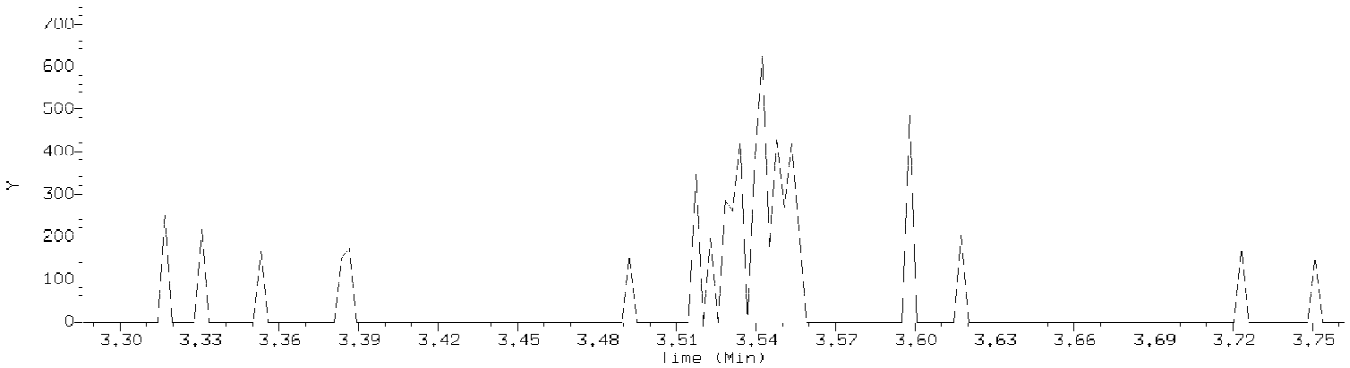


Manually Integrated Ion: 119 Area: 1433 Height: 933 (02-May-2014 15:45 dengelhardt)

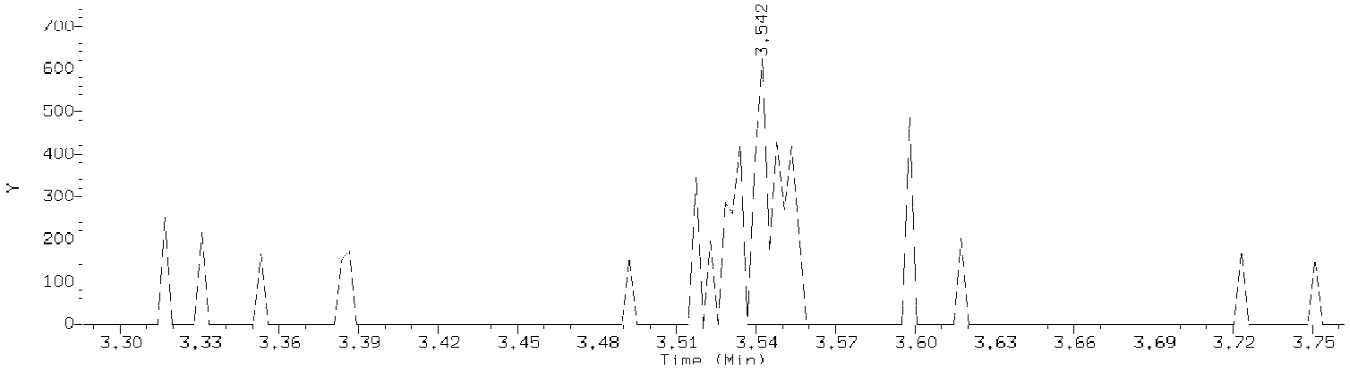


Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b02cal1.d
Injection Date: 02-MAY-2014 11:25
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL1,65548:0

Original Ion: 121 Area: 0 Height: 0 (02-May-2014 11:58 DEngelhardt)



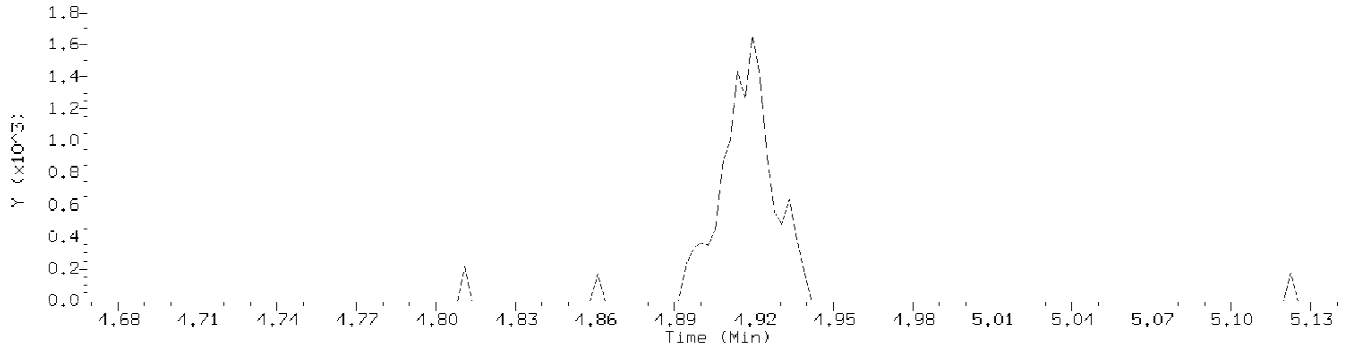
Manually Integrated Ion: 121 Area: 418 Height: 625 (02-May-2014 15:45 dengelhardt)



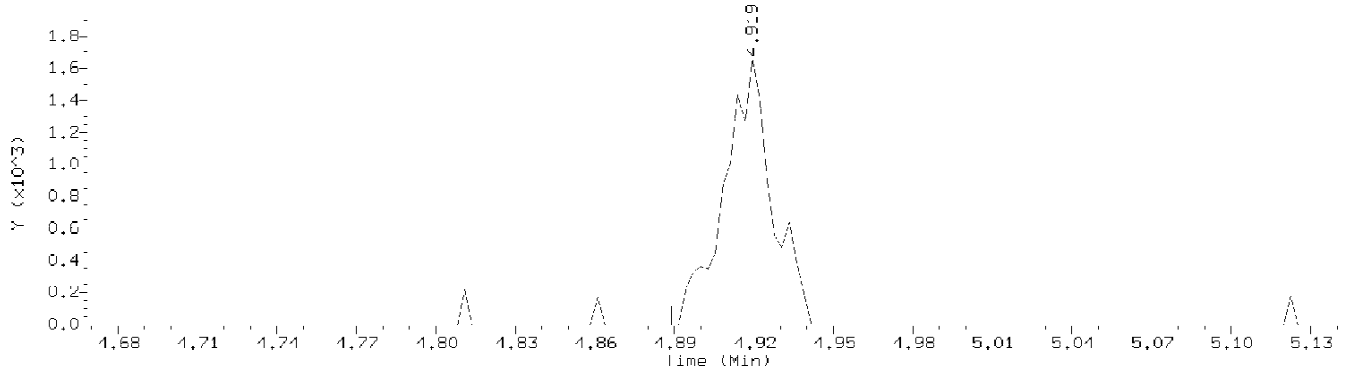
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b03cal2.d
Injection Date: 02-MAY-2014 11:59
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL2,65549:0

Compound: 1,2-Dichloropropane
CAS Number: 78-87-5

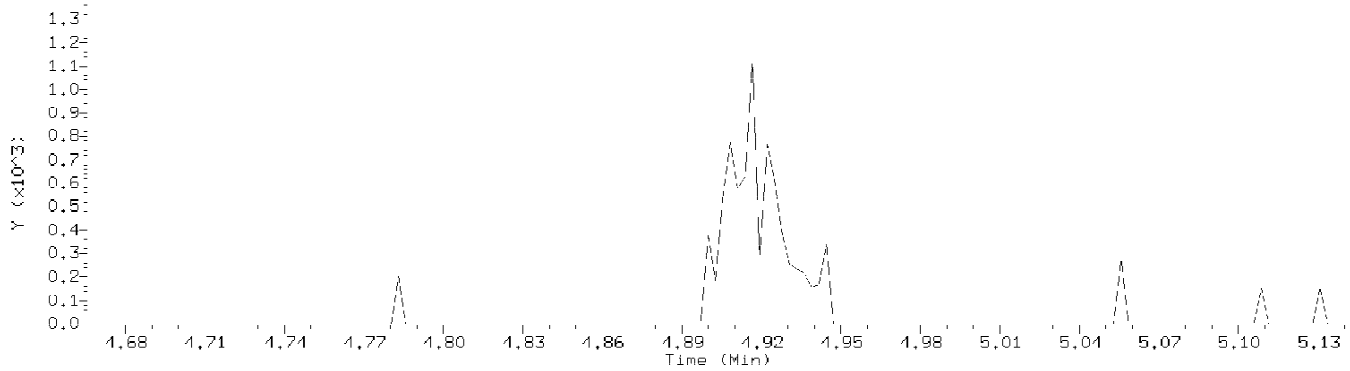
Original Ion: 63 Area: 0 Height: 0 (02-May-2014 12:15 DEngelhardt)



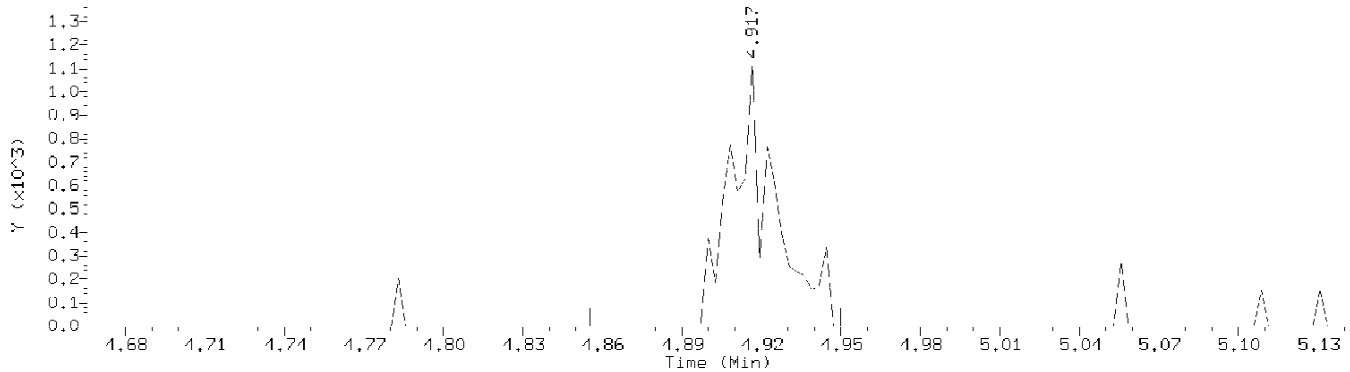
Manually Integrated Ion: 63 Area: 2092 Height: 1660 (02-May-2014 15:45 dengelhardt)



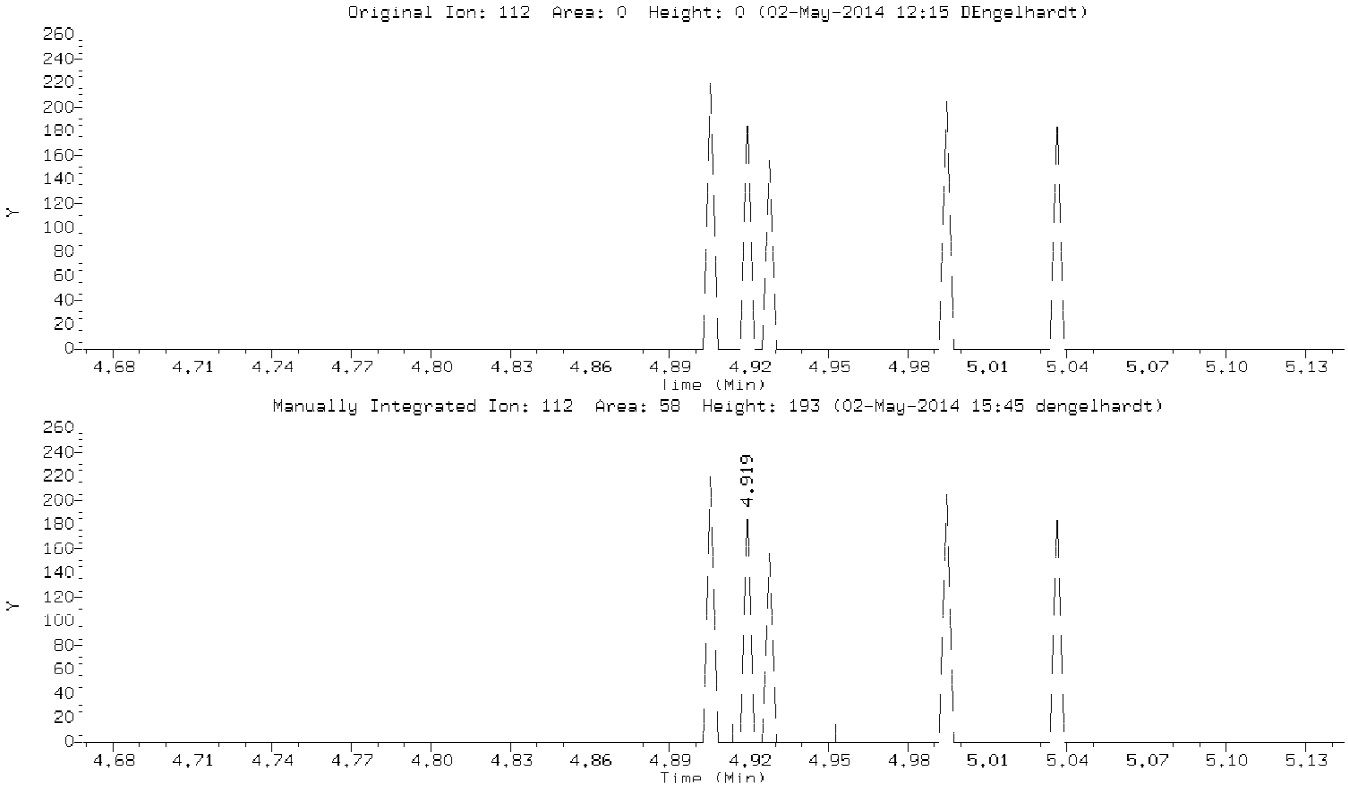
Original Ion: 62 Area: 0 Height: 0 (02-May-2014 12:15 DEngelhardt)



Manually Integrated Ion: 62 Area: 1277 Height: 1134 (02-May-2014 15:45 dengelhardt)



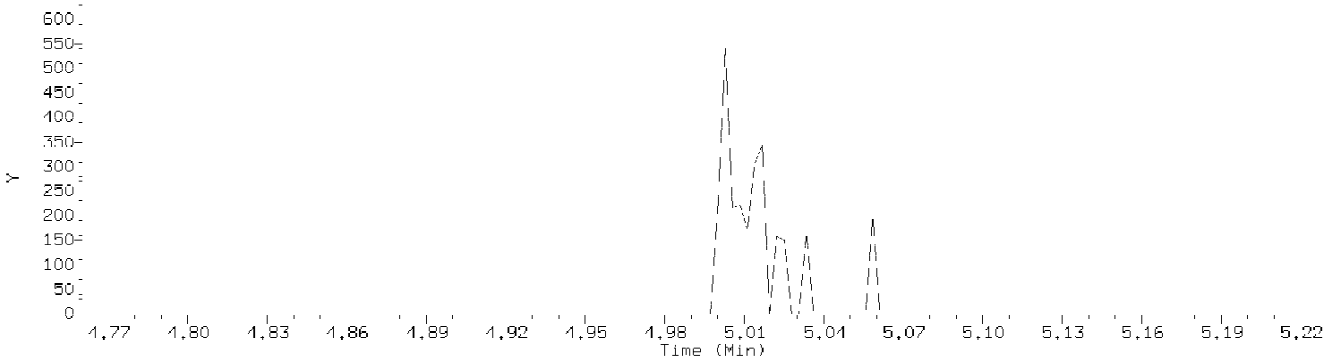
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b03cal2.d
Injection Date: 02-MAY-2014 11:59
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL2,65549:0



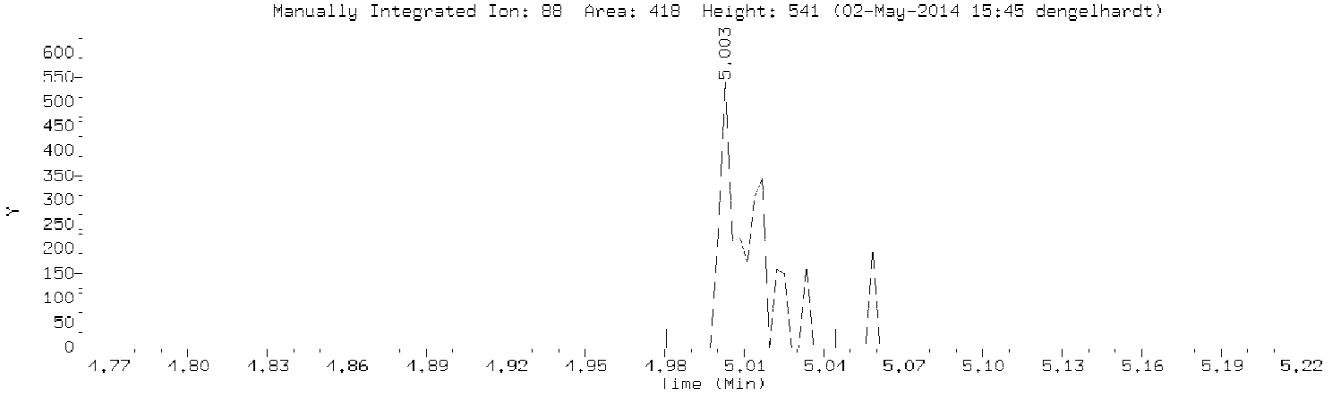
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b03cal2.d
Injection Date: 02-MAY-2014 11:59
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL2,65549:0

Compound: 1,4-Dioxane
CAS Number:

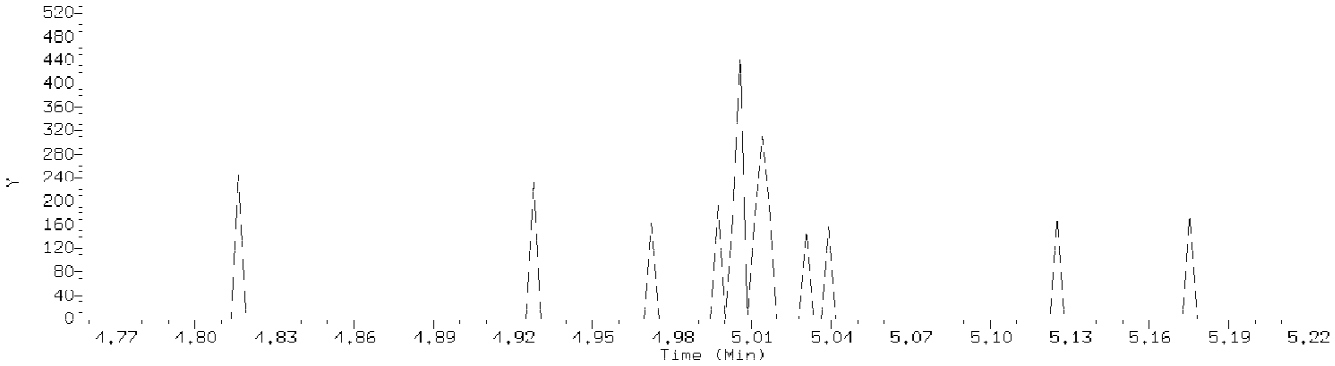
Original Ion: 88 Area: 0 Height: 0 (02-May-2014 12:15 DEngelhardt)



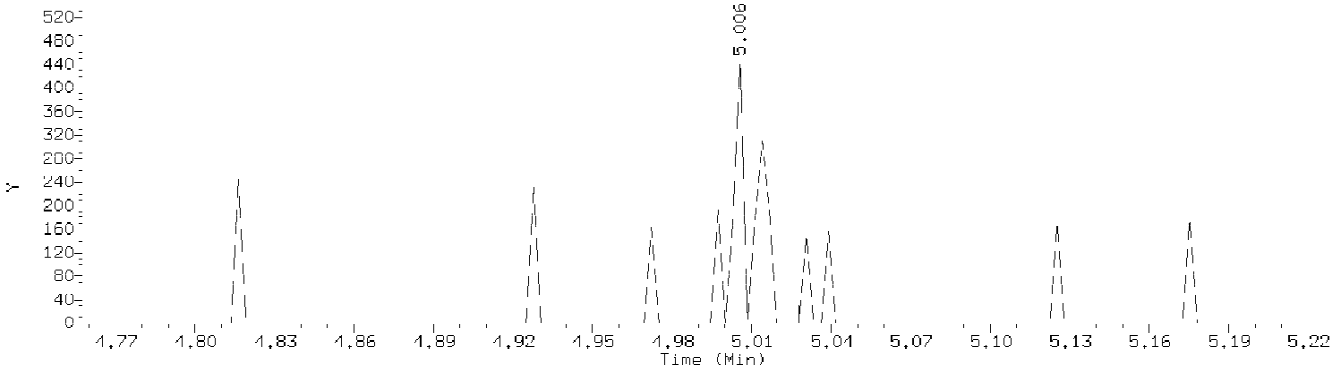
Manually Integrated Ion: 88 Area: 418 Height: 541 (02-May-2014 15:45 dengelhardt)



Original Ion: 58 Area: 0 Height: 0 (02-May-2014 12:15 DEngelhardt)

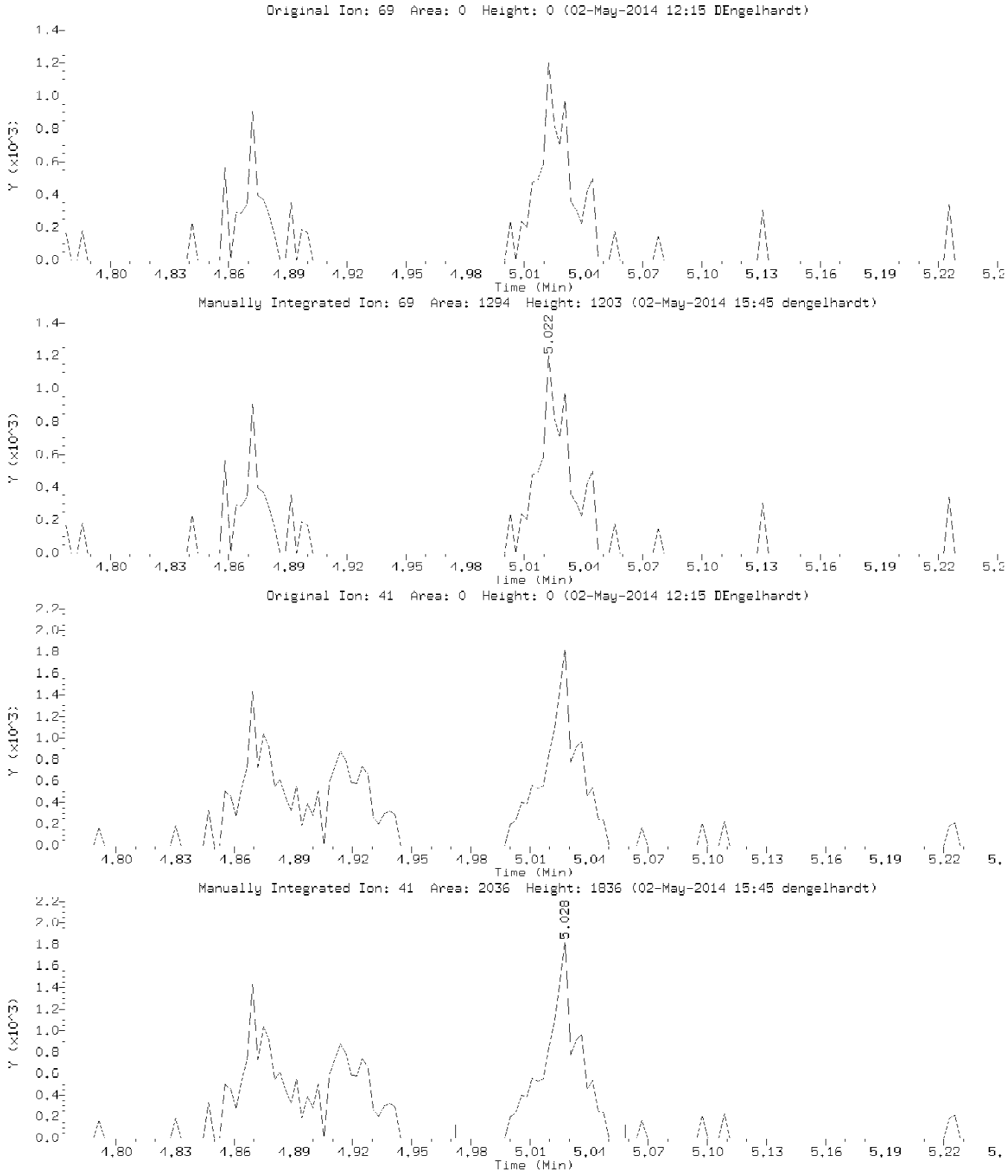


Manually Integrated Ion: 58 Area: 247 Height: 452 (02-May-2014 15:45 dengelhardt)

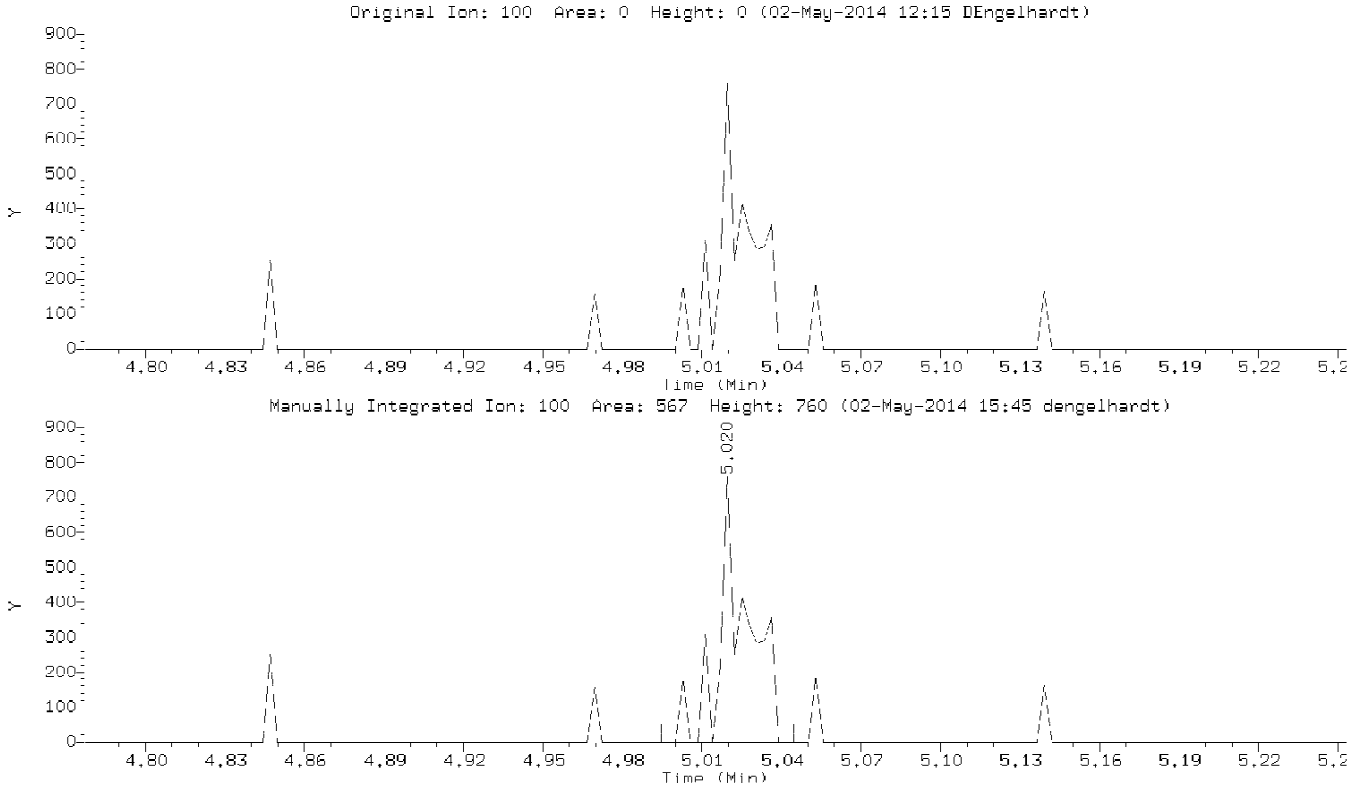


Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b03cal2.d
Injection Date: 02-MAY-2014 11:59
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL2,65549:0

Compound: Methyl methacrylate
CAS Number: 80-62-6

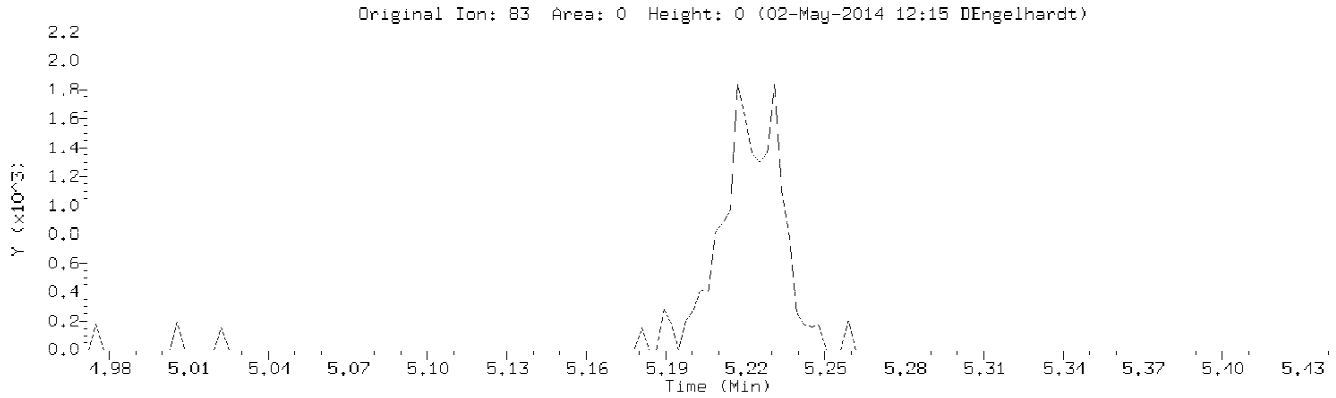


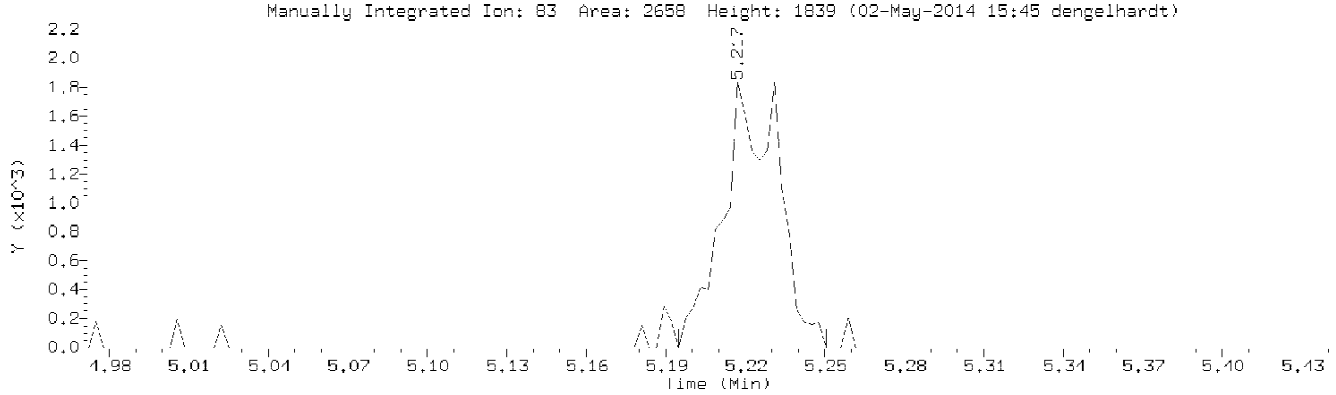
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b03cal2.d
Injection Date: 02-MAY-2014 11:59
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL2,65549:0

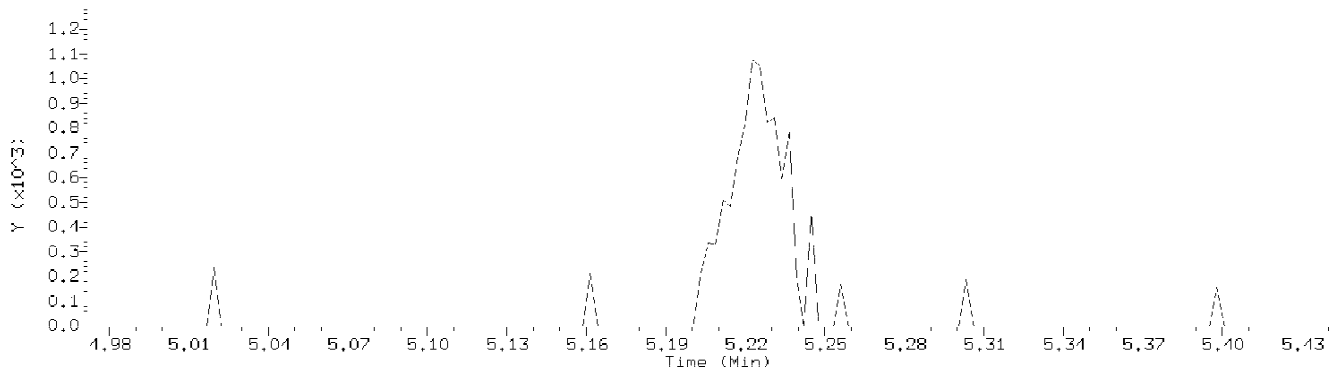


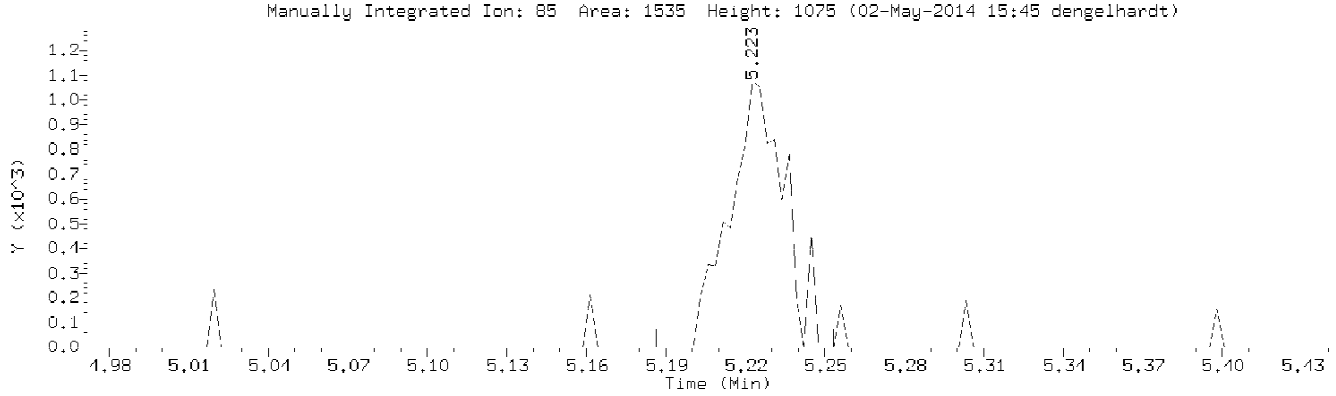
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b03cal2.d
Injection Date: 02-MAY-2014 11:59
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL2,65549:0

Compound: Bromodichloromethane
CAS Number: 75-27-4



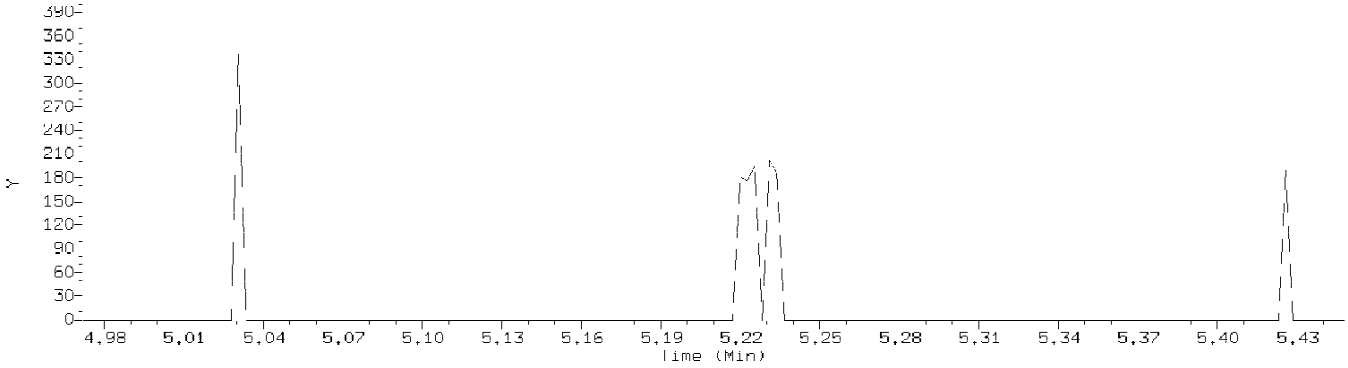




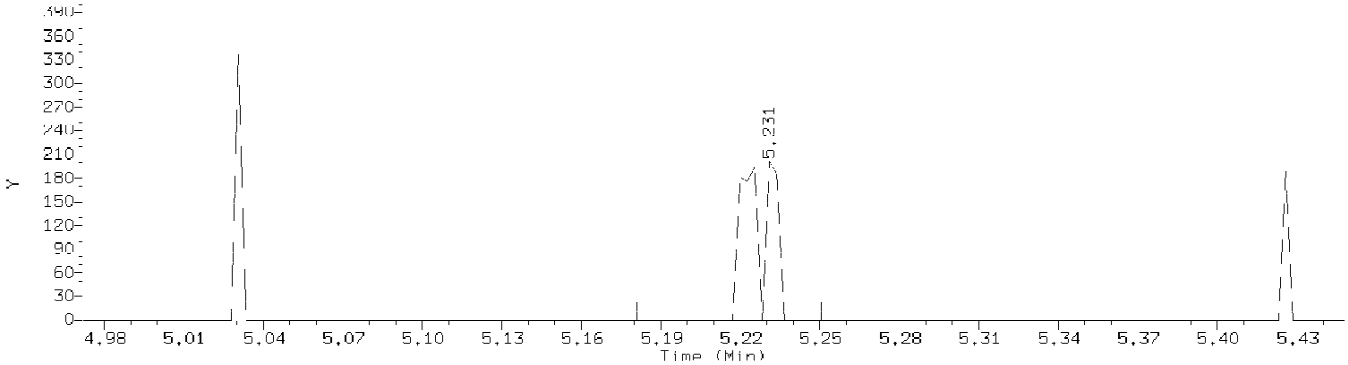


Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b03cal2.d
Injection Date: 02-MAY-2014 11:59
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL2,65549:0

Original Ion: 127 Area: 0 Height: 0 (02-May-2014 12:15 DEngelhardt)

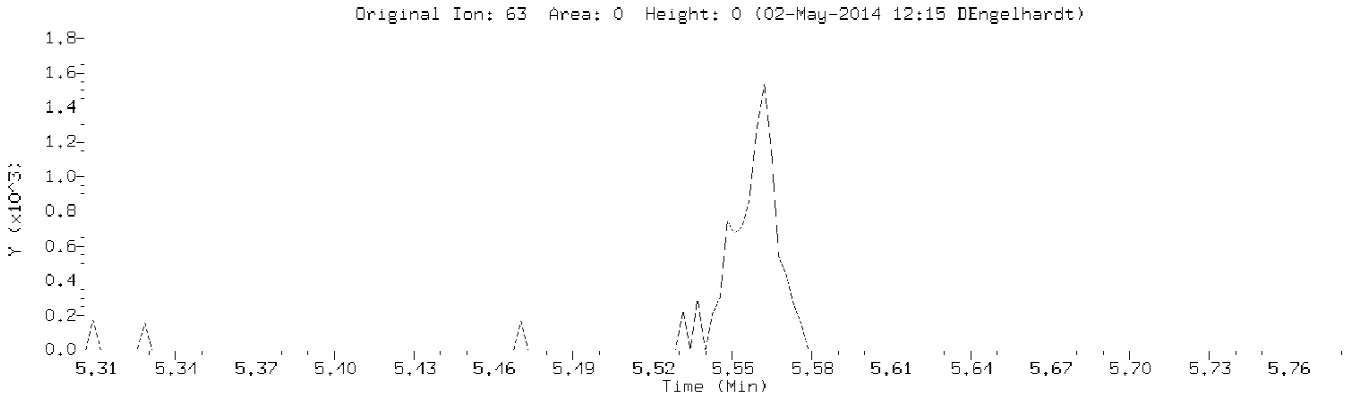


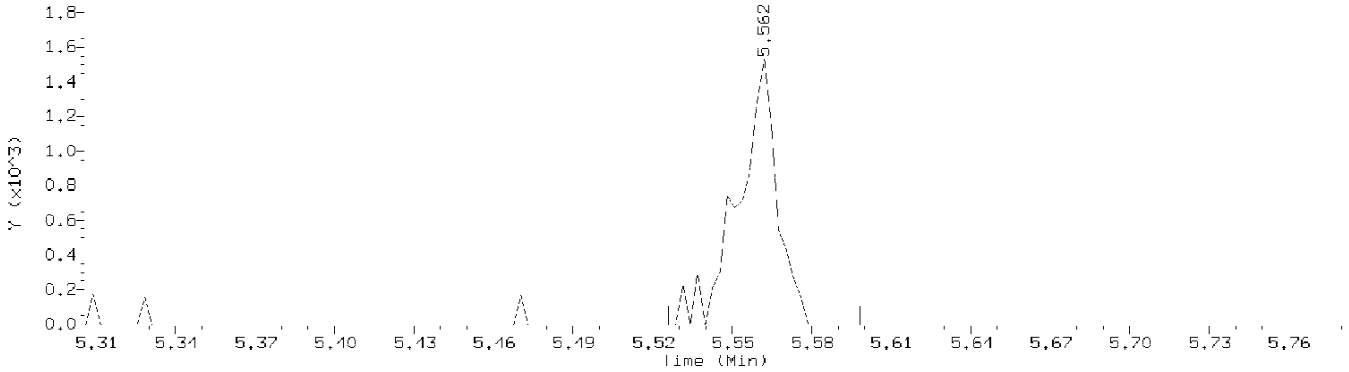
Manually Integrated Ion: 127 Area: 156 Height: 202 (02-May-2014 15:45 dengelhardt)

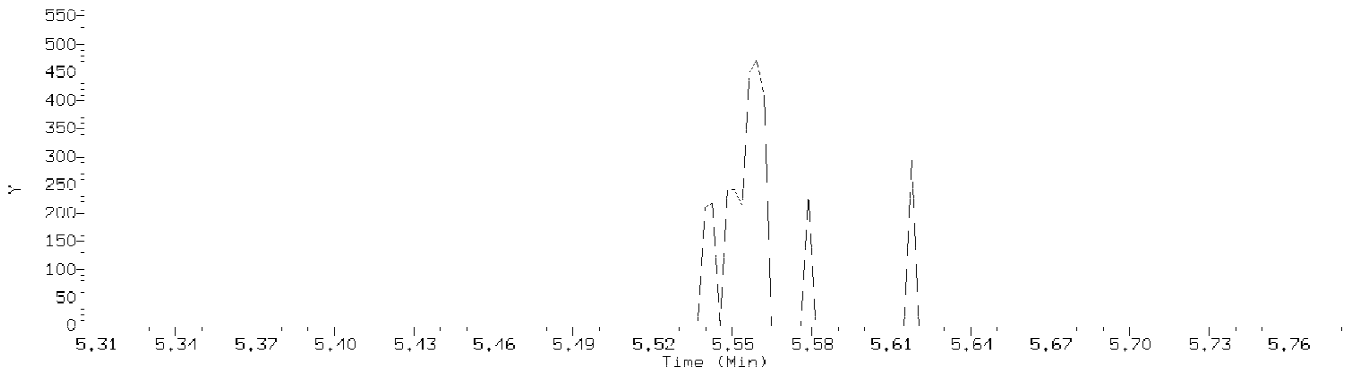


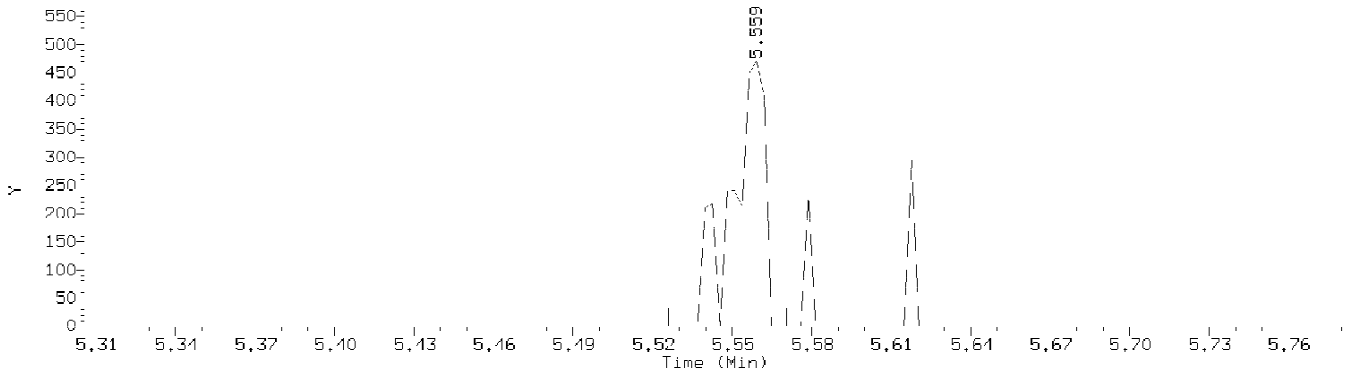
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b03cal2.d
Injection Date: 02-MAY-2014 11:59
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL2,65549:0

Compound: 2-Chloroethyl vinyl ether
CAS Number: 110-75-8





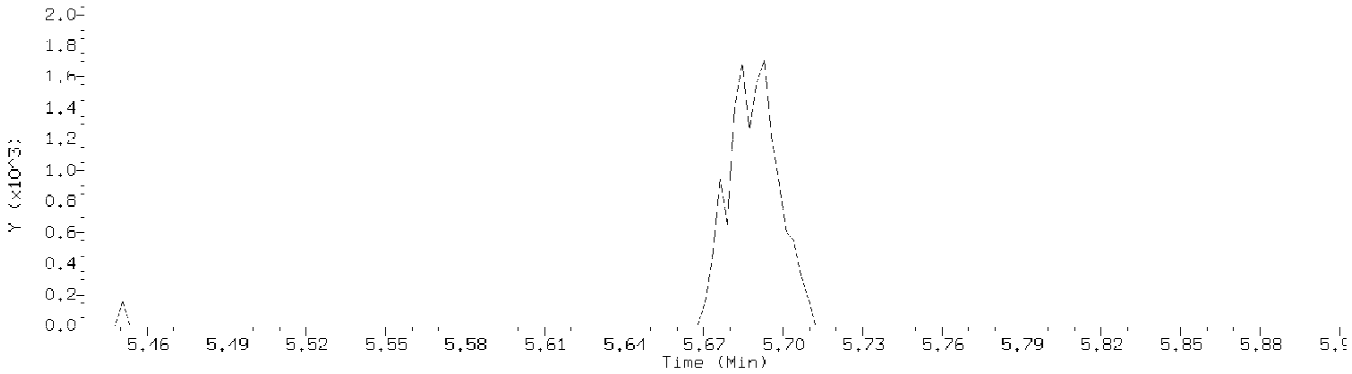




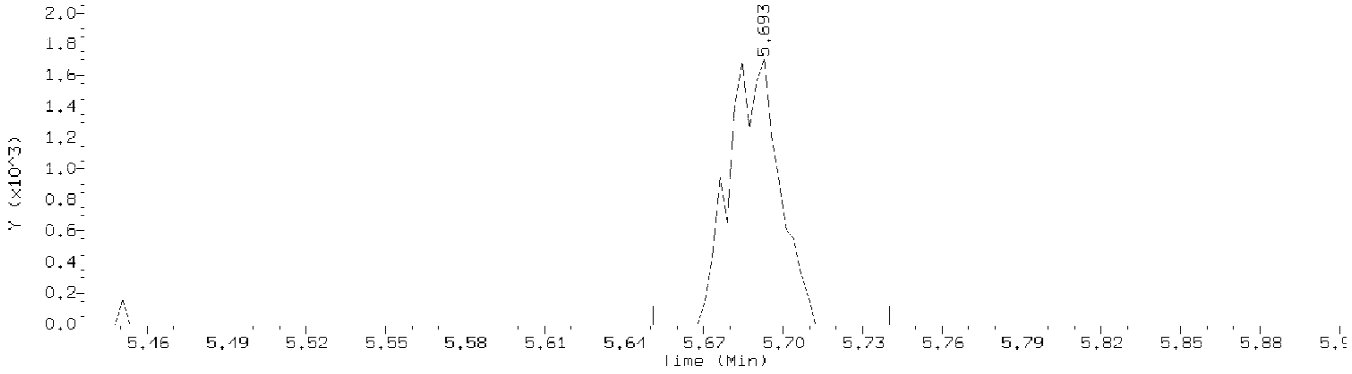
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b03cal2.d
Injection Date: 02-MAY-2014 11:59
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL2,65549:0

Compound: cis-1,3-Dichloropropene
CAS Number: 10061-01-5

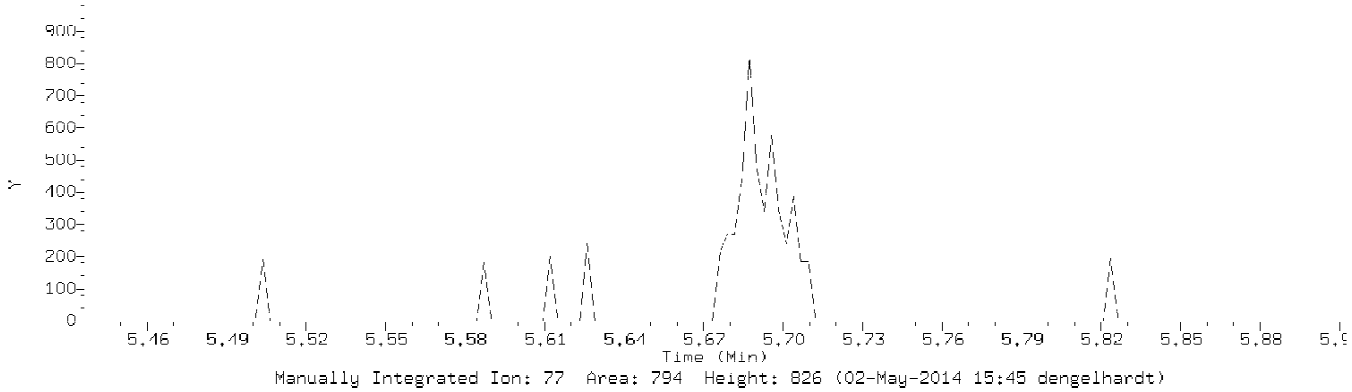
Original Ion: 75 Area: 0 Height: 0 (02-May-2014 12:15 DEngelhardt)



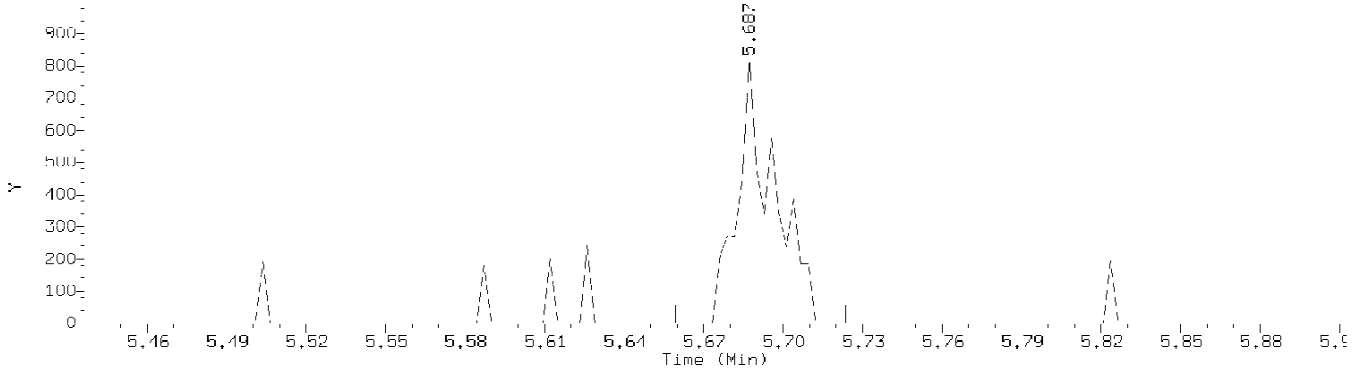
Manually Integrated Ion: 75 Area: 2275 Height: 1708 (02-May-2014 15:45 dengelhardt)



Original Ion: 77 Area: 0 Height: 0 (02-May-2014 12:15 DEngelhardt)



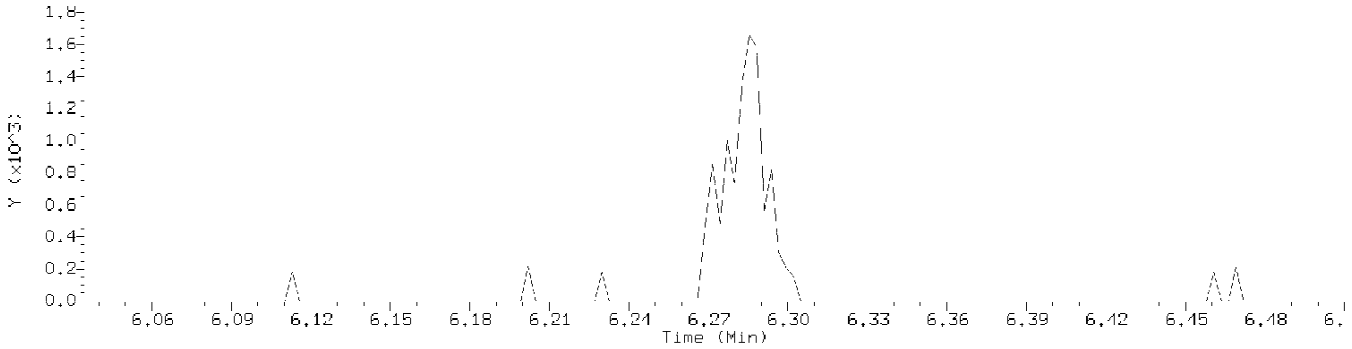
Manually Integrated Ion: 77 Area: 794 Height: 826 (02-May-2014 15:45 dengelhardt)



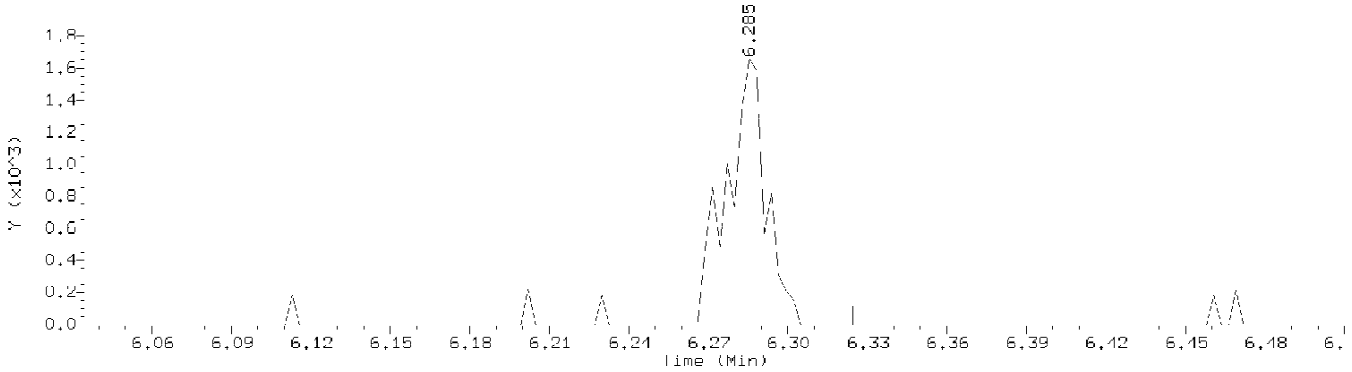
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b03cal2.d
Injection Date: 02-MAY-2014 11:59
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL2,65549:0

Compound: trans-1,3-Dichloropropene
CAS Number: 10061-02-6

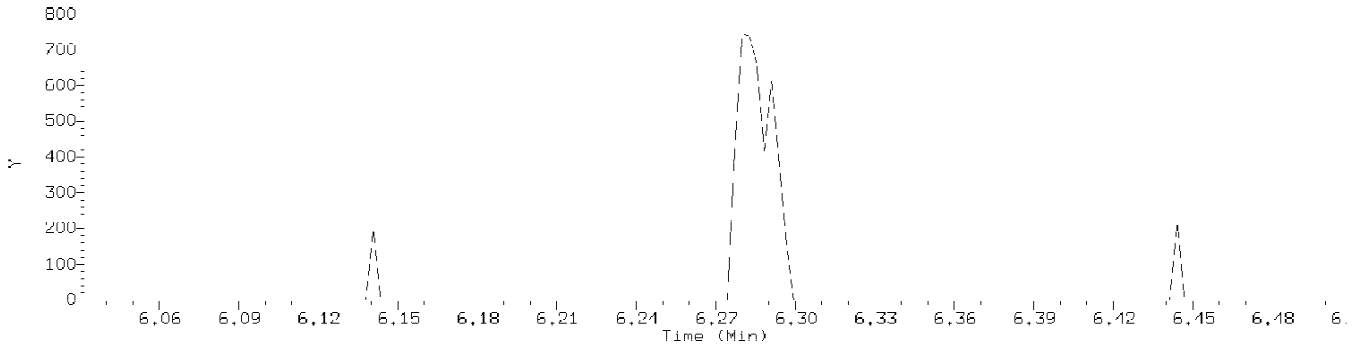
Original Ion: 75 Area: 0 Height: 0 (02-May-2014 12:15 DEngelhardt)



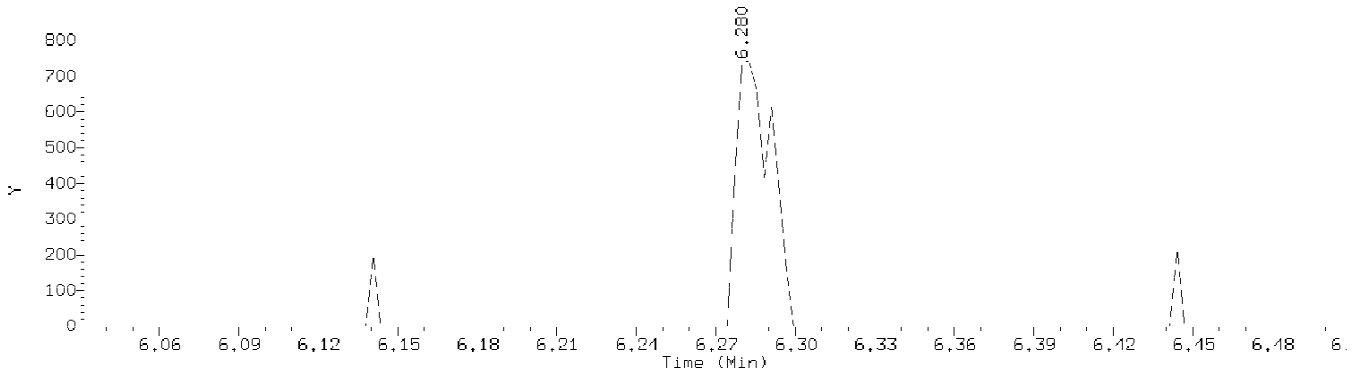
Manually Integrated Ion: 75 Area: 1704 Height: 1658 (02-May-2014 15:45 dengelhardt)



Original Ion: 77 Area: 0 Height: 0 (02-May-2014 12:15 DEngelhardt)



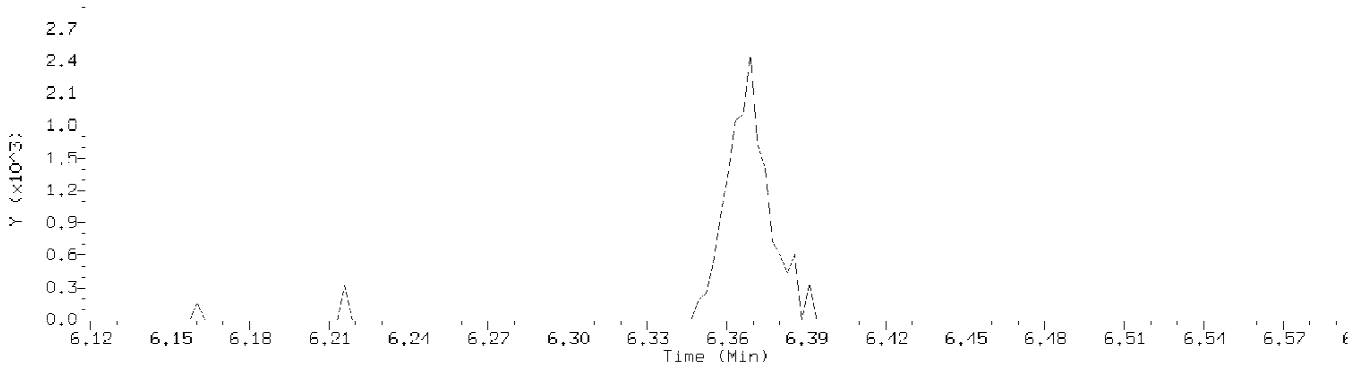
Manually Integrated Ion: 77 Area: 692 Height: 744 (02-May-2014 15:45 dengelhardt)



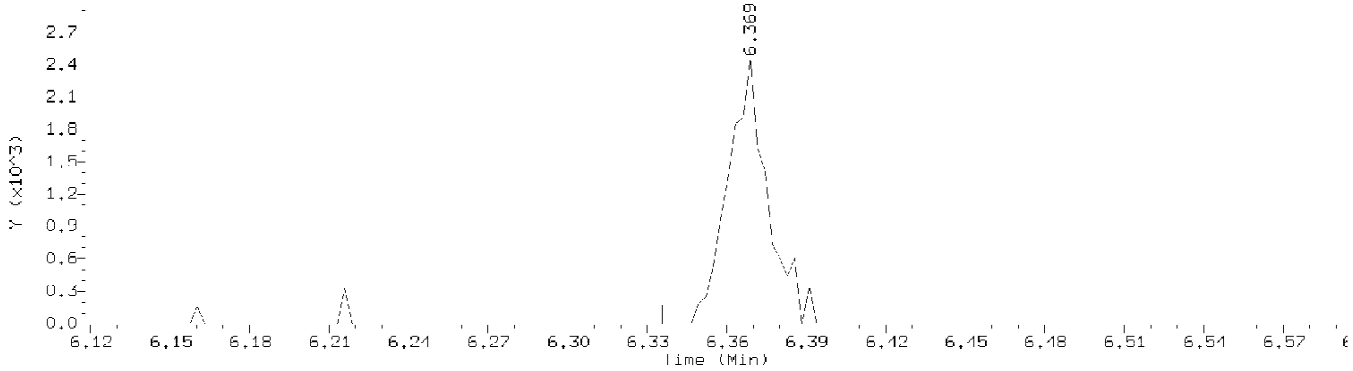
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b03cal2.d
Injection Date: 02-MAY-2014 11:59
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL2,65549:0

Compound: Ethyl Methacrylate
CAS Number:

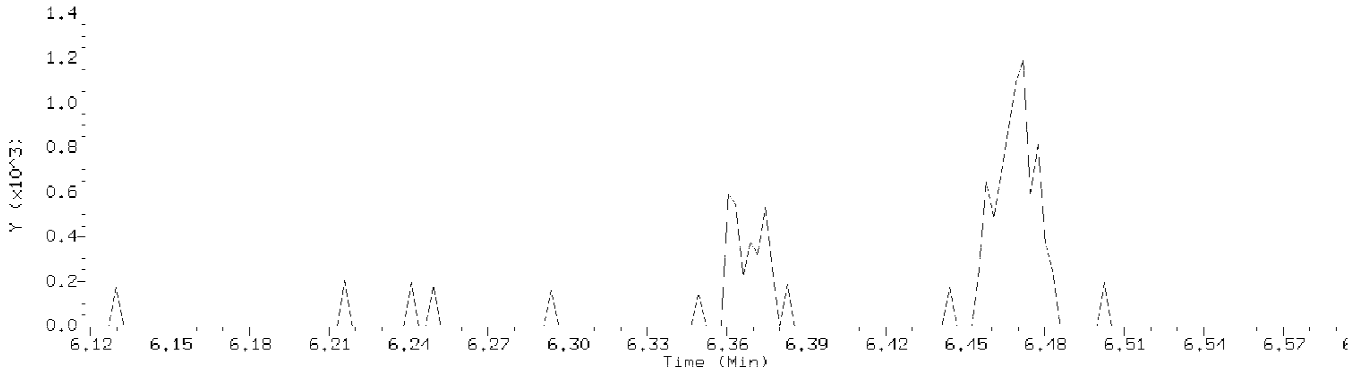
Original Ion: 69 Area: 0 Height: 0 (02-May-2014 12:15 DEngelhardt)



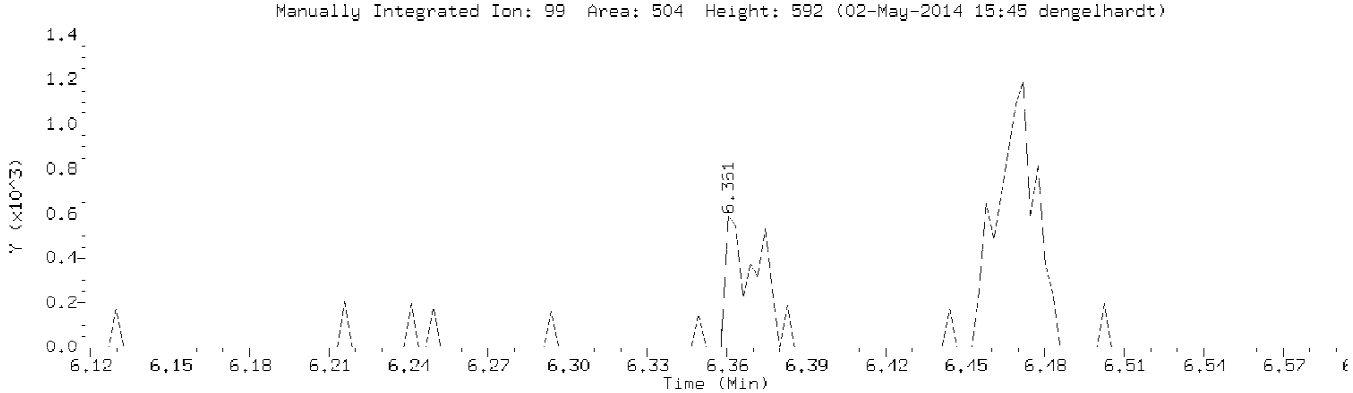
Manually Integrated Ion: 69 Area: 2557 Height: 2465 (02-May-2014 15:45 dengelhardt)



Original Ion: 99 Area: 0 Height: 0 (02-May-2014 12:15 DEngelhardt)

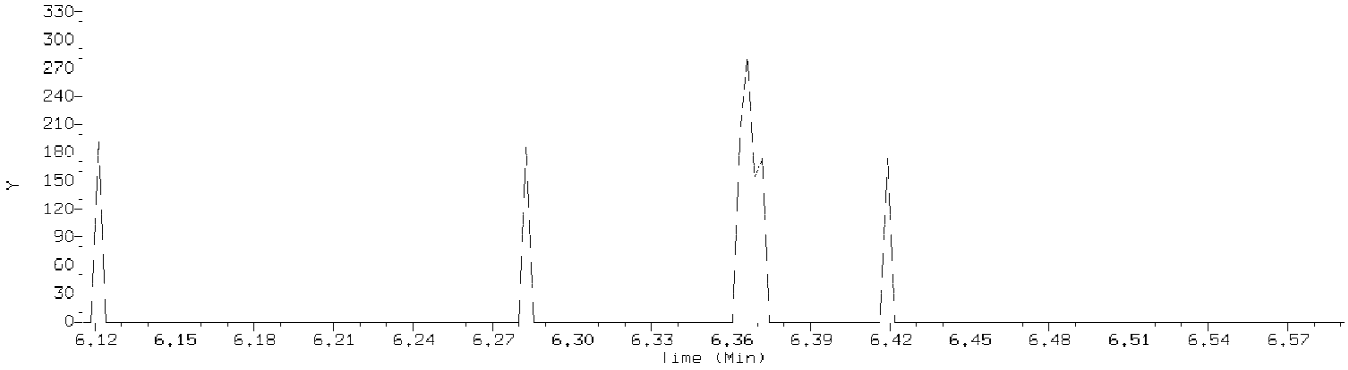


Manually Integrated Ion: 99 Area: 504 Height: 592 (02-May-2014 15:45 dengelhardt)

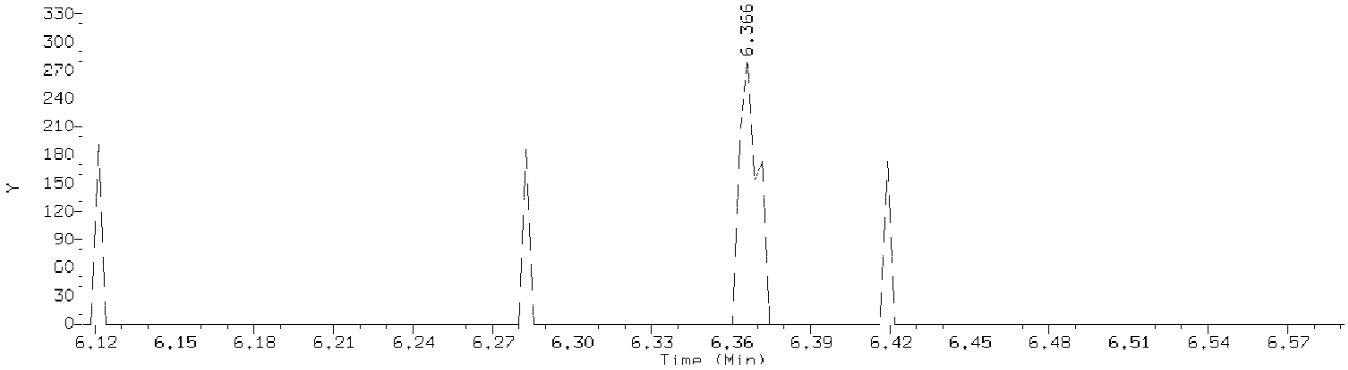


Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b03cal2.d
Injection Date: 02-MAY-2014 11:59
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL2,65549:0

Original Ion: 114 Area: 0 Height: 0 (02-May-2014 12:15 DEngelhardt)



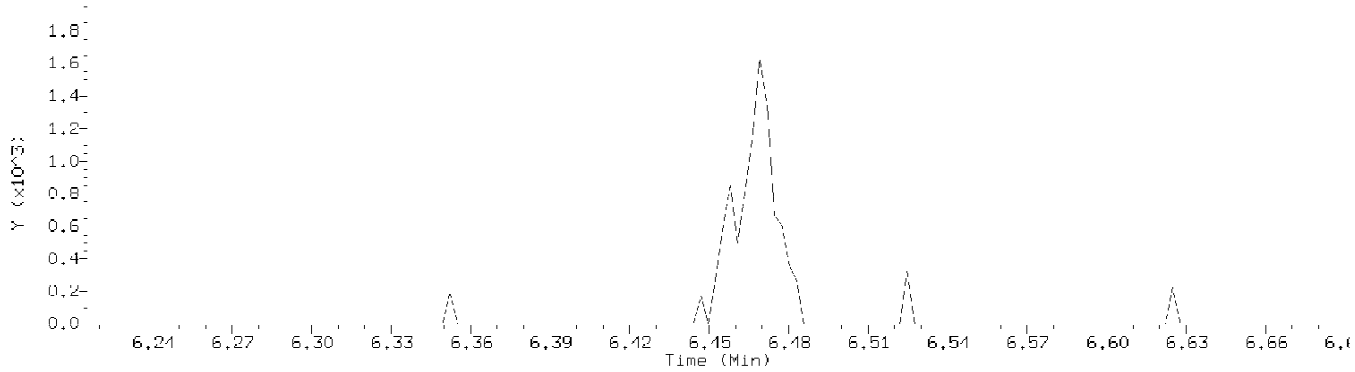
Manually Integrated Ion: 114 Area: 135 Height: 283 (02-May-2014 15:45 dengelhardt)



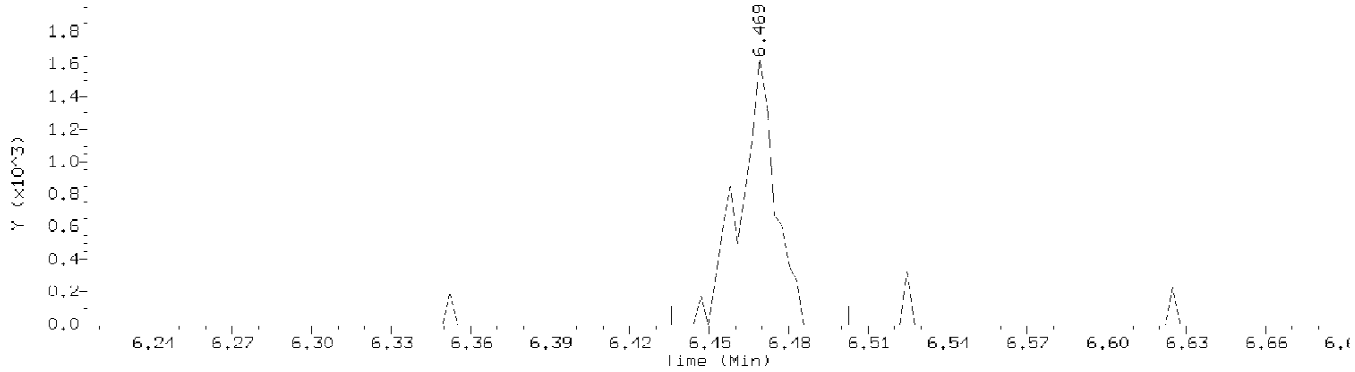
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b03cal2.d
Injection Date: 02-MAY-2014 11:59
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL2,65549:0

Compound: 1,1,2-Trichloroethane
CAS Number: 79-00-5

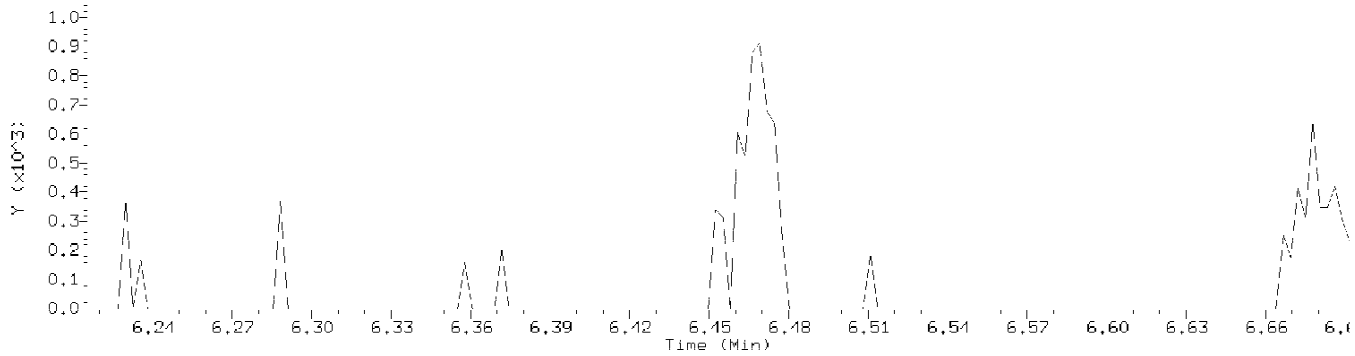
Original Ion: 83 Area: 0 Height: 0 (02-May-2014 12:15 DEngelhardt)



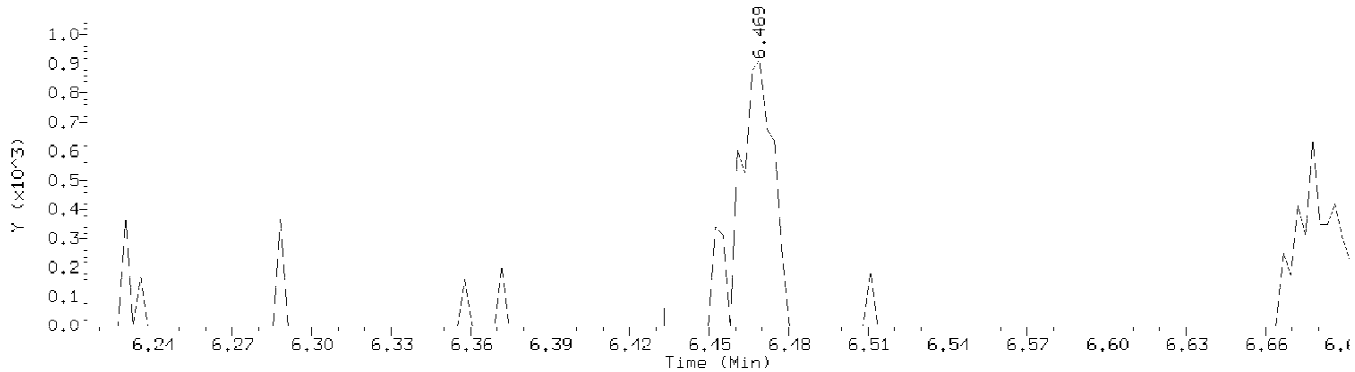
Manually Integrated Ion: 83 Area: 1545 Height: 1634 (02-May-2014 15:45 dengelhardt)



Original Ion: 85 Area: 0 Height: 0 (02-May-2014 12:15 DEngelhardt)

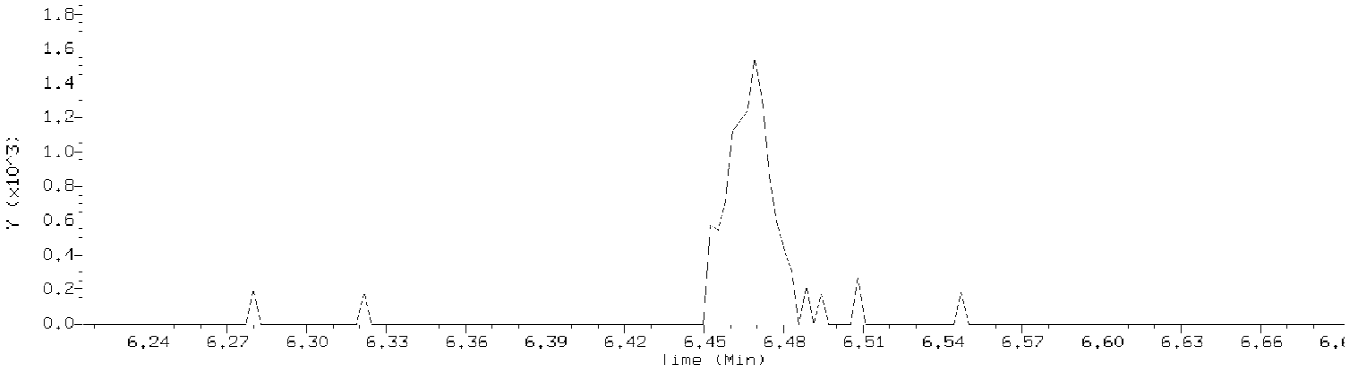


Manually Integrated Ion: 85 Area: 860 Height: 912 (02-May-2014 15:45 dengelhardt)

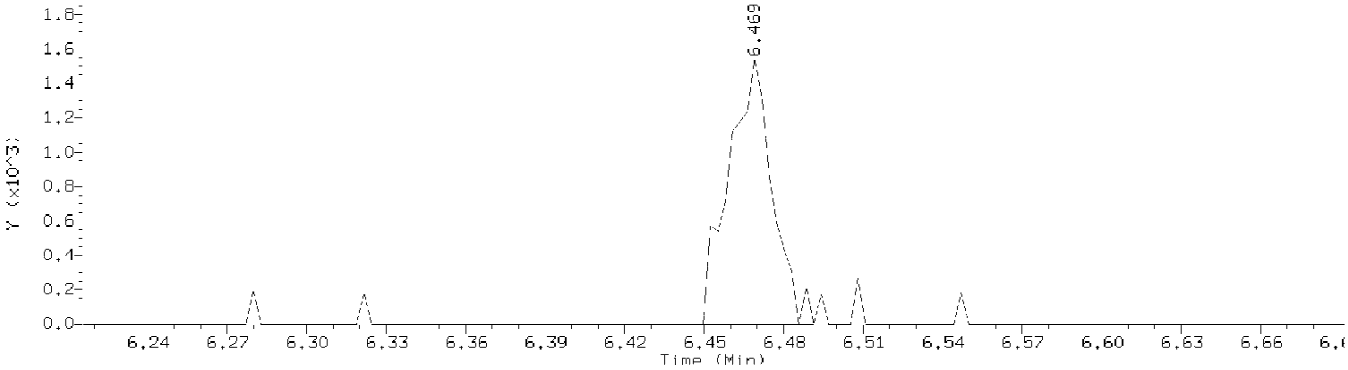


Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b03cal2.d
Injection Date: 02-MAY-2014 11:59
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL2,65549:0

Original Ion: 97 Area: 0 Height: 0 (02-May-2014 12:15 DEngelhardt)

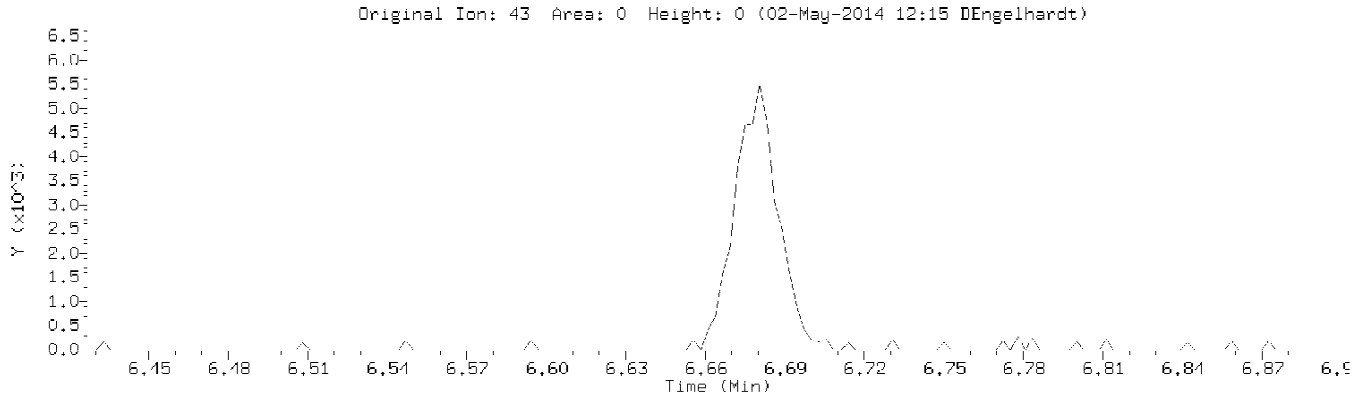


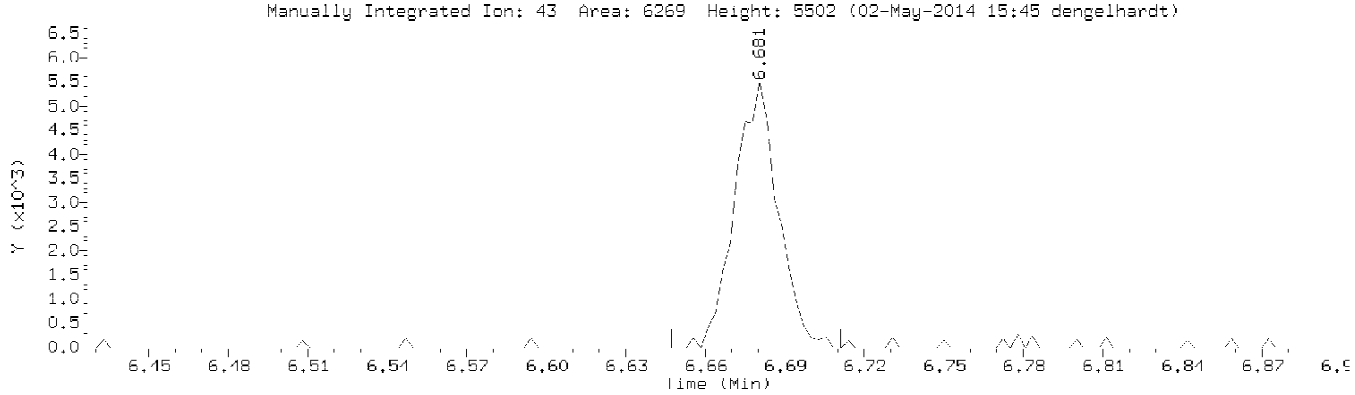
Manually Integrated Ion: 97 Area: 1769 Height: 1546 (02-May-2014 15:45 dengelhardt)

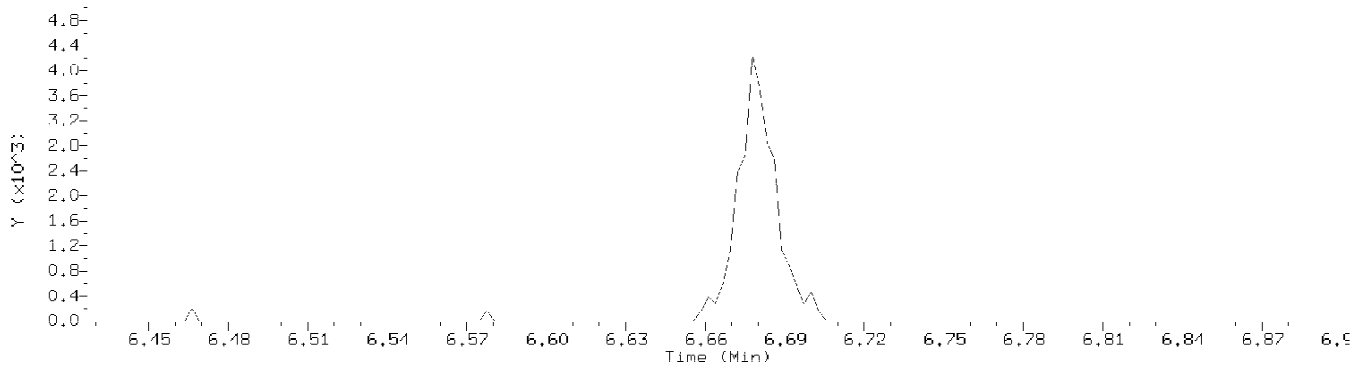


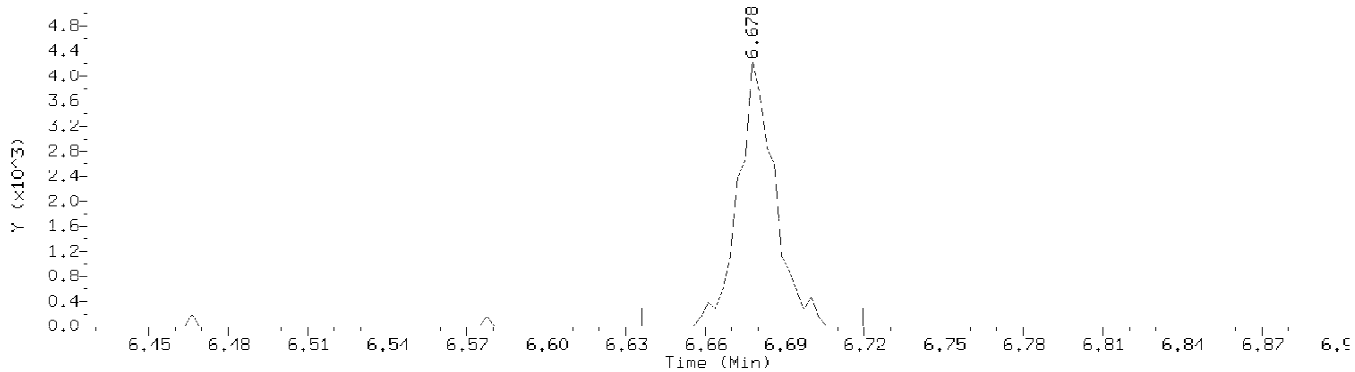
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b03cal2.d
Injection Date: 02-MAY-2014 11:59
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL2,65549:0

Compound: 2-Hexanone
CAS Number: 591-78-6

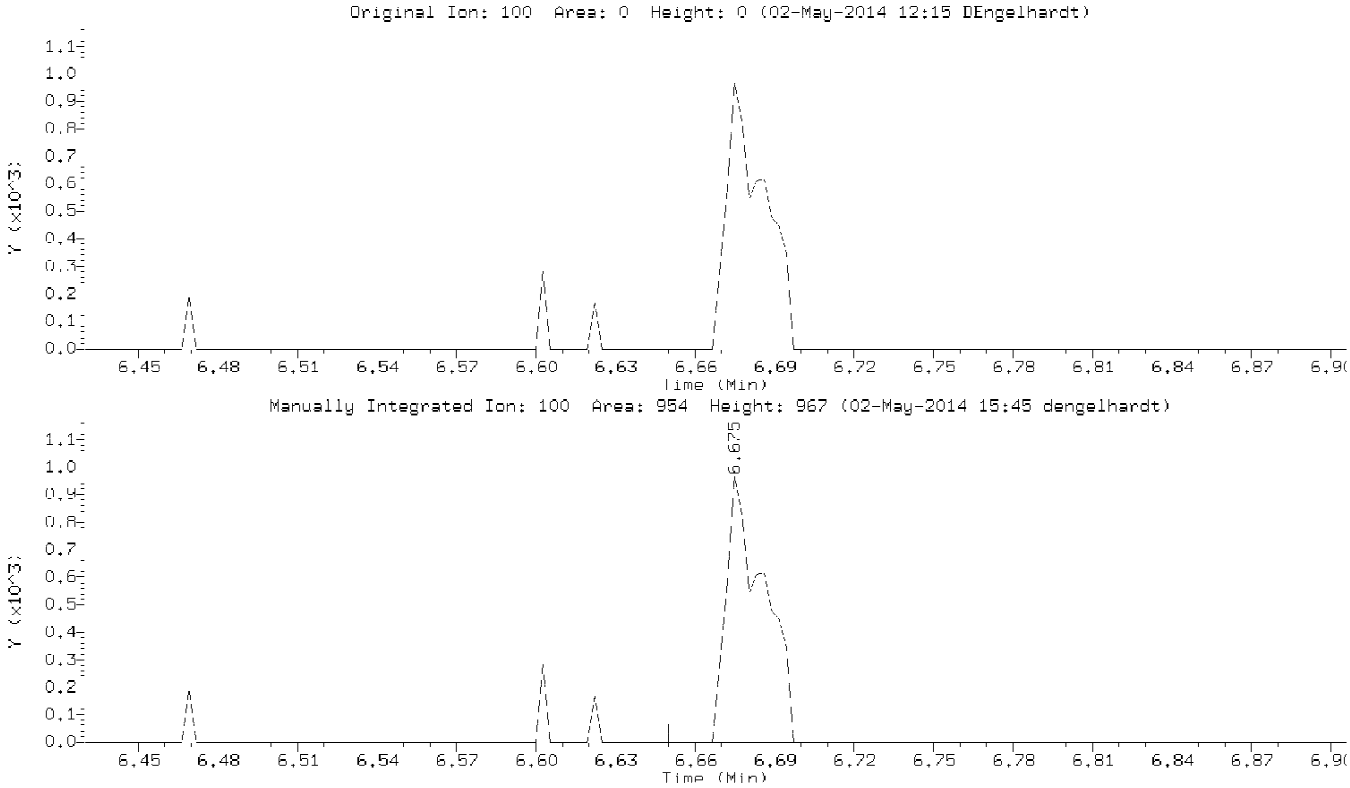








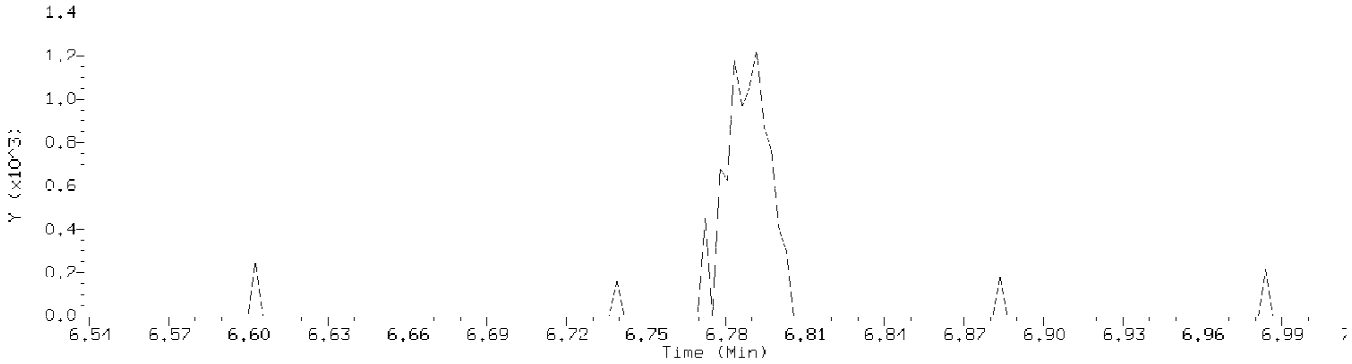
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b03cal2.d
Injection Date: 02-MAY-2014 11:59
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL2,65549:0



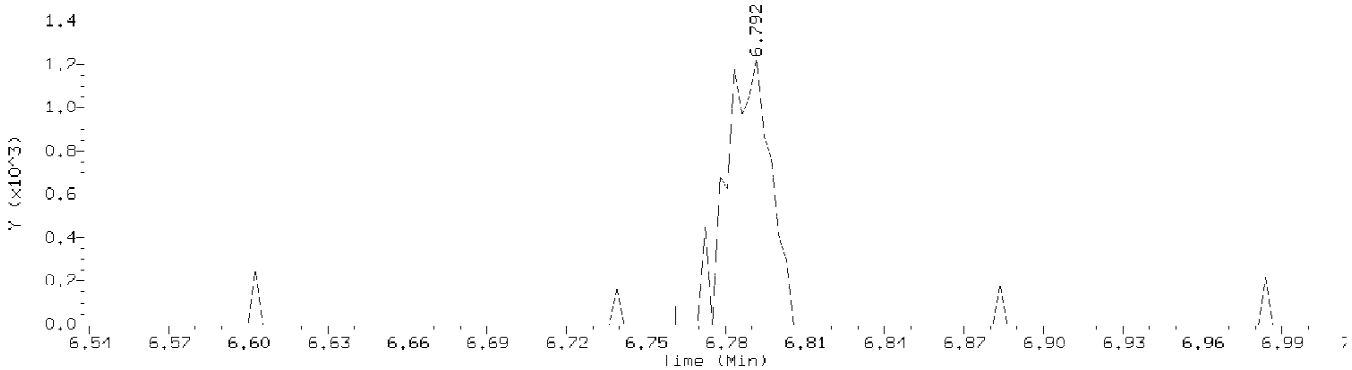
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b03cal2.d
Injection Date: 02-MAY-2014 11:59
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL2,65549:0

Compound: Dibromochloromethane
CAS Number: 124-48-1

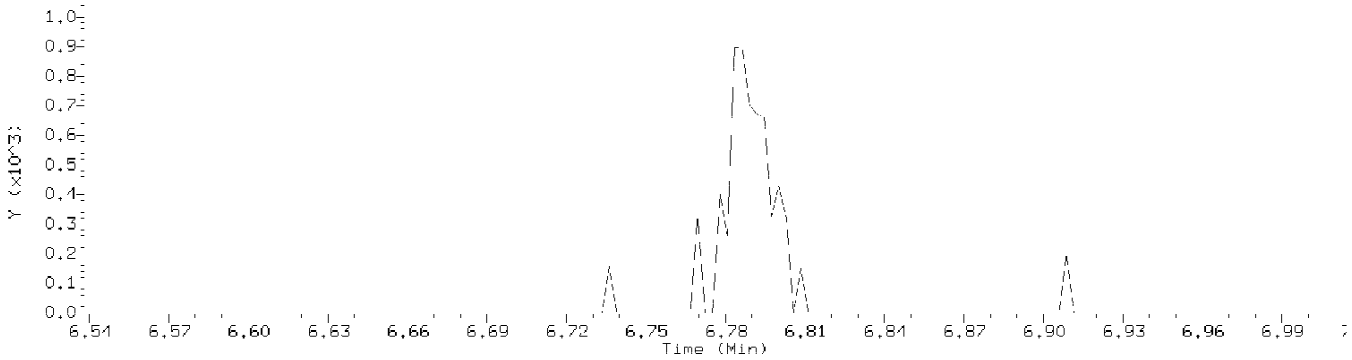
Original Ion: 129 Area: 0 Height: 0 (02-May-2014 12:15 DEngelhardt)



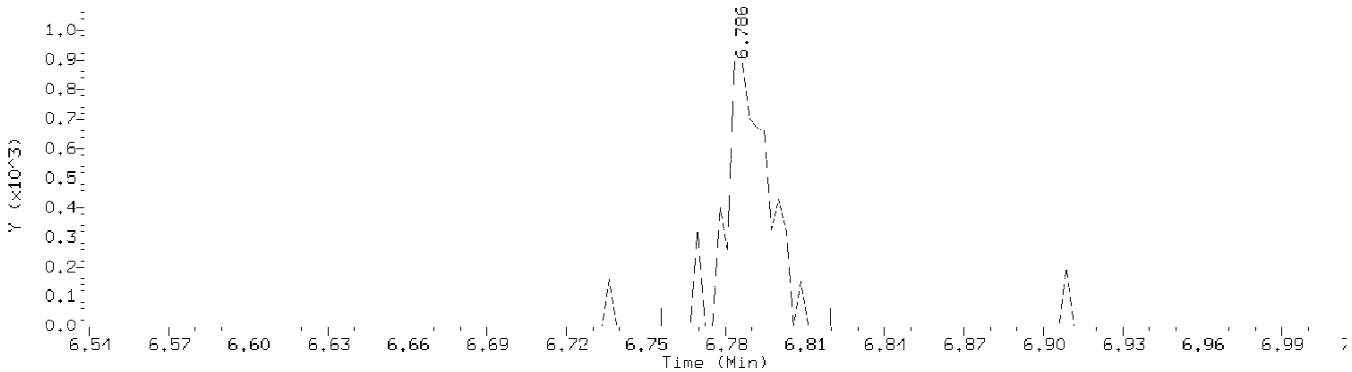
Manually Integrated Ion: 129 Area: 1422 Height: 1226 (02-May-2014 15:45 dengelhardt)



Original Ion: 127 Area: 0 Height: 0 (02-May-2014 12:15 DEngelhardt)



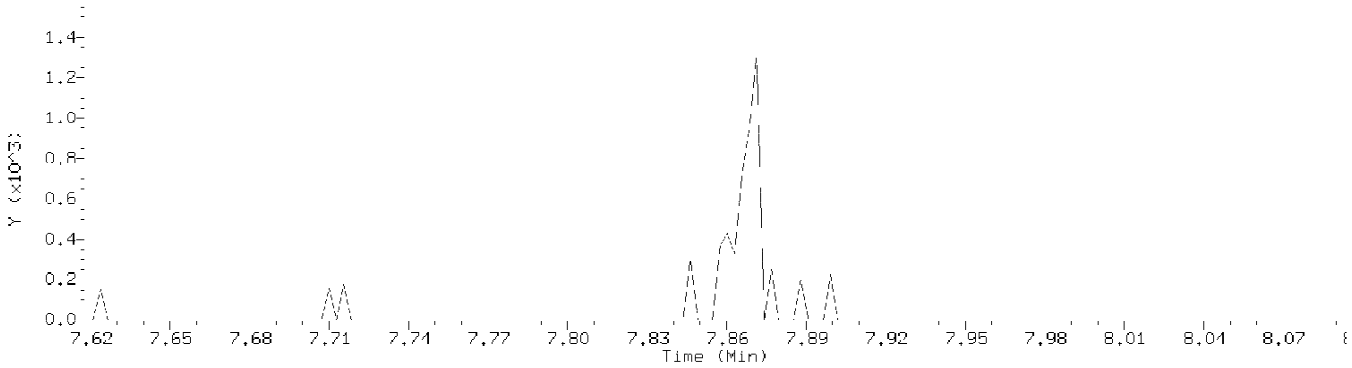
Manually Integrated Ion: 127 Area: 1009 Height: 898 (02-May-2014 15:45 dengelhardt)



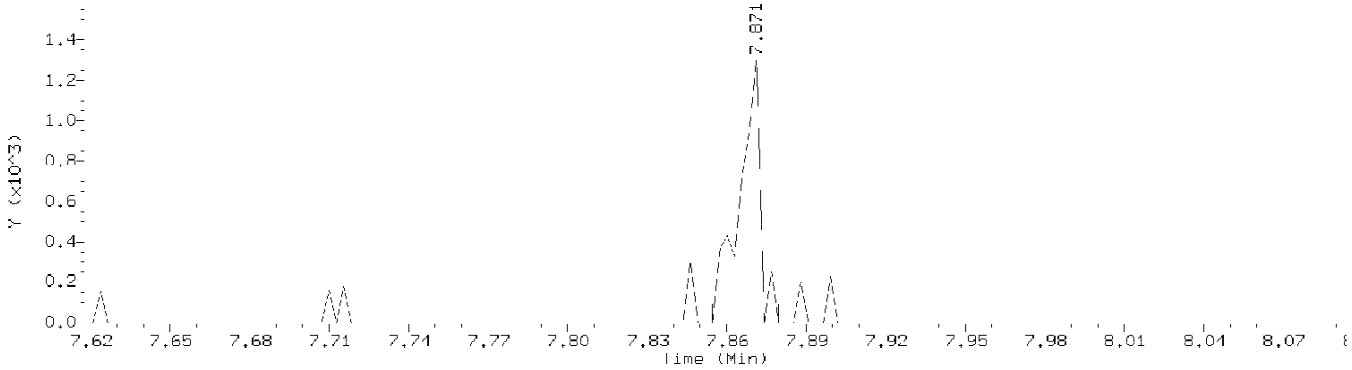
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b03cal2.d
Injection Date: 02-MAY-2014 11:59
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL2,65549:0

Compound: Bromoform
CAS Number: 75-25-2

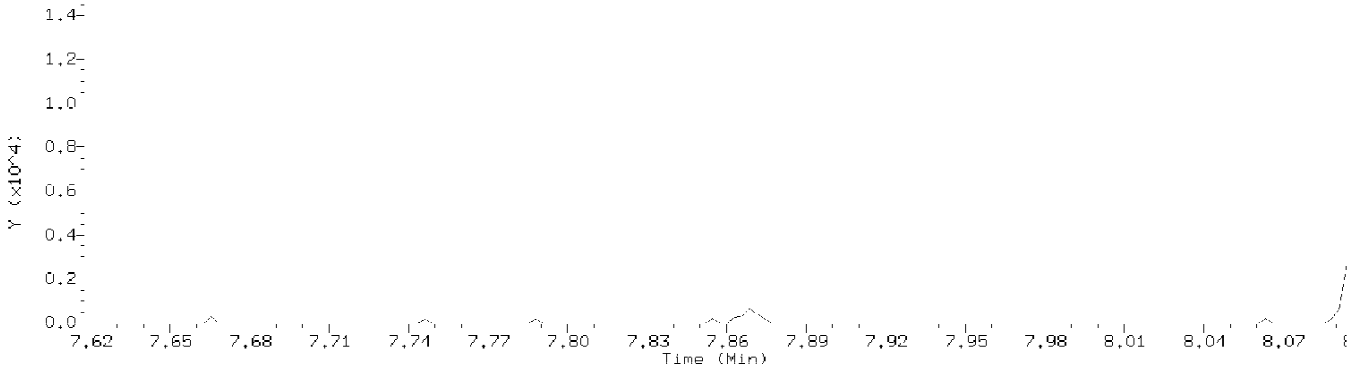
Original Ion: 173 Area: 0 Height: 0 (02-May-2014 12:15 DEngelhardt)



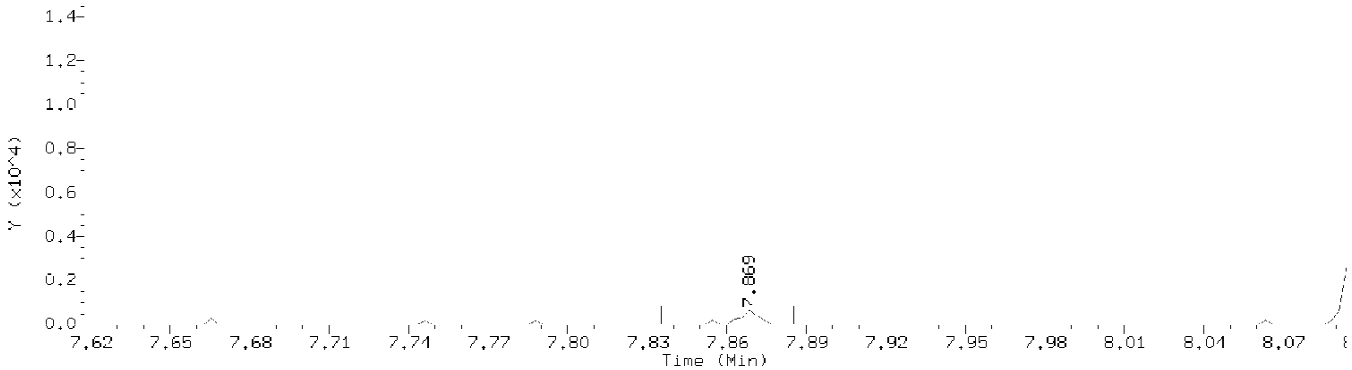
Manually Integrated Ion: 173 Area: 730 Height: 1317 (02-May-2014 15:45 dengelhardt)



Original Ion: 175 Area: 0 Height: 0 (02-May-2014 12:15 DEngelhardt)

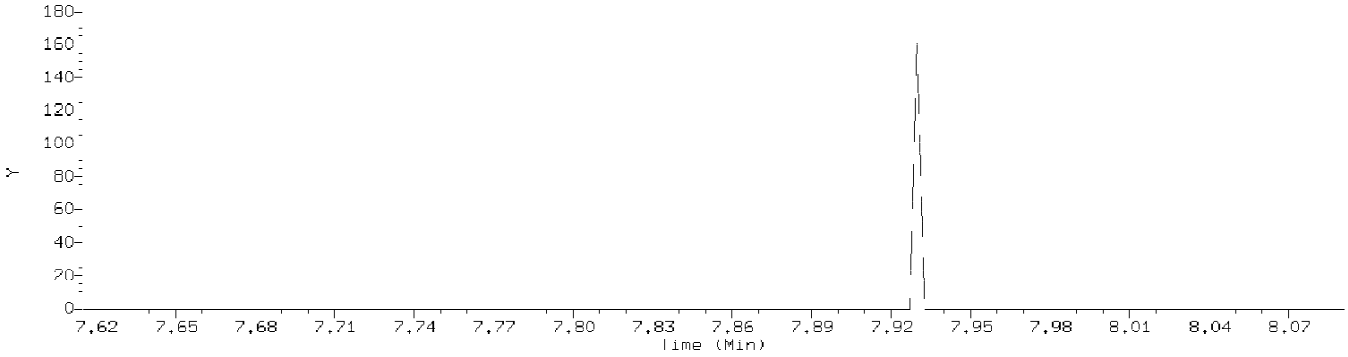


Manually Integrated Ion: 175 Area: 331 Height: 668 (02-May-2014 15:45 dengelhardt)

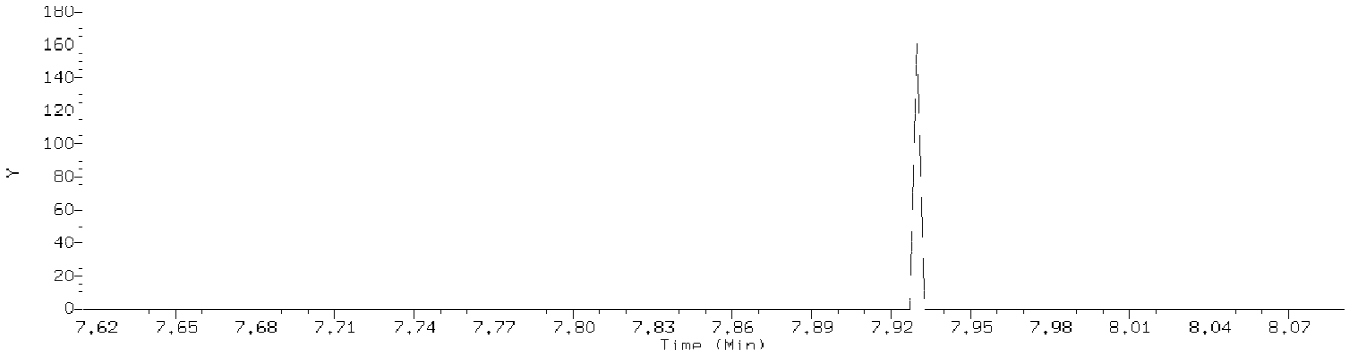


Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b03cal2.d
Injection Date: 02-MAY-2014 11:59
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL2,65549:0

Original Ion: 253.8 Area: 0 Height: 0 (02-May-2014 12:15 DEngelhardt)



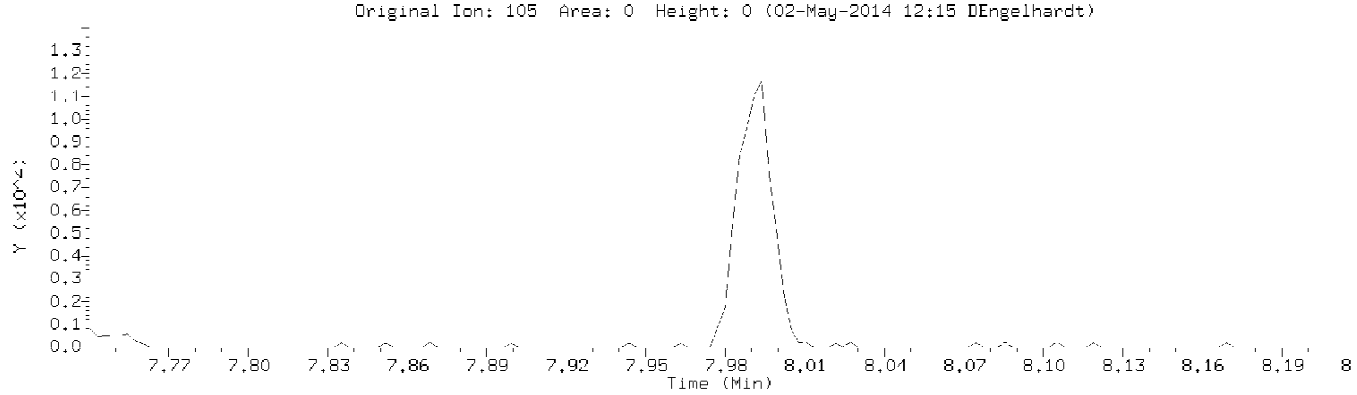
Manually Integrated Ion: 253.8 Area: 0 Height: 0 (02-May-2014 15:45 dengelhardt)



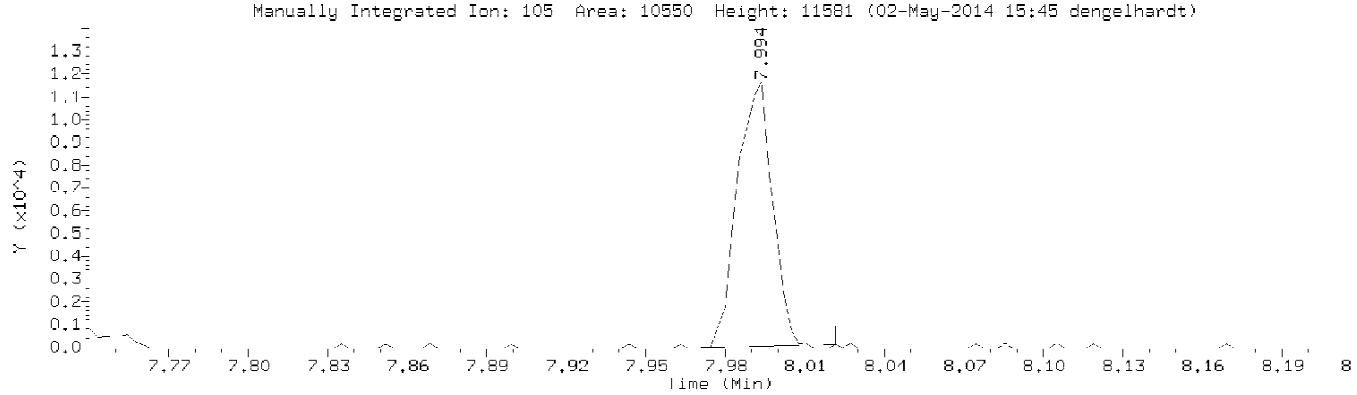
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b03cal2.d
Injection Date: 02-MAY-2014 11:59
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL2,65549:0

Compound: Isopropylbenzene
CAS Number: 98-82-8

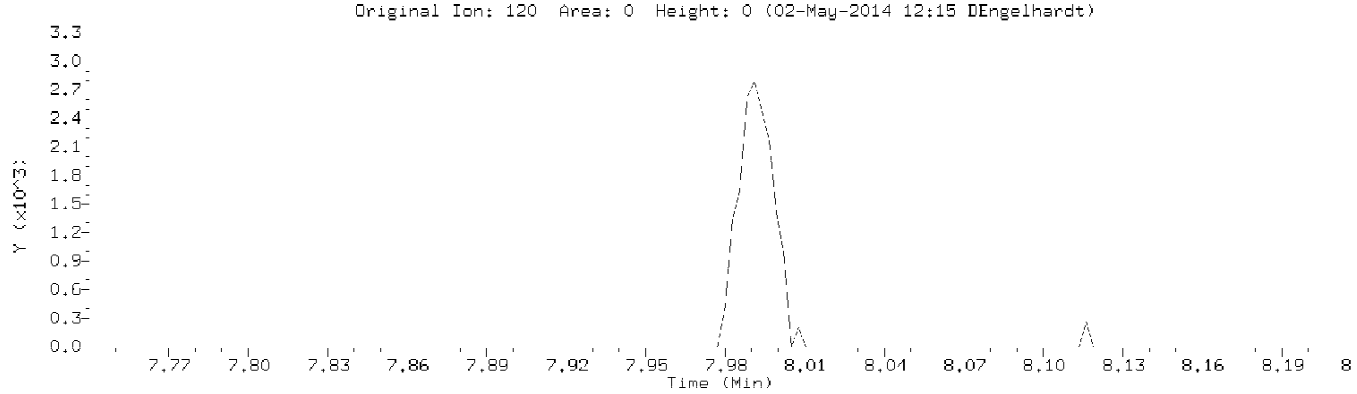
Original Ion: 105 Area: 0 Height: 0 (02-May-2014 12:15 DEngelhardt)



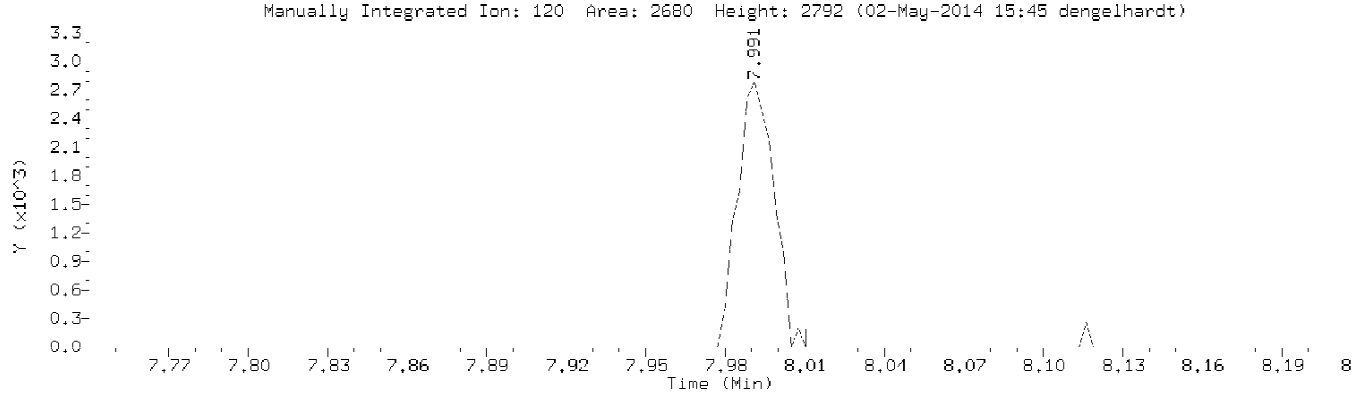
Manually Integrated Ion: 105 Area: 10550 Height: 11581 (02-May-2014 15:45 dengelhardt)



Original Ion: 120 Area: 0 Height: 0 (02-May-2014 12:15 DEngelhardt)

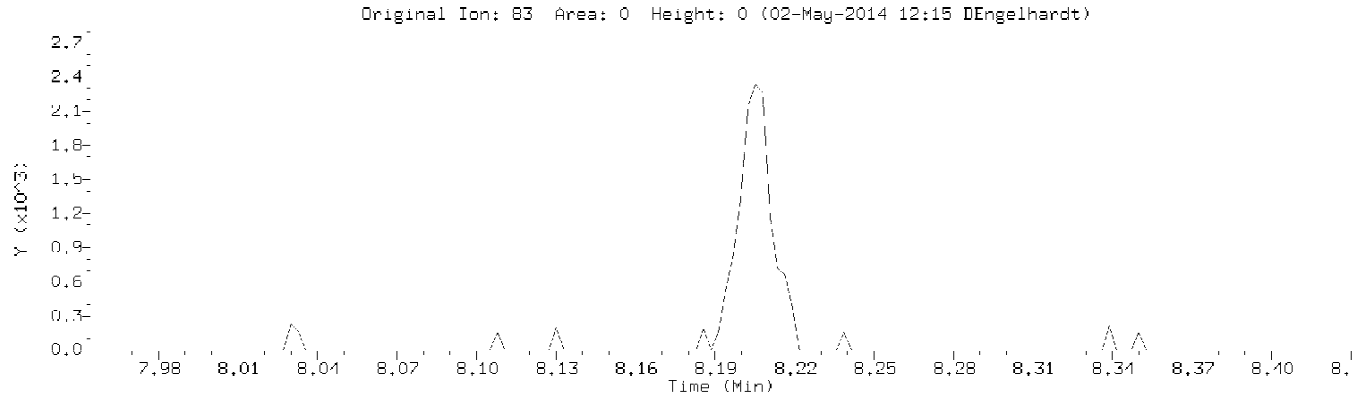


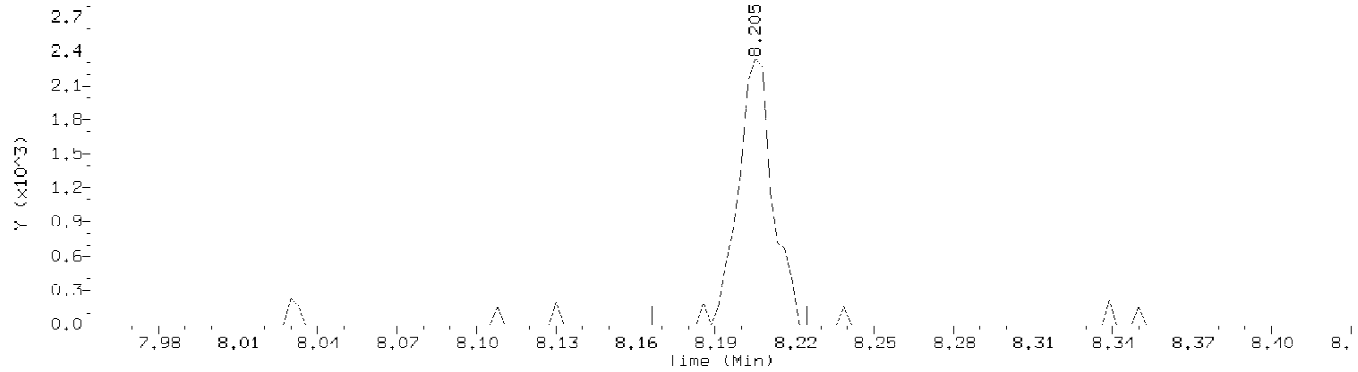
Manually Integrated Ion: 120 Area: 2680 Height: 2792 (02-May-2014 15:45 dengelhardt)

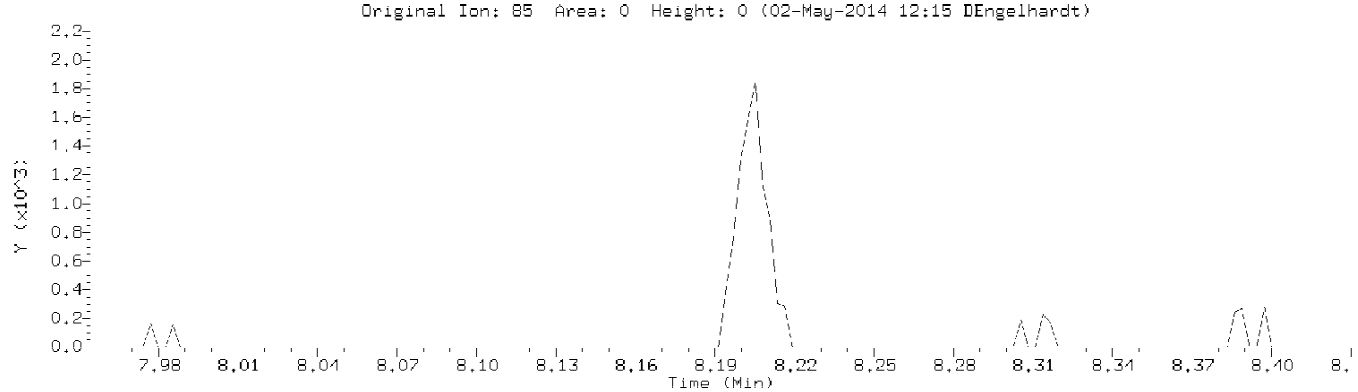


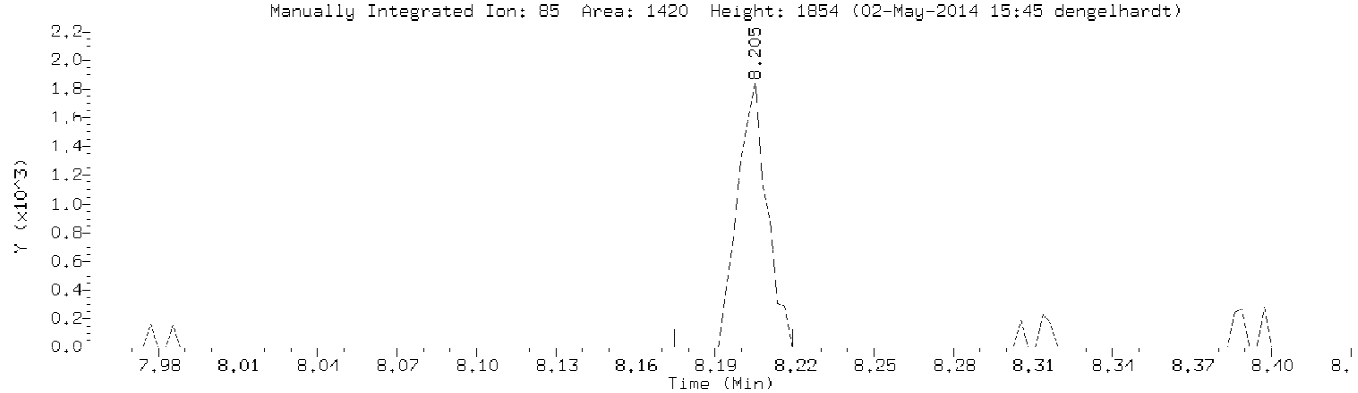
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b03cal2.d
Injection Date: 02-MAY-2014 11:59
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL2,65549:0

Compound: 1,1,2,2-Tetrachloroethane
CAS Number: 79-34-5

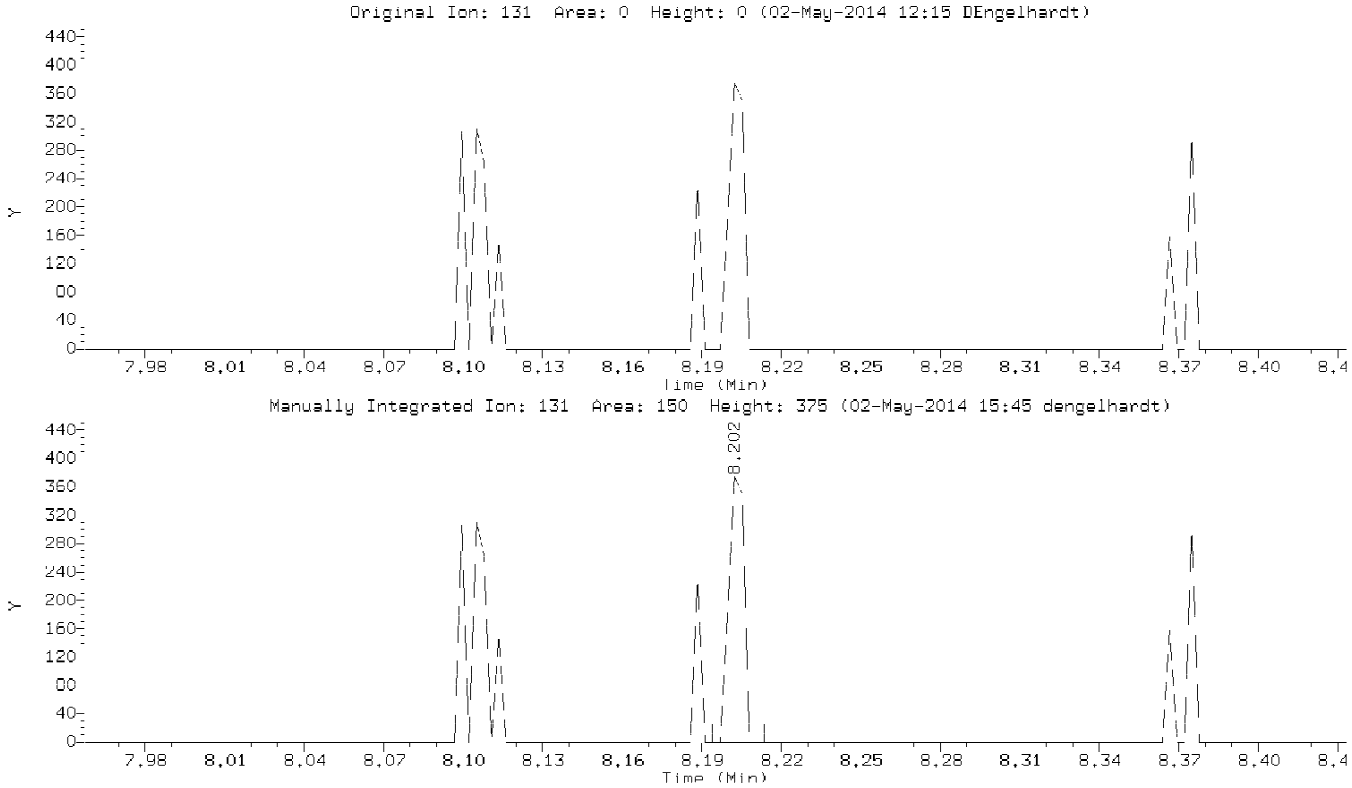








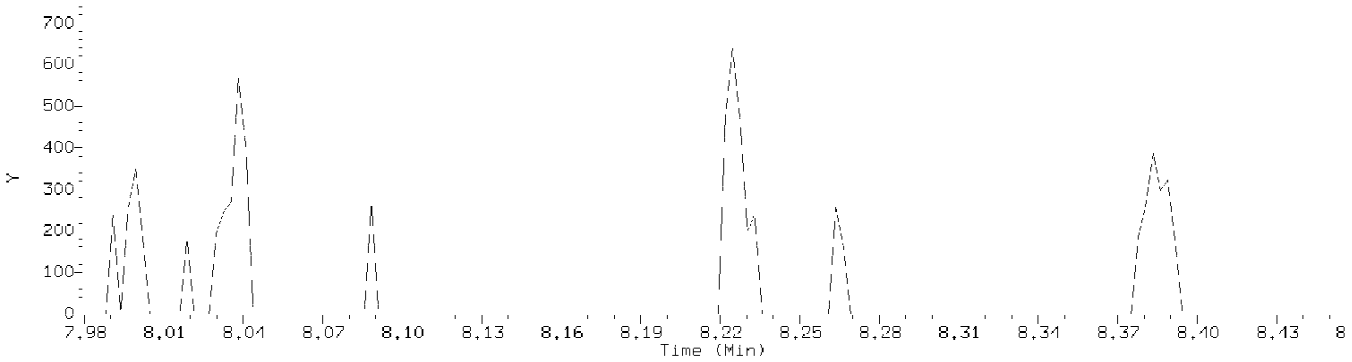
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b03cal2.d
Injection Date: 02-MAY-2014 11:59
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL2,65549:0



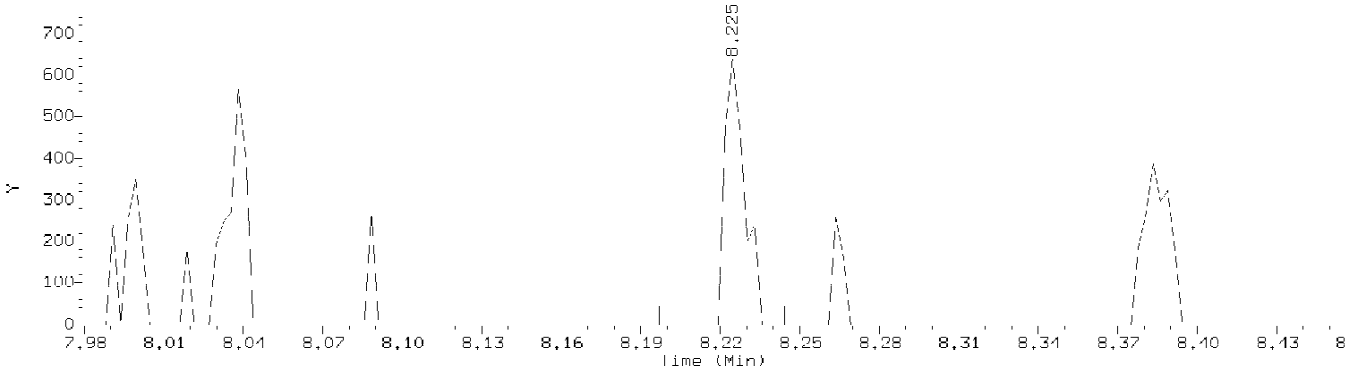
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b03cal2.d
Injection Date: 02-MAY-2014 11:59
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL2,65549:0

Compound: trans-1,4-Dichloro-2-butene
CAS Number:

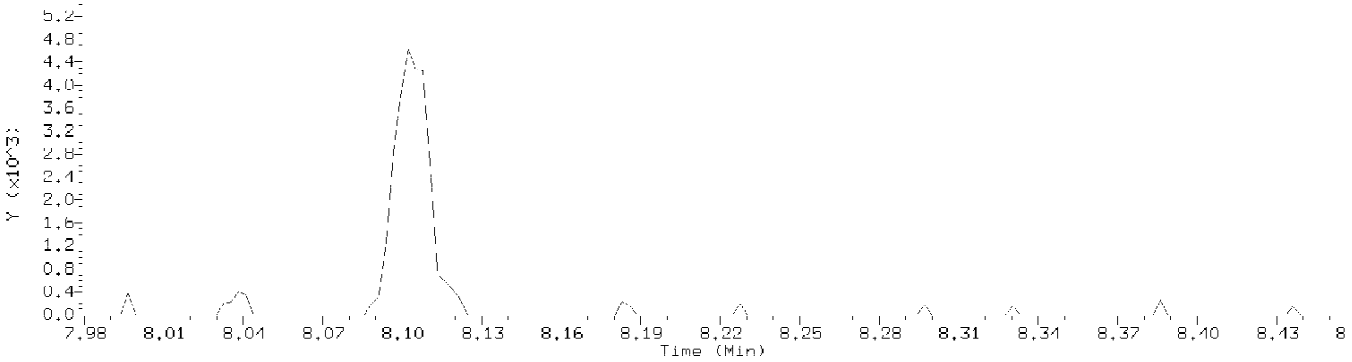
Original Ion: 53 Area: 0 Height: 0 (02-May-2014 12:15 DEngelhardt)



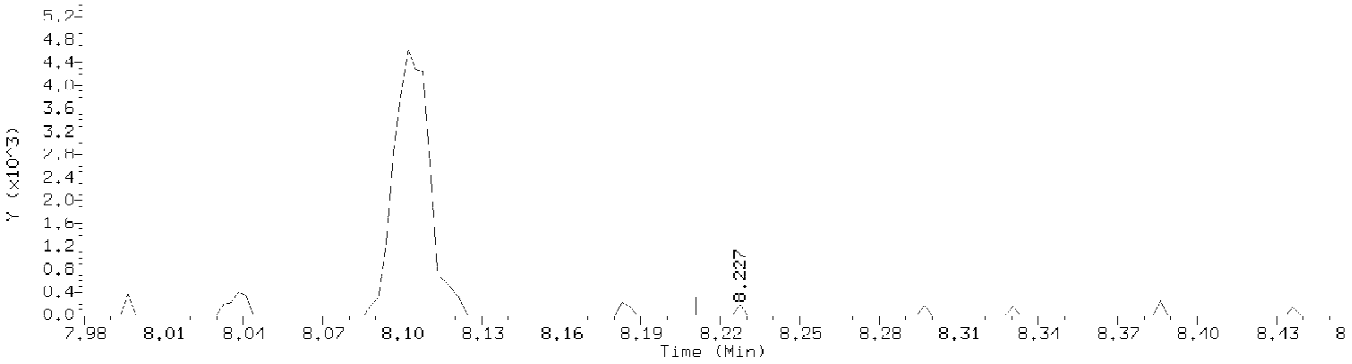
Manually Integrated Ion: 53 Area: 335 Height: 639 (02-May-2014 15:45 dengelhardt)



Original Ion: 88 Area: 0 Height: 0 (02-May-2014 12:15 DEngelhardt)

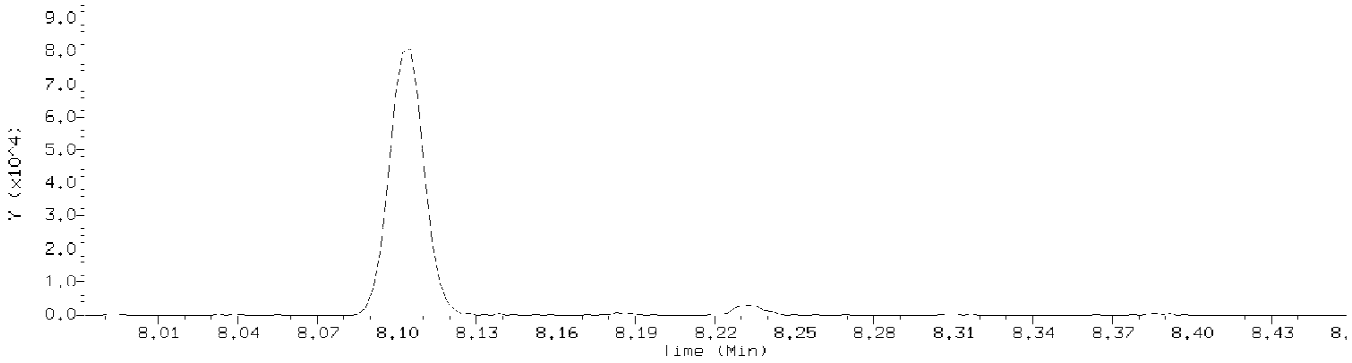


Manually Integrated Ion: 88 Area: 32 Height: 196 (02-May-2014 15:45 dengelhardt)

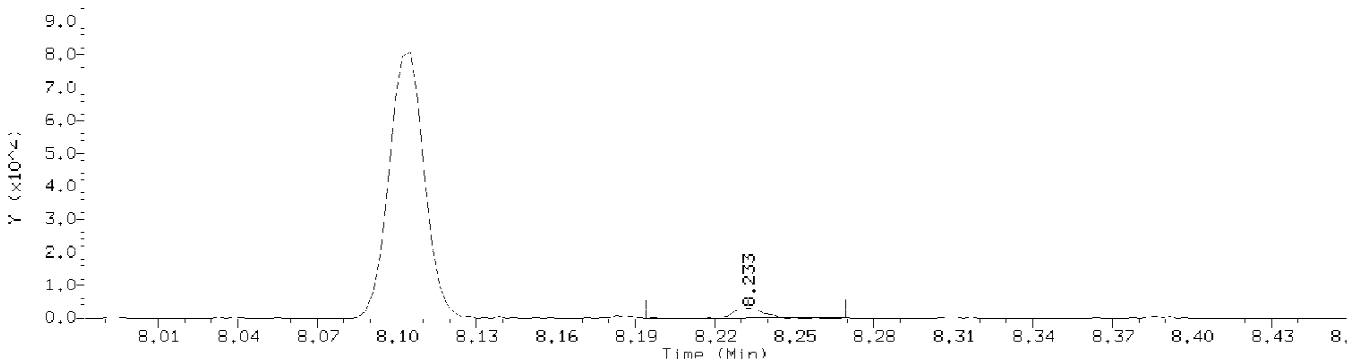


Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b03cal2.d
Injection Date: 02-MAY-2014 11:59
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL2,65549:0

Original Ion: 75 Area: 0 Height: 0 (02-May-2014 12:15 DEngelhardt)



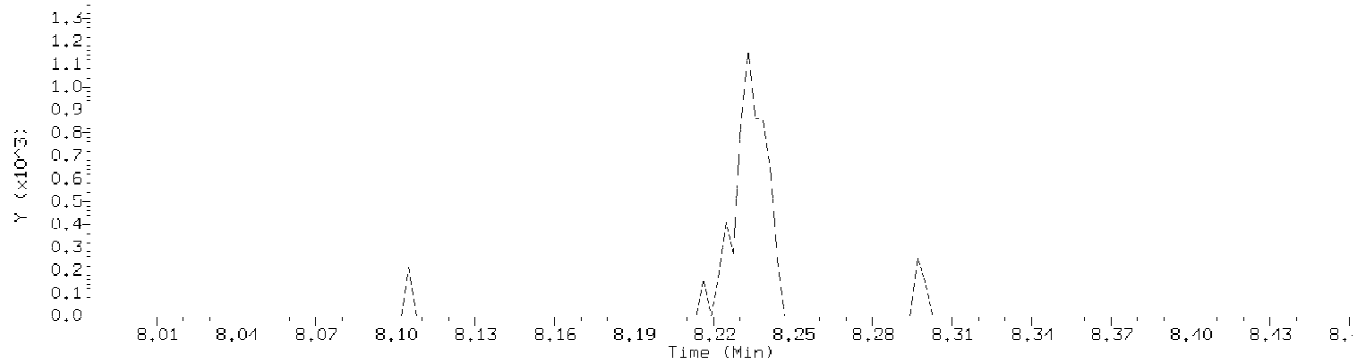
Manually Integrated Ion: 75 Area: 2066 Height: 2789 (02-May-2014 15:45 dengelhardt)



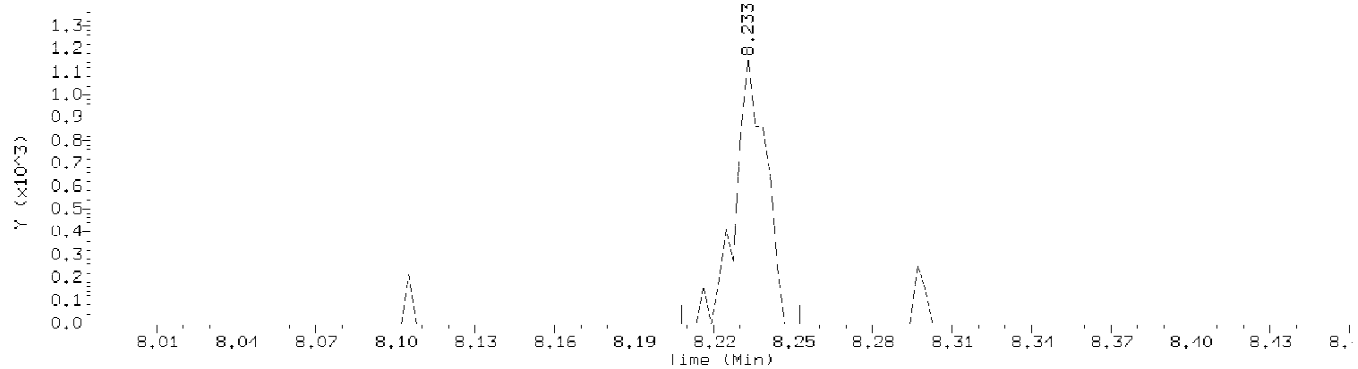
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b03cal2.d
Injection Date: 02-MAY-2014 11:59
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL2,65549:0

Compound: 1,2,3-Trichloropropane
CAS Number: 96-18-4

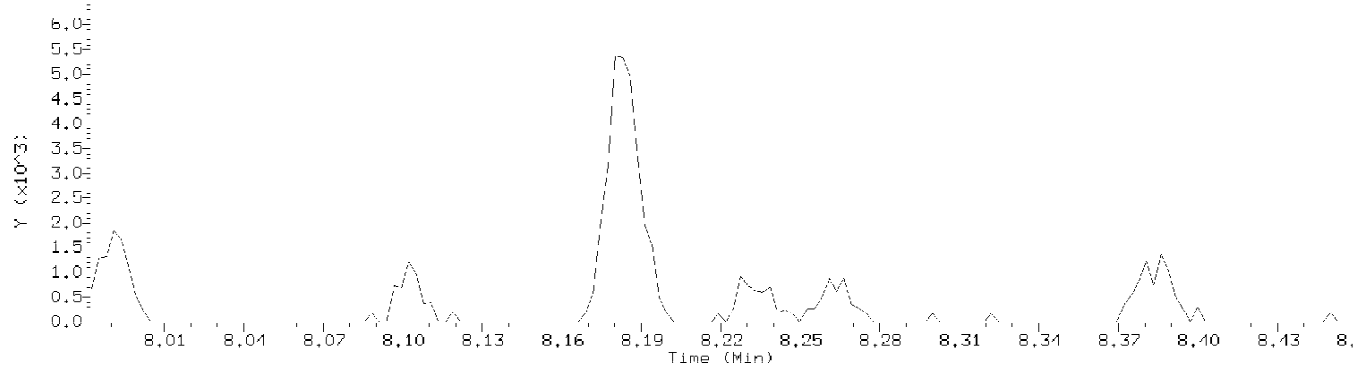
Original Ion: 110 Area: 0 Height: 0 (02-May-2014 12:15 DEngelhardt)



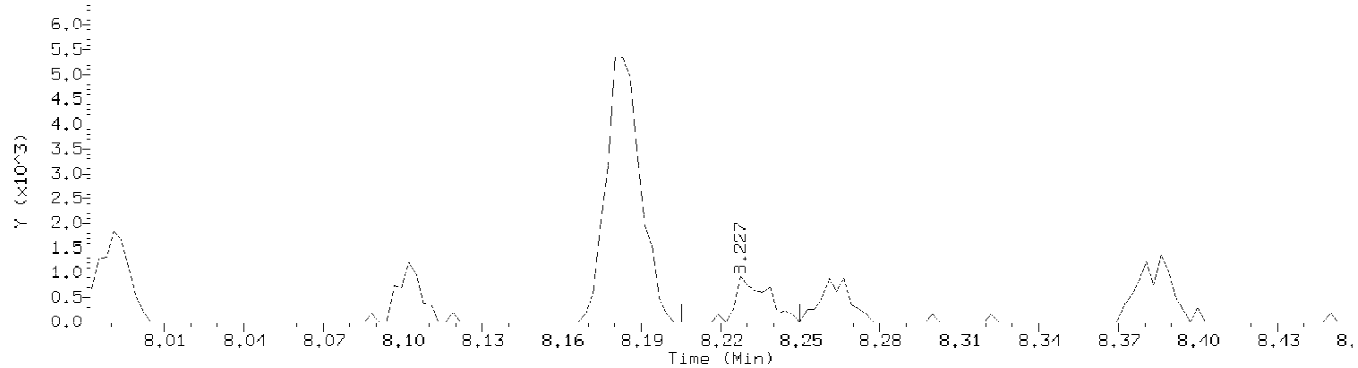
Manually Integrated Ion: 110 Area: 936 Height: 1161 (02-May-2014 15:45 dengelhardt)



Original Ion: 77 Area: 0 Height: 0 (02-May-2014 12:15 DEngelhardt)

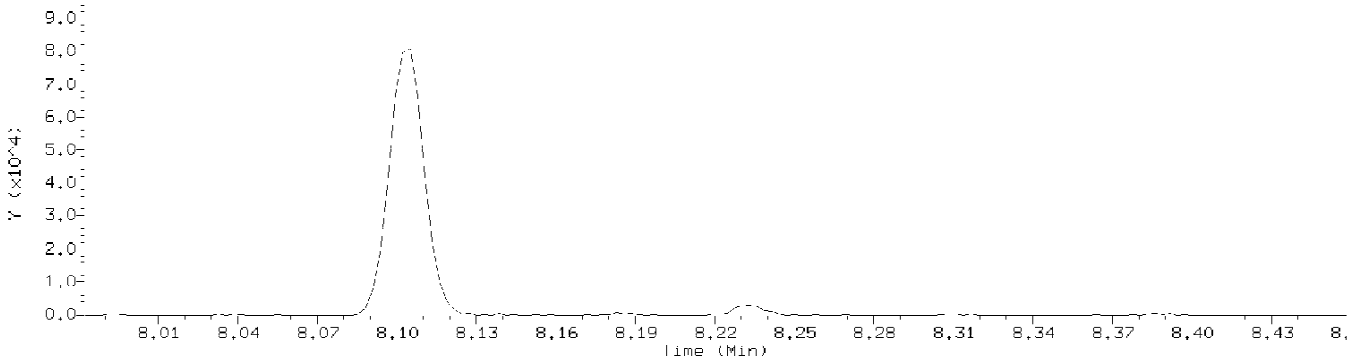


Manually Integrated Ion: 77 Area: 776 Height: 931 (02-May-2014 15:45 dengelhardt)

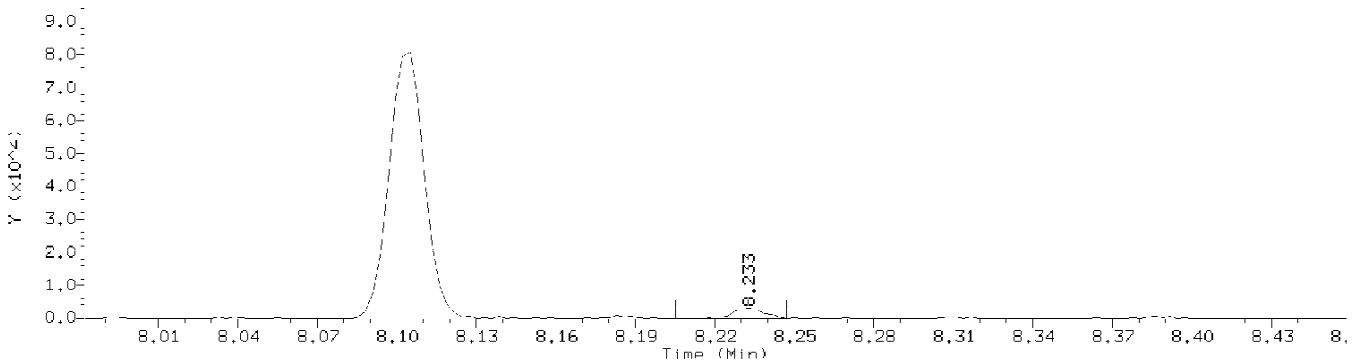


Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b03cal2.d
Injection Date: 02-MAY-2014 11:59
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL2,65549:0

Original Ion: 75 Area: 0 Height: 0 (02-May-2014 12:15 DEngelhardt)



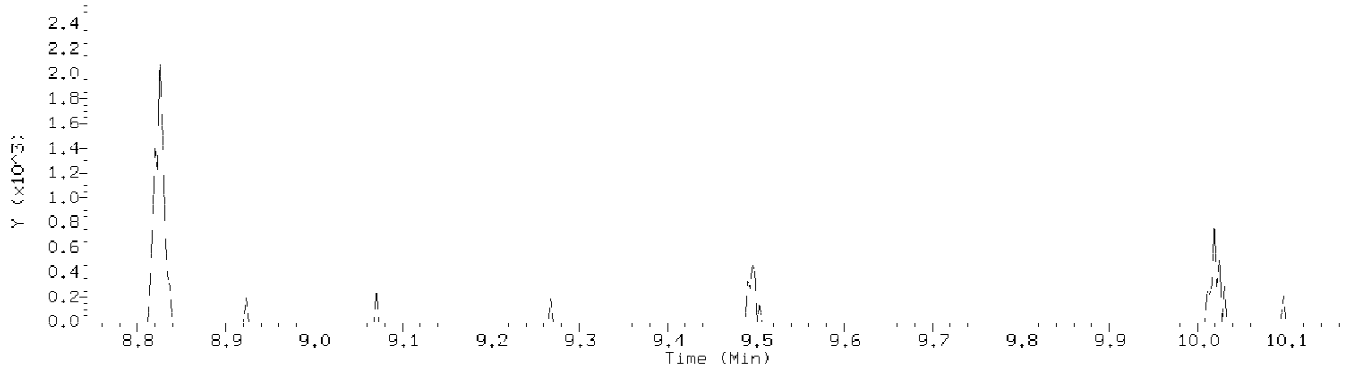
Manually Integrated Ion: 75 Area: 2350 Height: 2884 (02-May-2014 15:45 dengelhardt)



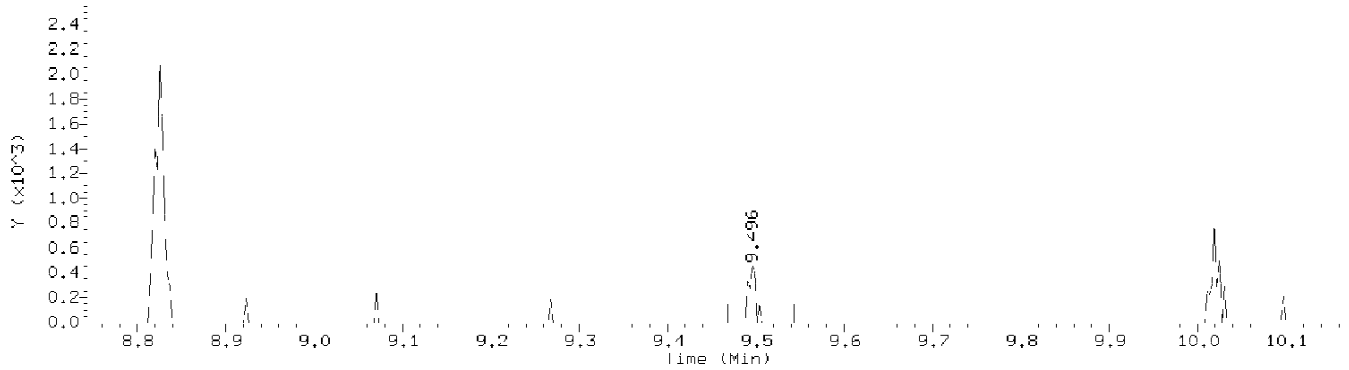
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b03cal2.d
Injection Date: 02-MAY-2014 11:59
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL2,65549:0

Compound: 1,2-Dibromo-3-chloropropane
CAS Number: 96-12-8

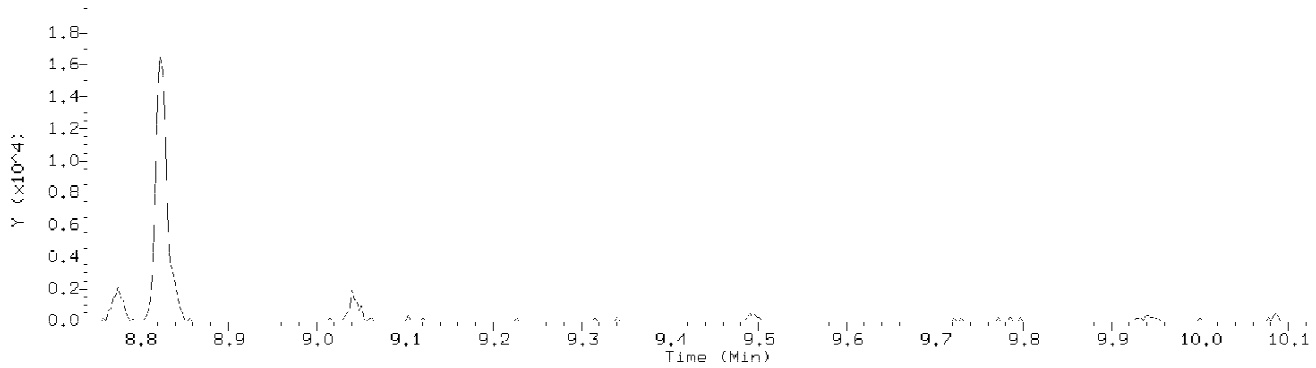
Original Ion: 155 Area: 0 Height: 0 (02-May-2014 12:15 DEngelhardt)



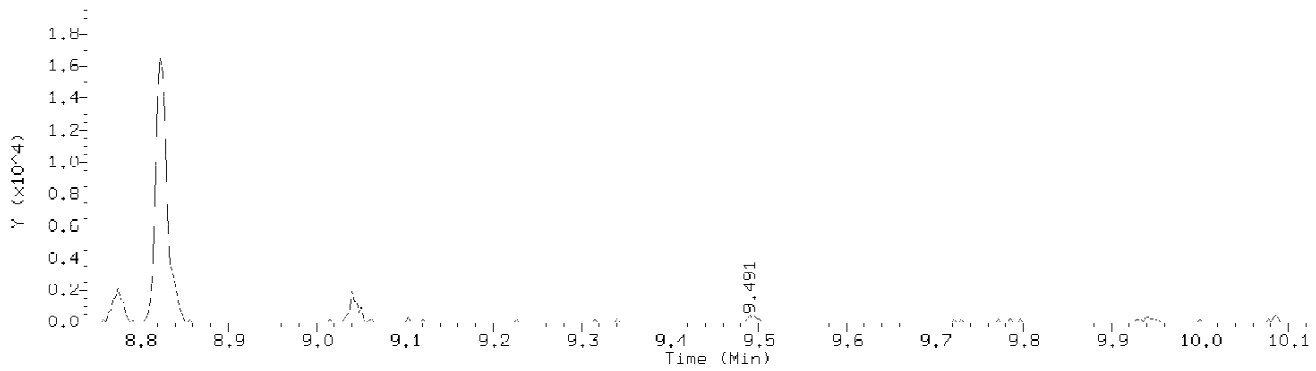
Manually Integrated Ion: 155 Area: 272 Height: 467 (02-May-2014 15:45 dengelhardt)



Original Ion: 75 Area: 0 Height: 0 (02-May-2014 12:15 DEngelhardt)

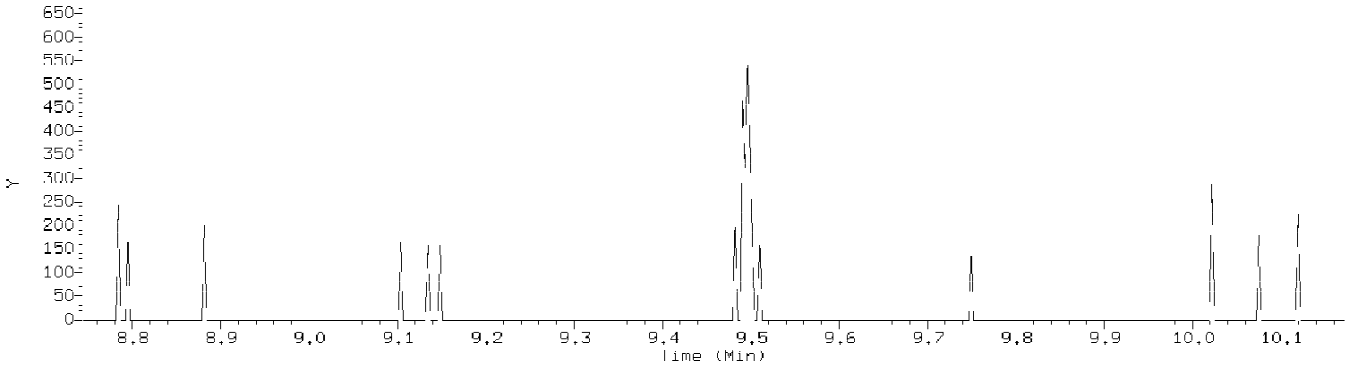


Manually Integrated Ion: 75 Area: 308 Height: 450 (02-May-2014 15:45 dengelhardt)

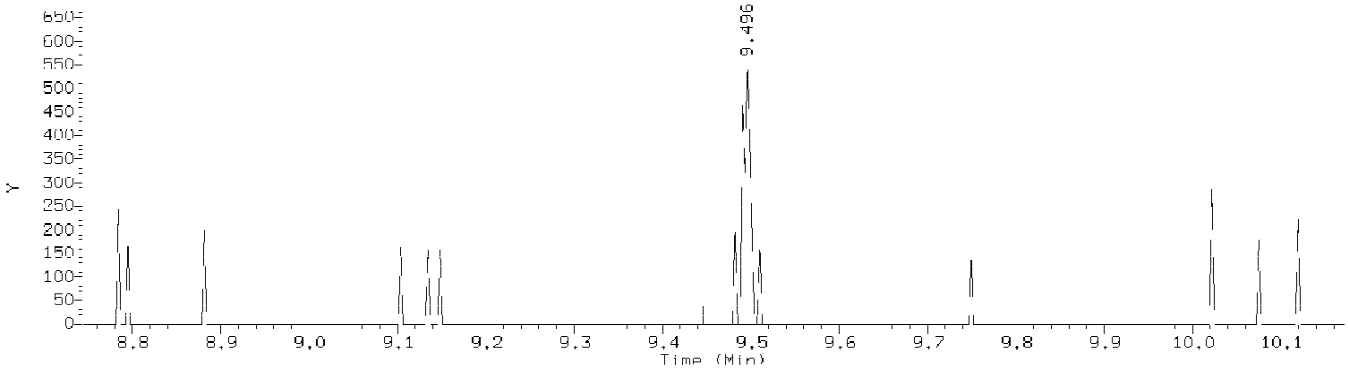


Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b03cal2.d
Injection Date: 02-MAY-2014 11:59
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL2,65549:0

Original Ion: 157 Area: 0 Height: 0 (02-May-2014 12:15 DEngelhardt)



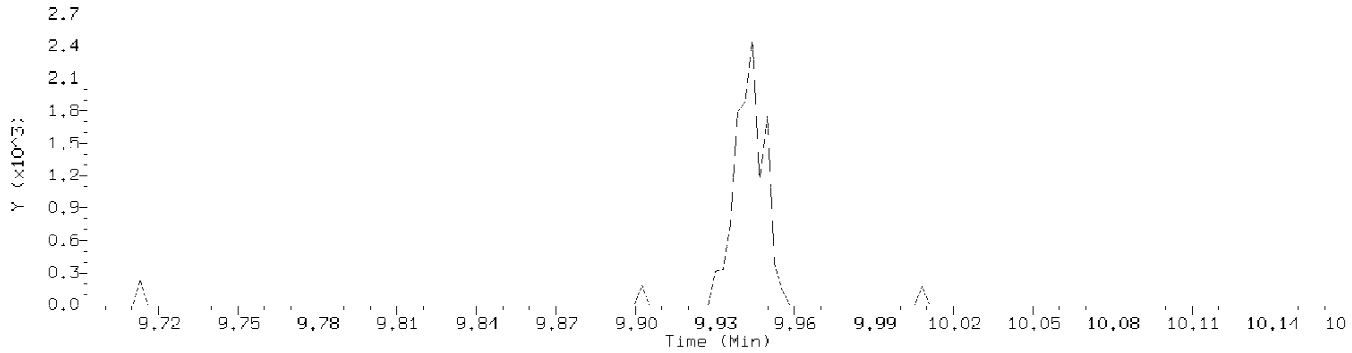
Manually Integrated Ion: 157 Area: 386 Height: 564 (02-May-2014 15:45 dengelhardt)



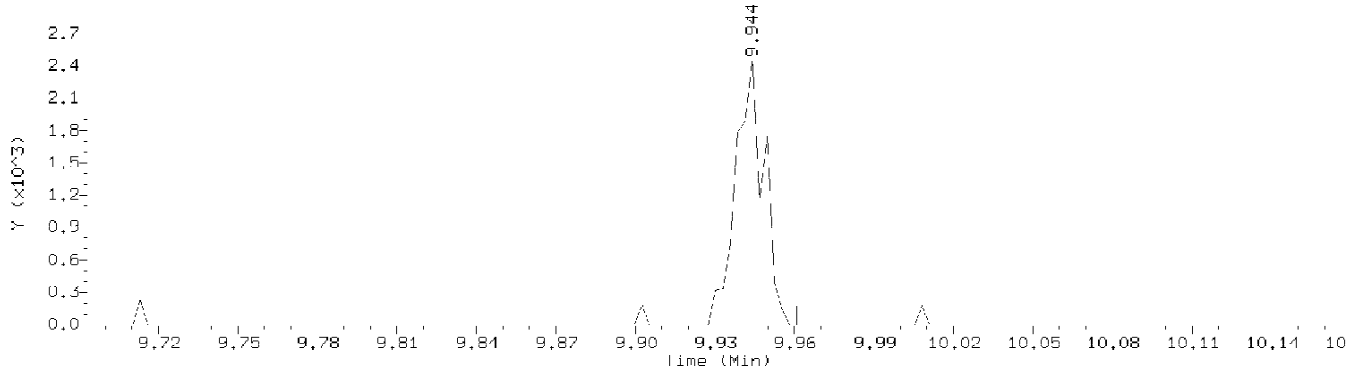
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b03cal2.d
Injection Date: 02-MAY-2014 11:59
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL2,65549:0

Compound: 1,2,4-Trichlorobenzene
CAS Number: 120-82-1

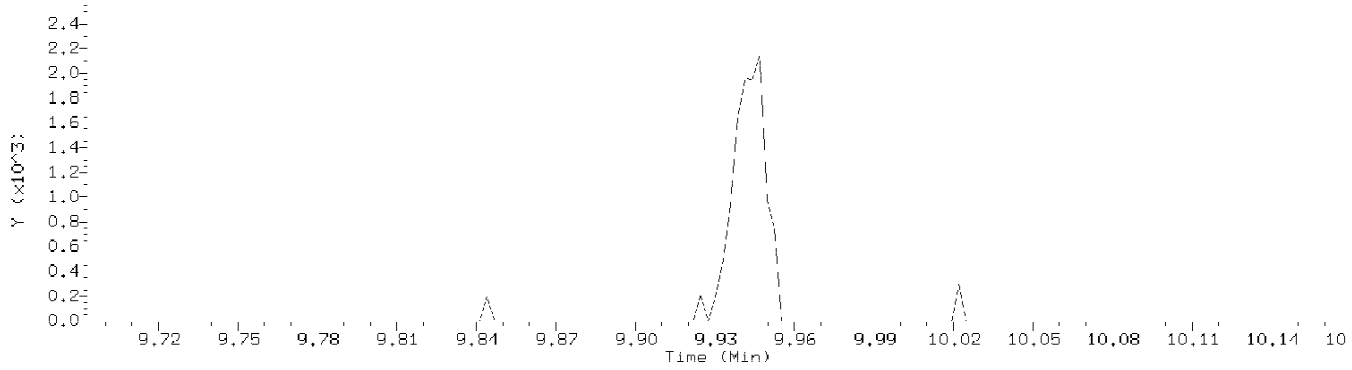
Original Ion: 180 Area: 0 Height: 0 (02-May-2014 12:15 DEngelhardt)



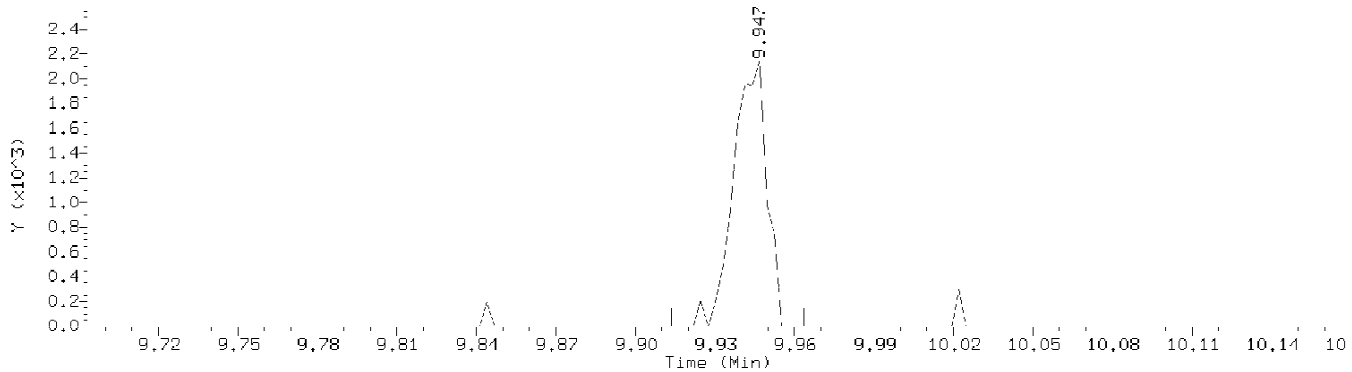
Manually Integrated Ion: 180 Area: 1830 Height: 2467 (02-May-2014 15:45 dengelhardt)



Original Ion: 182 Area: 0 Height: 0 (02-May-2014 12:15 DEngelhardt)

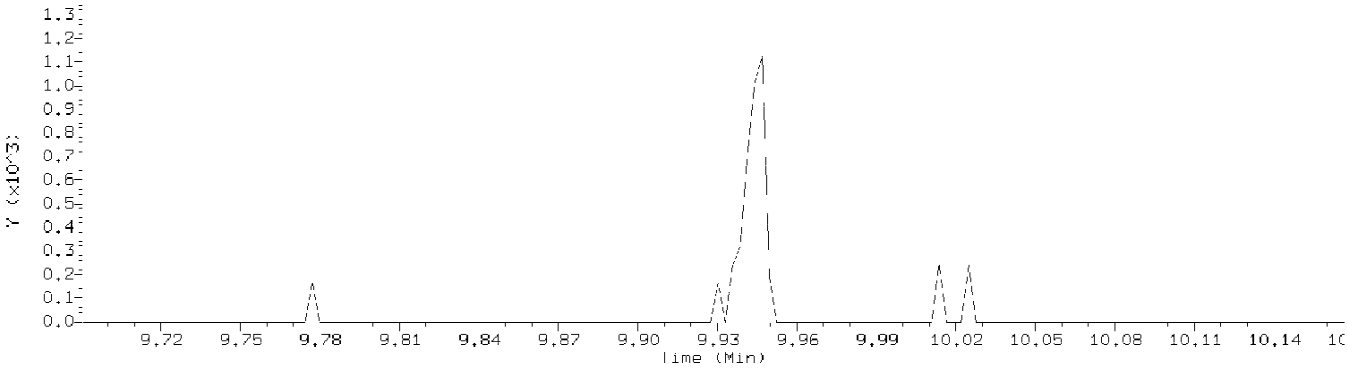


Manually Integrated Ion: 182 Area: 1873 Height: 2148 (02-May-2014 15:45 dengelhardt)

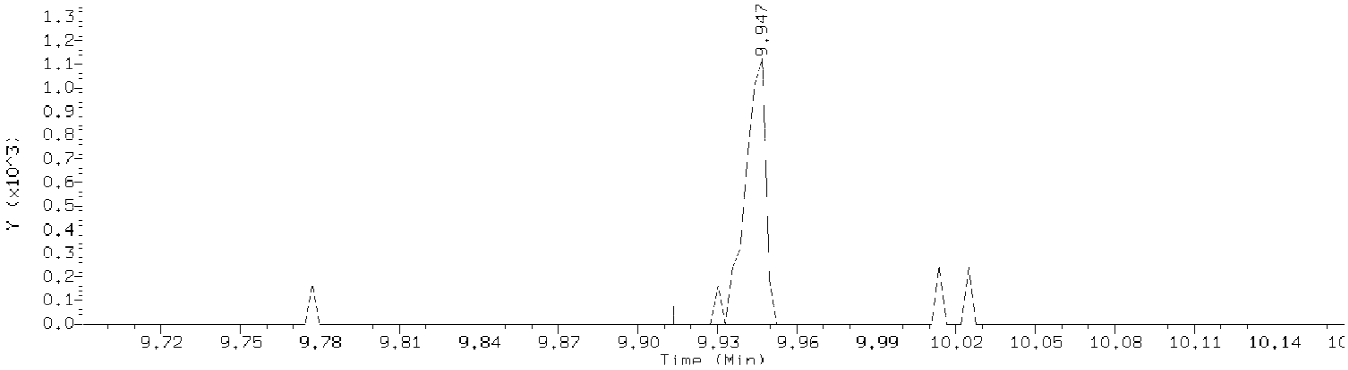


Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b03cal2.d
Injection Date: 02-MAY-2014 11:59
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL2,65549:0

Original Ion: 145 Area: 0 Height: 0 (02-May-2014 12:15 DEngelhardt)

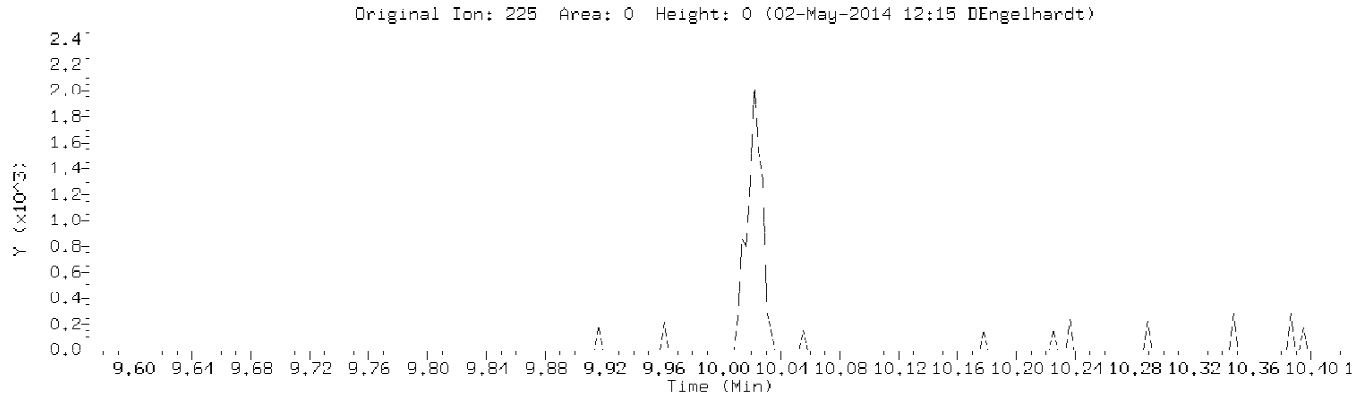


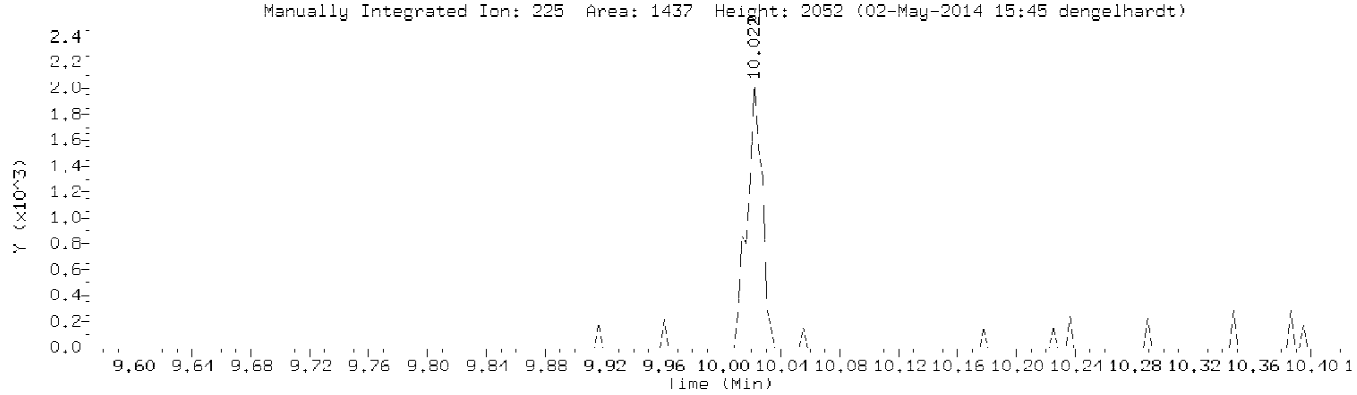
Manually Integrated Ion: 145 Area: 625 Height: 1126 (02-May-2014 15:45 dengelhardt)

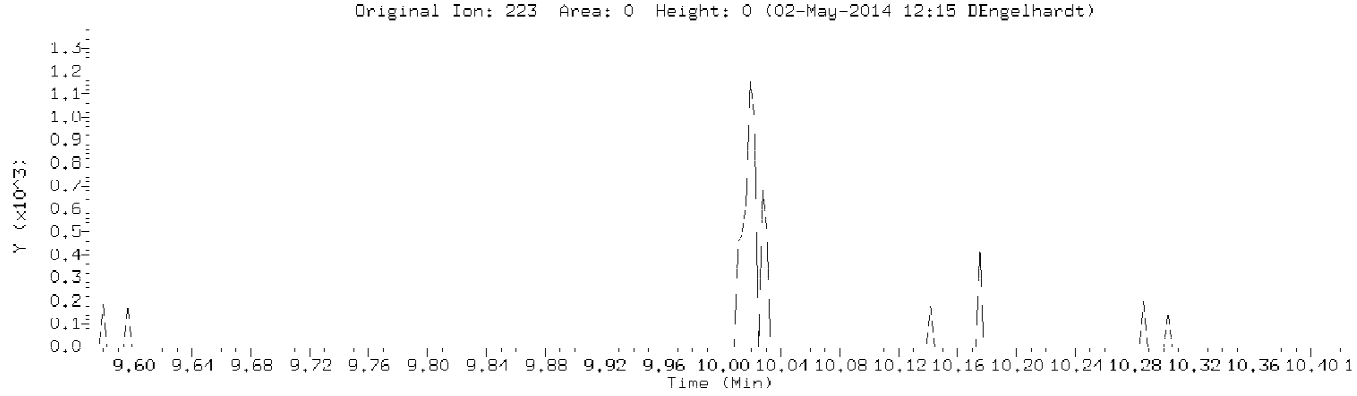


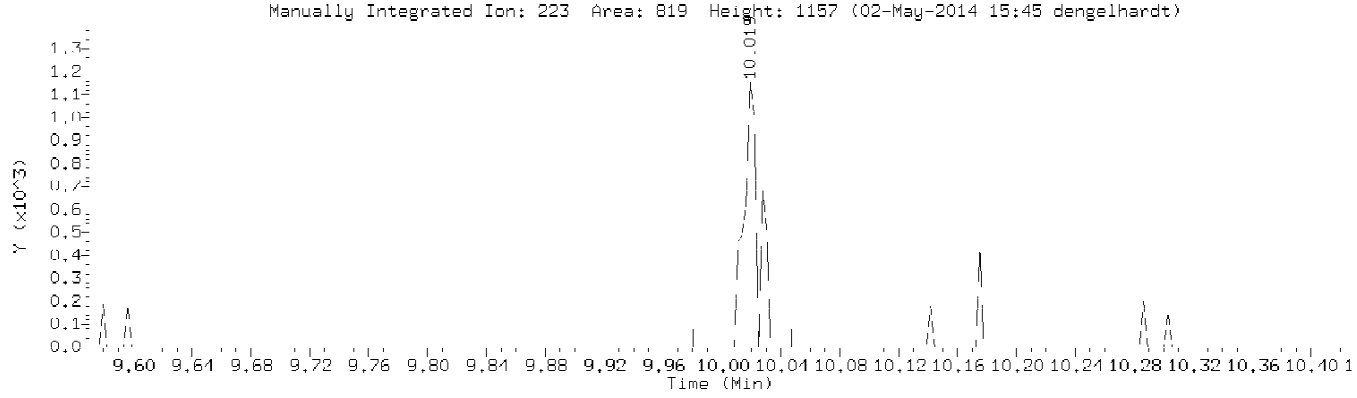
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b03cal2.d
Injection Date: 02-MAY-2014 11:59
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL2,65549:0

Compound: Hexachlorobutadiene
CAS Number: 87-68-3

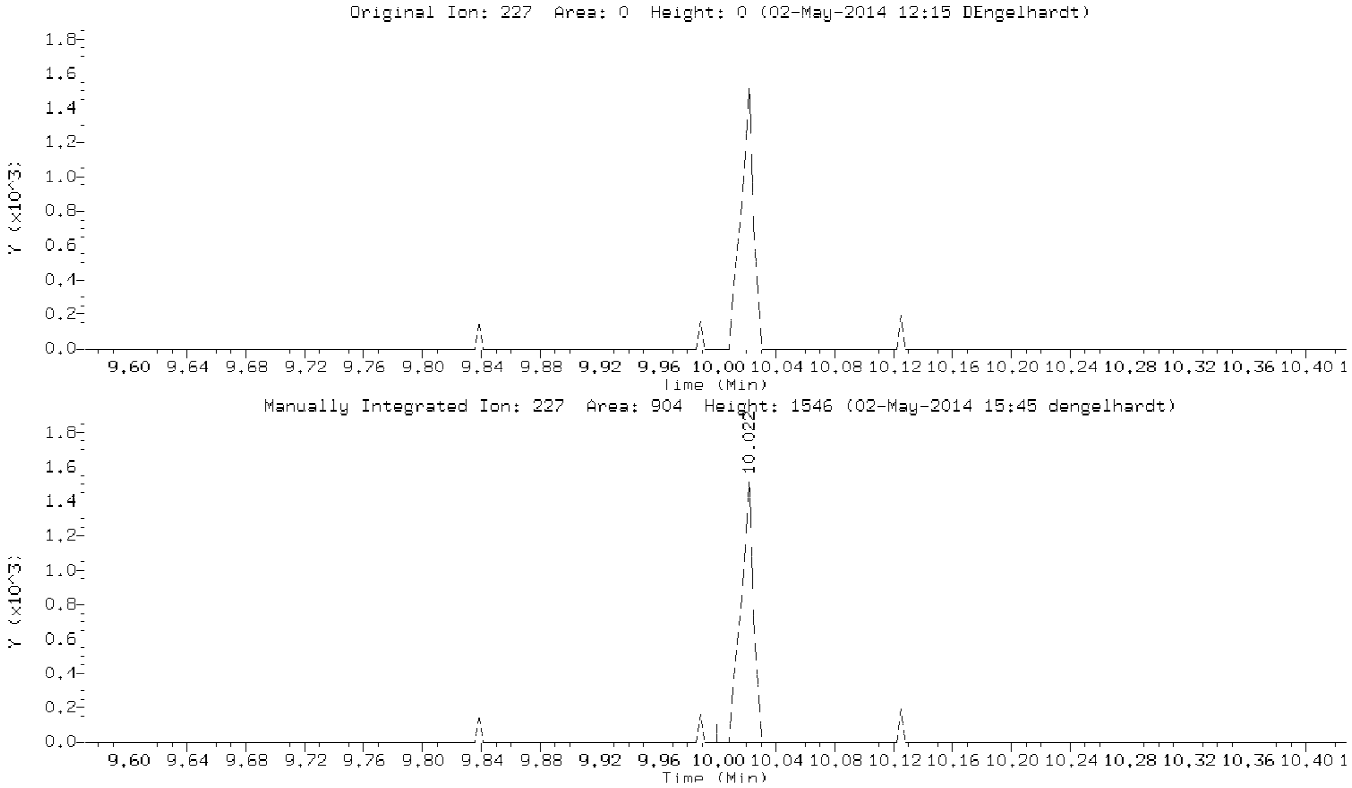








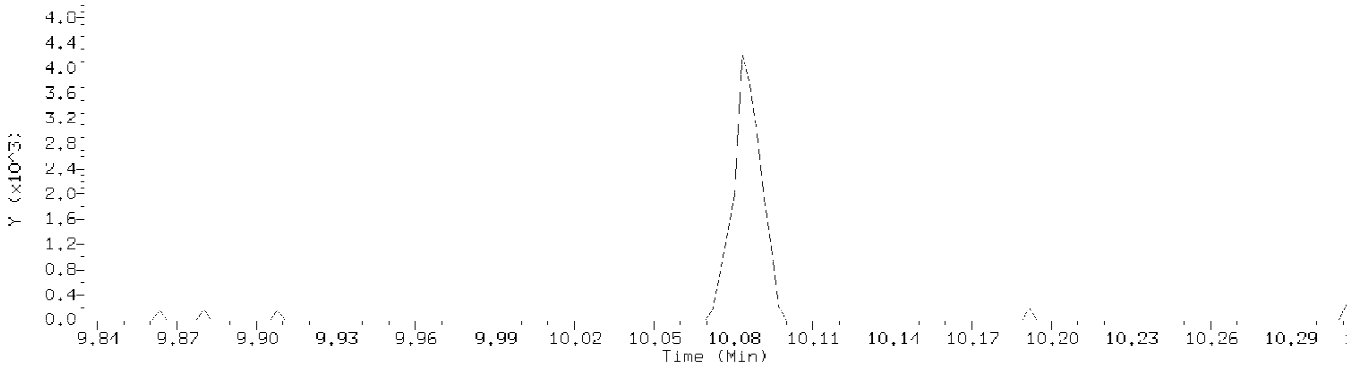
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b03cal2.d
Injection Date: 02-MAY-2014 11:59
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL2,65549:0



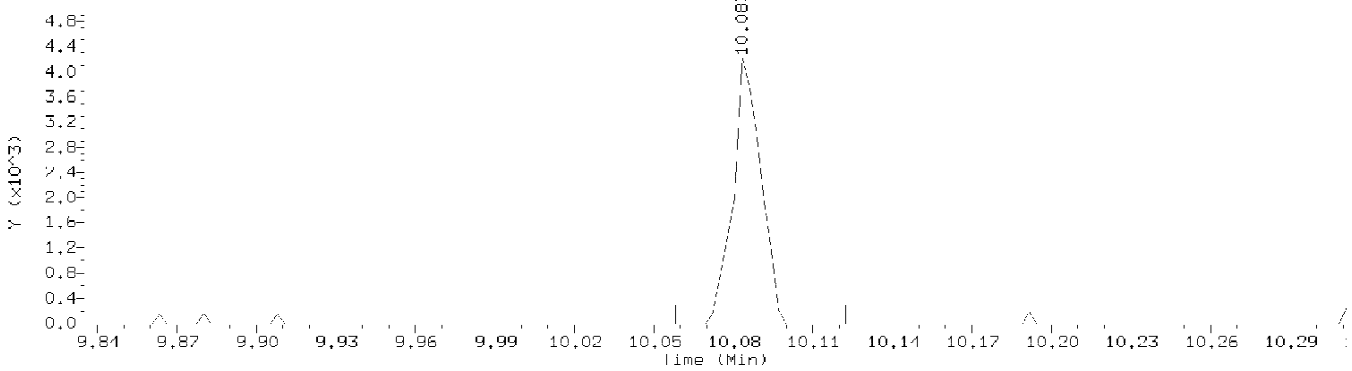
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b03cal2.d
Injection Date: 02-MAY-2014 11:59
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL2,65549:0

Compound: Naphthalene
CAS Number: 91-20-3

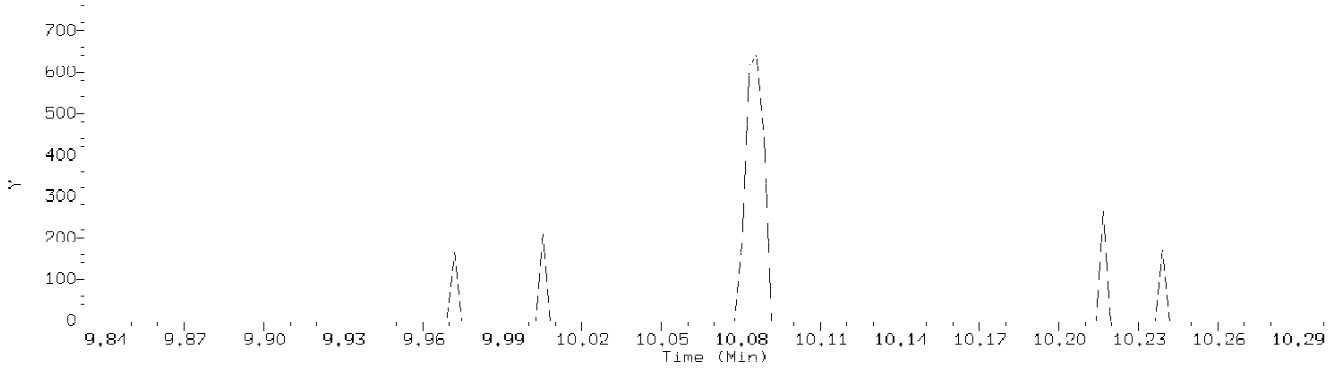
Original Ion: 128 Area: 0 Height: 0 (02-May-2014 12:15 DEngelhardt)



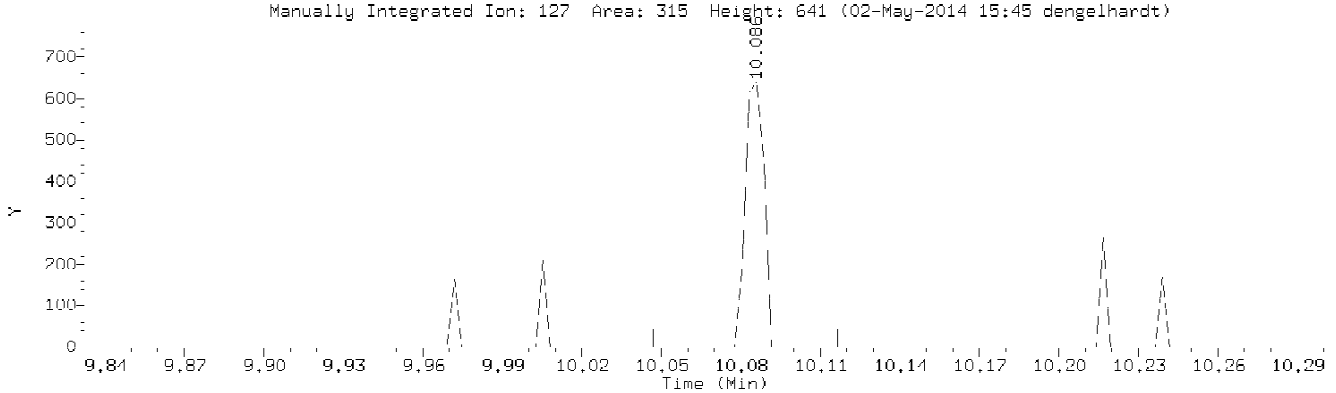
Manually Integrated Ion: 128 Area: 3098 Height: 4225 (02-May-2014 15:45 dengelhardt)



Original Ion: 127 Area: 0 Height: 0 (02-May-2014 12:15 DEngelhardt)



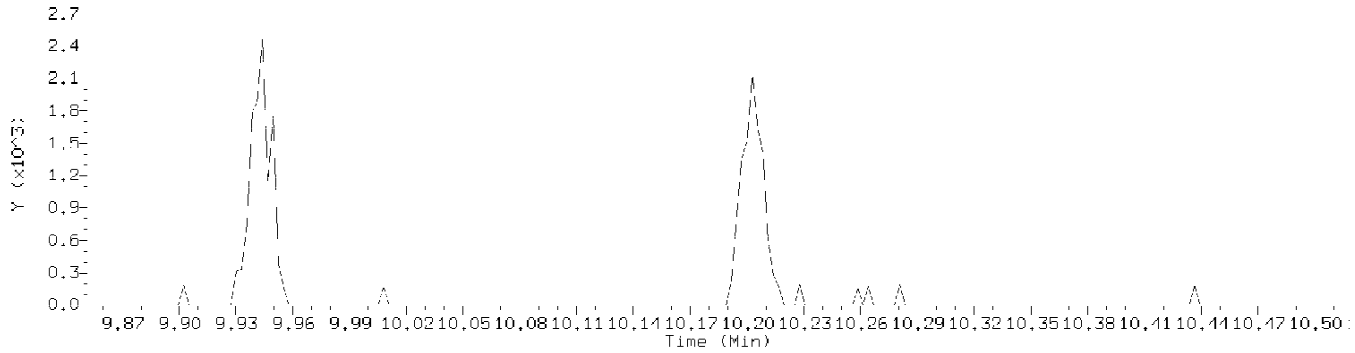
Manually Integrated Ion: 127 Area: 315 Height: 641 (02-May-2014 15:45 dengelhardt)



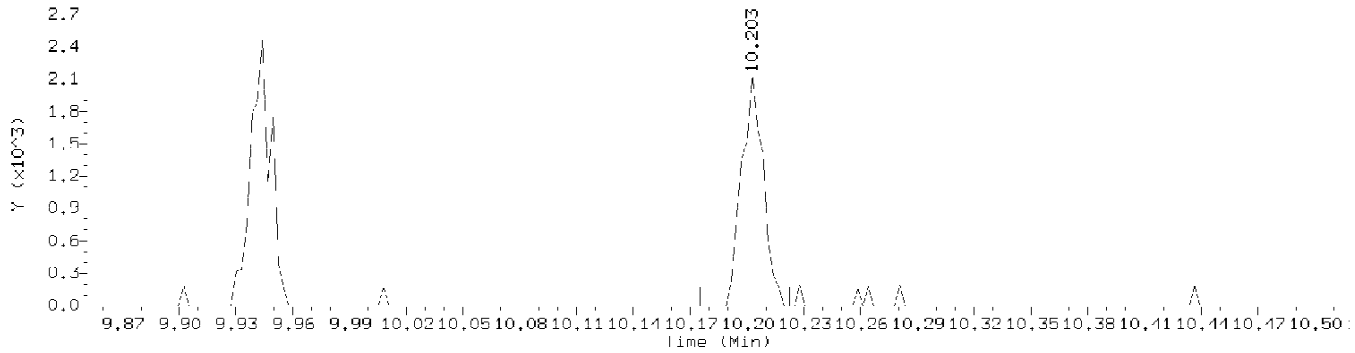
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b03cal2.d
Injection Date: 02-MAY-2014 11:59
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL2,65549:0

Compound: 1,2,3-Trichlorobenzene
CAS Number: 87-61-6

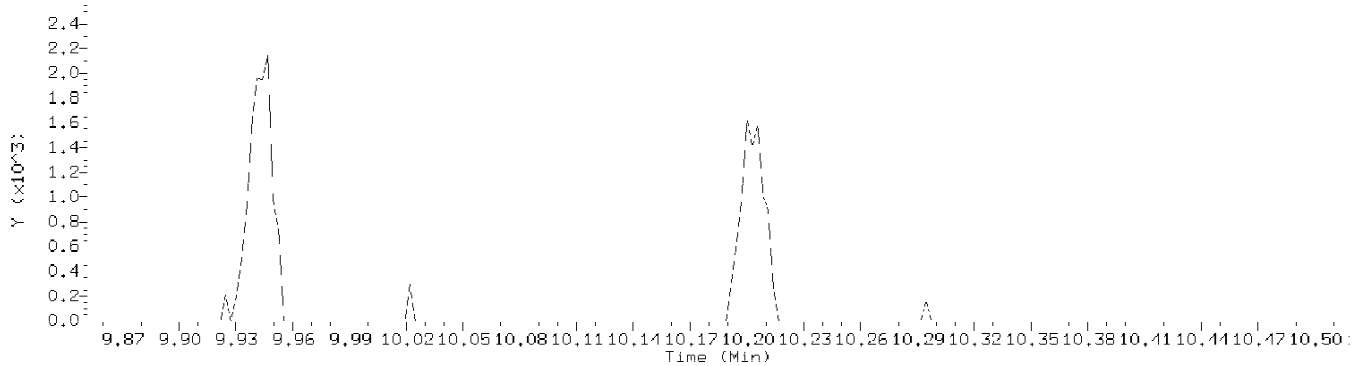
Original Ion: 180 Area: 0 Height: 0 (02-May-2014 12:15 DEngelhardt)



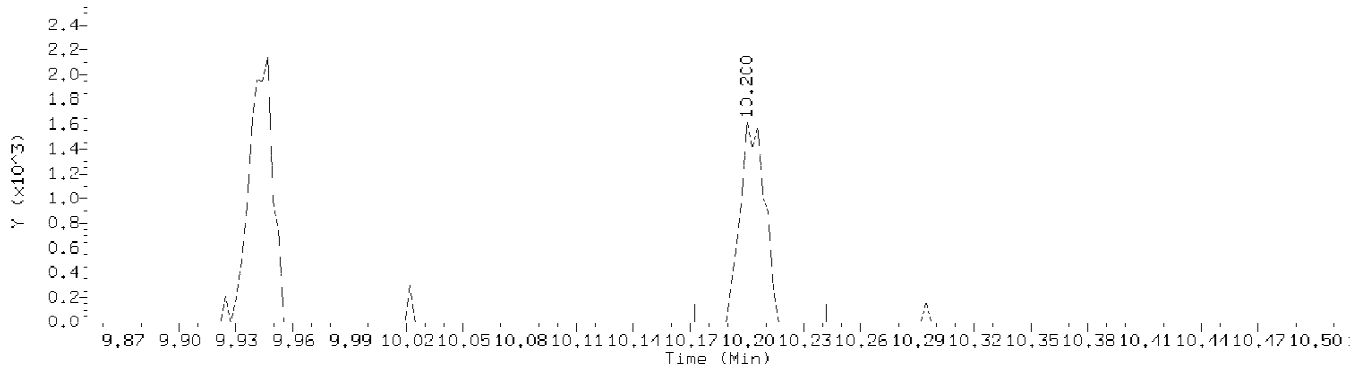
Manually Integrated Ion: 180 Area: 1706 Height: 2145 (02-May-2014 15:45 dengelhardt)



Original Ion: 182 Area: 0 Height: 0 (02-May-2014 12:15 DEngelhardt)

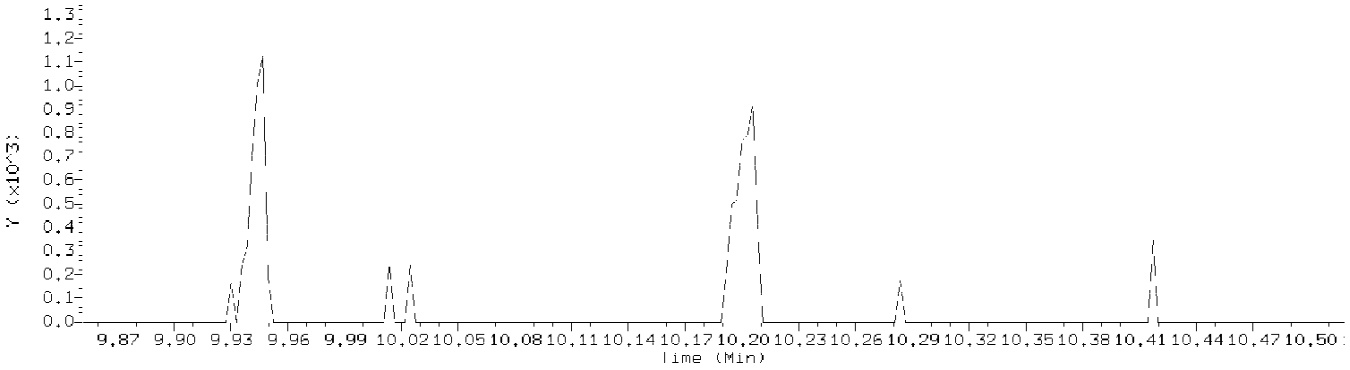


Manually Integrated Ion: 182 Area: 1464 Height: 1634 (02-May-2014 15:45 dengelhardt)

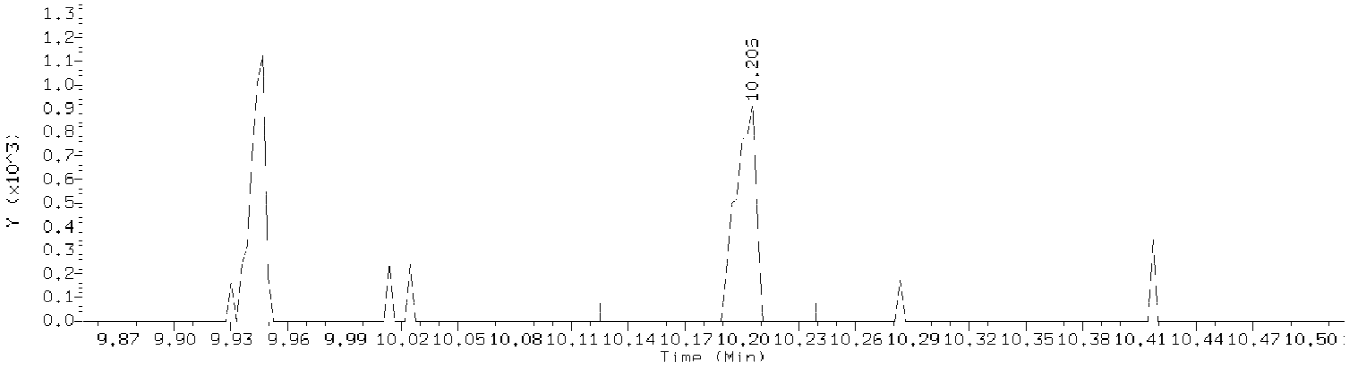


Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b03cal2.d
Injection Date: 02-MAY-2014 11:59
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL2,65549:0

Original Ion: 145 Area: 0 Height: 0 (02-May-2014 12:15 DEngelhardt)



Manually Integrated Ion: 145 Area: 679 Height: 921 (02-May-2014 15:45 dengelhardt)



Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b04cal3.d Page 1
Report Date: 05-May-2014 13:36

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b04cal3.d
Lab Smp Id: 8260-CAL3,65550:0 Client Smp ID: 8260-CAL3,65550:0
Inj Date : 02-MAY-2014 12:32
Operator : dac Inst ID: 50mv2b.i
Smp Info : 8260-cal3,65550:0
Misc Info : 64180
Comment :
Method : \\192.168.50.6\chem\50mv2b.i\b050214cal.b\-b8260_a_b.m
Meth Date : 05 May 2014 11:52 dengelhard Quant Type: ISTD
Cal Date : 15 APR 2014 22:38 Cal File: b09cal8.d
Als bottle: 55 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIC MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	REVIEW C
1	Dichlorodifluoromethane	85	0.974	0.971	(0.233)	5459	2.00000	1.89(M)	GT
2	Chloromethane	50	1.079	1.077	(0.258)	4624	2.00000	1.71(M)	GT
3	Vinyl Chloride	62	1.099	1.099	(0.263)	5223	2.00000	2.11	
4	Bromomethane	94	1.241	1.238	(0.297)	1629	2.00000	2.41(M)	GT
5	Chloroethane	64	1.285	1.285	(0.307)	3758	2.00000	1.45(M)	WP
6	Trichlorofluoromethane	101	1.399	1.397	(0.335)	6787	2.00000	2.01	
7	Diethyl ether	74	1.525	1.519	(0.364)	1790	2.00000	1.14(Q)	
8	Acrolein	56	1.591	1.591	(0.380)	11330	40.0000	36.8	
9	1,1-Dichloroethene	96	1.647	1.647	(0.394)	3179	2.00000	1.63	
10	1,1,2Trichlorotrifluoroethane	101	1.641	1.641	(0.392)	3600	2.00000	1.53	
11	Acetone	43	1.658	1.658	(0.396)	5212	10.0000	6.25	
12	Iodomethane	142	1.733	1.733	(0.414)	1828	4.00000	2.94(M)	NI
141	Acetonitrile	39	1.839	1.839	(0.440)	6745	2.00000	1.44	
13	Carbon Disulfide	76	1.778	1.778	(0.425)	15324	4.00000	2.81	
14	allyl chloride	41	1.842	1.839	(0.440)	8461	4.00000	3.23(M)	NI
15	Methylene Chloride	84	1.914	1.914	(0.458)	3611	2.00000	1.20(M)	NI
16	Acrylonitrile	53	2.048	2.048	(0.489)	23864	40.0000	28.9	
17	tert-Butyl Alcohol	59	1.950	1.956	(0.466)	827	4.00000	3.61(M)	NI
18	1,2-Dichloroethene (trans)	96	2.084	2.081	(0.498)	3484	2.00000	1.63	
19	Methyl-tert-butyl ether	73	2.070	2.073	(0.495)	17073	4.00000	2.94	
20	n-Hexane	57	2.262	2.262	(0.541)	5456	2.00000	1.74(M)	NI
138	Methyl Acetate	43	1.825	1.822	(0.436)	2805	2.00000	1.47(M)	NI
21	1,1-Dichloroethane	63	2.382	2.384	(0.569)	7207	2.00000	1.47(M)	NI

Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b04cal3.d Page 2
Report Date: 05-May-2014 13:36

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL AMT (ppb)	AMOUNTS ON COL (ppb)	REVIEW C
	23 Vinyl Acetate	43	2.373	2.373	(0.567)	30263	8.00000	7.70	
	143 Chloroprene	53	2.434	2.437	(0.582)	6699	2.00000	1.58(M)	NI
	24 2,2-Dichloropropane	77	2.866	2.857	(0.685)	4263	2.00000	1.51(M)	NI
	25 1,2-Dichloroethene (cis)	96	2.855	2.852	(0.682)	4435	2.00000	1.55	
	26 2-Butanone	43	2.838	2.838	(0.678)	8291	10.0000	7.45(M)	NI
	27 Propionitrile	54	2.885	2.893	(0.690)	400	2.00000	1.18(QM)	NI
	142 Methacrylonitrile	41	3.044	3.041	(0.727)	2205	8.00000	5.62(M)	GT
	28 1,2-dichlorotrifluoroethane	67	1.539	1.538	(0.368)	4182	2.00000	1.48	
	29 Bromochloromethane	49	3.080	3.080	(0.736)	3225	2.00000	1.52	
	30 Tetrahydrofuran	42	3.099	3.094	(0.741)	1889	2.00000	0.780(M)	NI
	31 Chloroform	83	3.194	3.188	(0.763)	7788	2.00000	1.48	
$	32 Dibromofluoromethane (S)	113	3.358	3.361	(0.803)	97830	50.0000	50.0	
	33 1,1,1-Trichloroethane	97	3.364	3.361	(0.804)	6053	2.00000	1.49	
	34 cyclohexane	56	3.436	3.436	(0.821)	6381	2.00000	1.45	
	35 Carbon Tetrachloride	117	3.533	3.536	(0.844)	4552	2.00000	1.57	
	36 1,1-Dichloropropene	75	3.539	3.547	(0.846)	5175	2.00000	1.52	
	37 Isobutyl alcohol	43	3.959	3.951	(0.946)	1676	2.00000	1.89(M)	NI
	38 Benzene	78	3.784	3.787	(0.904)	13385	2.00000	1.33	
	39 1,2-Dichloroethane	62	3.878	3.876	(0.927)	6036	2.00000	1.41(M)	NI
	144 2,2,4-Trimethylpentane	57	3.965	3.956	(0.947)	10908	2.00000	1.48	
*	40 Fluorobenzene	96	4.184	4.179	(1.000)	330819	50.0000		
	41 Trichloroethene	95	4.618	4.618	(1.104)	3686	2.00000	1.32	
	139 Methylcyclohexane	55	4.874	4.874	(1.165)	4273	2.00000	1.62(M)	WP
	42 1,2-Dichloropropane	63	4.916	4.919	(1.175)	3308	2.00000	1.58(M)	NI
	43 Dibromomethane	93	5.005	5.005	(1.196)	2518	2.00000	1.56	
	140 1,4-Dioxane	88	5.008	5.011	(1.197)	482	2.00000	1.18(QM)	NI
	44 Methyl methacrylate	69	5.027	5.027	(1.201)	1973	2.00000	1.37(M)	NI
	45 Bromodichloromethane	83	5.225	5.222	(1.249)	4258	2.00000	1.61(M)	NI
	46 2-Chloroethyl vinyl ether	63	5.559	5.556	(0.767)	2333	8.00000	5.84(M)	NI
	47 cis 1,3 Dichloropropene	75	5.690	5.687	(0.785)	3529	2.00000	1.26	
	48 4 Methyl 2 Pentanone	43	5.859	5.857	(0.808)	13397	10.0000	7.01	
$	49 Toluene d8	98	5.948	5.948	(0.820)	334489	50.0000	50.0	
	50 Toluene	91	6.015	6.015	(0.830)	16091	2.00000	1.48	
	51 trans-1,3-Dichloropropene	75	6.285	6.285	(0.867)	2621	2.00000	1.45(M)	NI
	52 Ethyl Methacrylate	69	6.363	6.368	(0.878)	4034	2.00000	1.58(M)	NI
	53 1,1,2-Trichloroethane	83	6.469	6.466	(0.892)	2302	2.00000	1.31	
	54 Tetrachloroethene	166	6.508	6.513	(0.898)	4581	2.00000	1.66	
	55 1,3-Dichloropropane	76	6.605	6.608	(0.911)	5306	2.00000	1.50	
	56 2-Hexanone	43	6.680	6.677	(0.921)	9396	10.0000	7.18	
	57 Dibromochloromethane	129	6.789	6.789	(0.936)	2218	2.00000	1.43	
	58 1,2-Dibromoethane	107	6.875	6.875	(0.948)	2759	2.00000	1.33	
*	59 Chlorobenzene-d5	117	7.250	7.250	(1.000)	270454	50.0000		
	60 Chlorobenzene	112	7.273	7.273	(1.003)	10595	2.00000	1.50	
	61 1,1,1,2-Tetrachloroethane	131	7.359	7.353	(1.015)	2668	2.00000	1.41	
	62 Ethylbenzene	106	7.362	7.362	(1.015)	6039	2.00000	1.52	
	63 m&p-Xylene	106	7.465	7.465	(1.030)	14114	4.00000	2.81	
	65 o-Xylene	106	7.735	7.732	(1.067)	6579	2.00000	1.48	
	66 Styrene	104	7.751	7.751	(1.069)	10502	2.00000	1.55	
	67 Bromoform	173	7.863	7.868	(0.891)	1396	2.00000	1.91(M)	NI
	68 Isopropylbenzene	105	7.991	7.991	(1.102)	16434	2.00000	1.50	
	69 trans-1,4-Dichloro-2-butene	53	8.230	8.230	(1.135)	697	2.00000	2.14(QM)	NI
$	70 4-Bromofluorobenzene	95	8.105	8.102	(1.118)	143196	50.0000	49.9	
	71 Bromobenzene	77	8.185	8.185	(1.129)	6474	2.00000	1.34	
	72 1,1,2,2-Tetrachloroethane	83	8.205	8.205	(0.930)	3824	2.00000	1.67(M)	NI

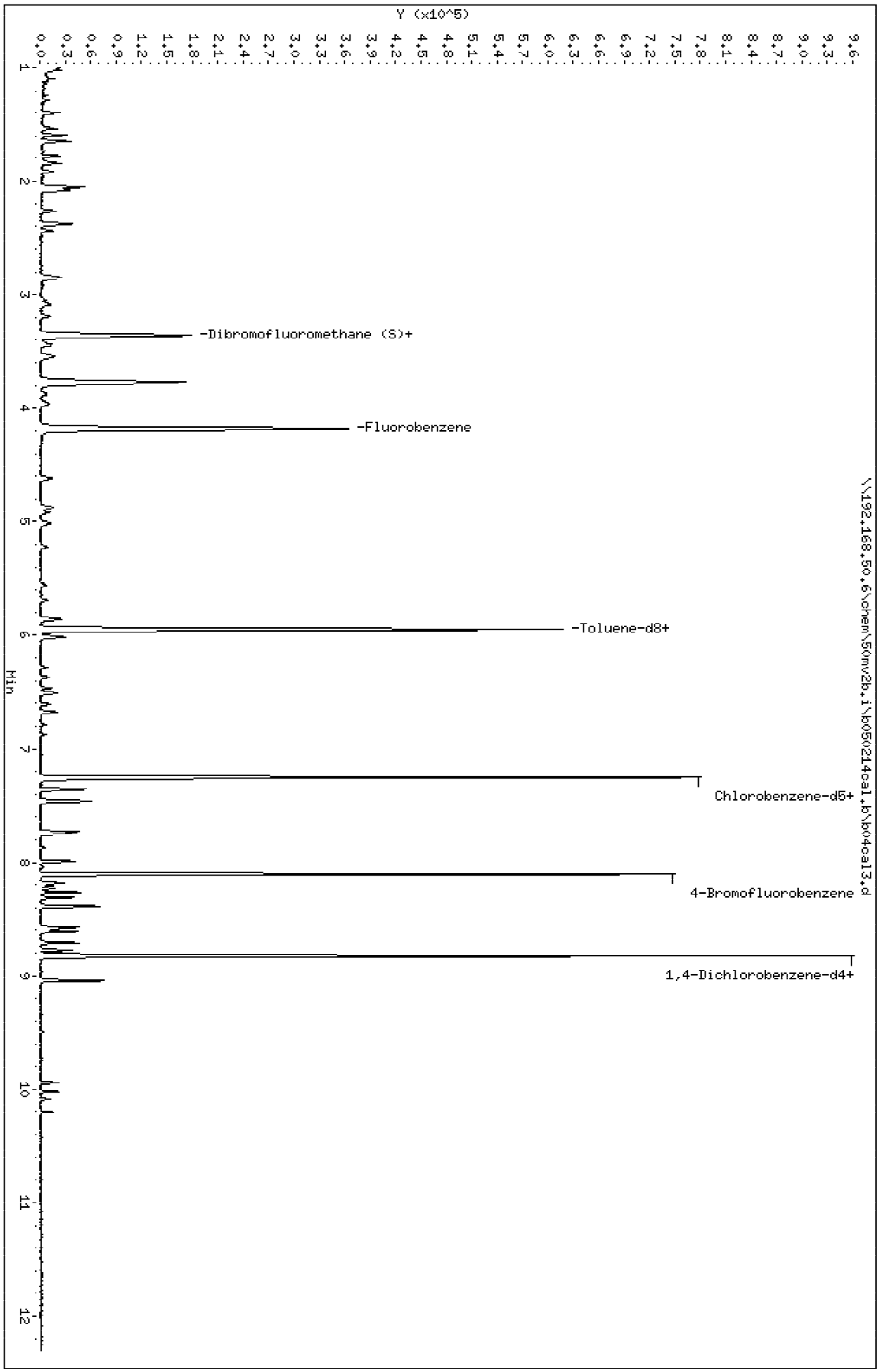
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL AMT (ppb)	AMOUNTS ON COL (ppb)	REVIEW C
73	1,2,3-Trichloropropane	110	8.235	8.235	(0.933)	1678	2.00000	1.60(Q)	
74	n-Propylbenzene	91	8.263	8.263	(0.936)	19841	2.00000	1.59	
75	2-Chlorotoluene	91	8.310	8.310	(0.942)	12652	2.00000	1.43	
76	4-Chlorotoluene	126	8.394	8.391	(0.951)	4834	2.00000	1.67	
77	1,3,5-Trimethylbenzene	105	8.383	8.383	(0.950)	14415	2.00000	1.55	
78	tert-Butylbenzene	119	8.575	8.575	(0.972)	15194	2.00000	1.64	
79	1,2,4-Trimethylbenzene	105	8.611	8.611	(0.976)	13915	2.00000	1.46	
80	sec-Butylbenzene	105	8.711	8.711	(0.987)	16086	2.00000	1.47	
81	1,3-Dichlorobenzene	146	8.775	8.775	(0.994)	7673	2.00000	1.44	
* 82	1,4-Dichlorobenzene-d4	152	8.825	8.825	(1.000)	140836	50.0000		
83	p-Isopropyltoluene	119	8.806	8.806	(0.998)	14820	2.00000	1.58	
84	1,4-Dichlorobenzene	146	8.839	8.839	(1.002)	7617	2.00000	1.33	
85	1,2-Dichlorobenzene	146	9.042	9.045	(1.025)	7284	2.00000	1.56	
86	n-Butylbenzene	91	9.042	9.042	(1.025)	11367	2.00000	1.49	
87	1,2-Dibromo-3-chloropropane	155	9.496	9.496	(1.076)	355	2.00000	1.33(QM)	NI
88	1,2,4-Trichlorobenzene	180	9.944	9.944	(1.127)	3171	2.00000	1.66(M)	NT
89	Hexachlorobutadiene	225	10.022	10.022	(1.136)	2595	2.00000	1.84	
90	Naphthalene	128	10.086	10.086	(1.143)	5164	2.00000	1.68(M)	NI
91	1,2,3-Trichlorobenzene	180	10.202	10.202	(1.156)	2901	2.00000	1.62(M)	NT
92	2,methyl-naphthalene	142	10.689	10.687	(1.211)	53	2.00000	1.04(QM)	NI
145	1-Methylnaphthalene	142	10.784	10.781	(1.222)	64	2.00000	(M)	NI

QC Flag Legend

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

Review Codes Legend

GT: Indicates that the peak in question was inappropriately integrated to an area greater than it should be (e.g., Peak tailing).
:
WP: Indicates that the wrong peak was chosen by the data system.
NI: Indicates that the peak was not integrated at all by the computer software.



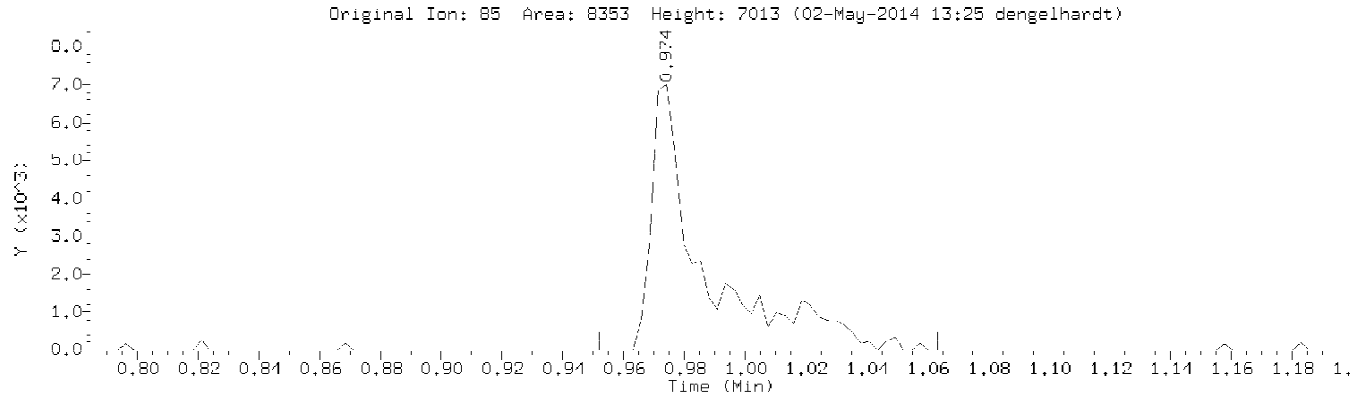
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b04cal3.d
Date : 02-MAY-2014 12:32
Client ID: 8260-CAL3,65550:0
Sample Info: 8260-CAL3,65550:0
Purge Volume: 5.0
Column phase: DB-624

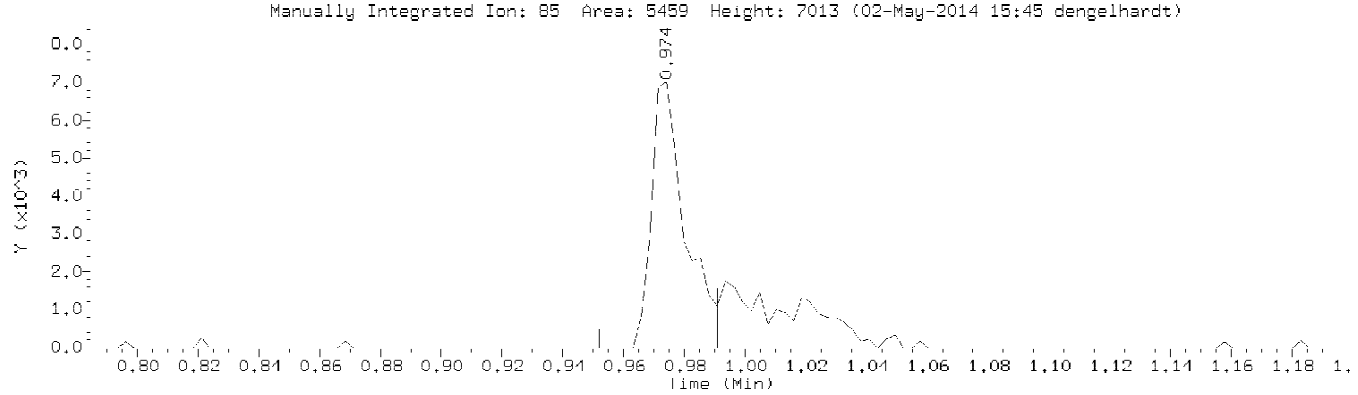
Instrument: 50mv2b.i
Operator: dae
Column diameter: 0.18

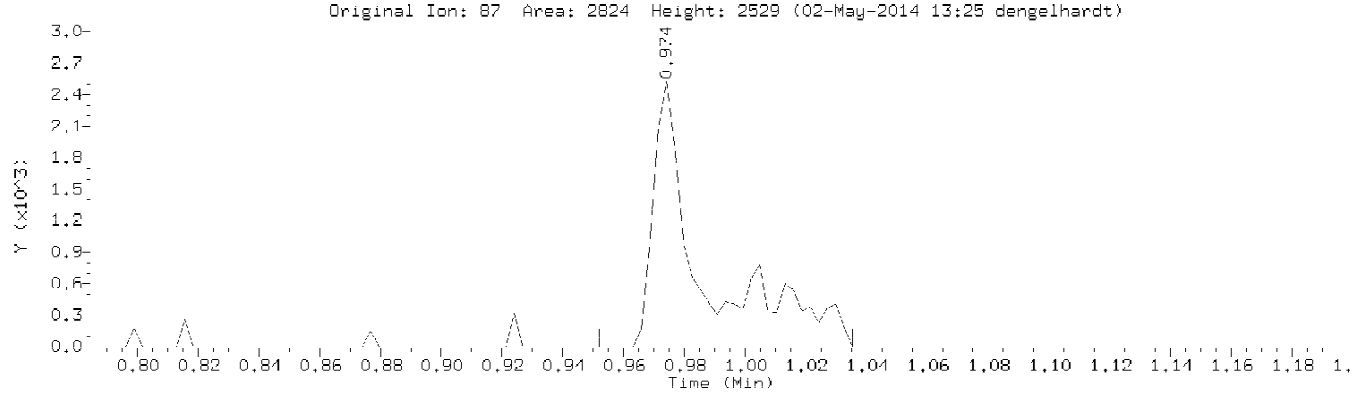
Page 4

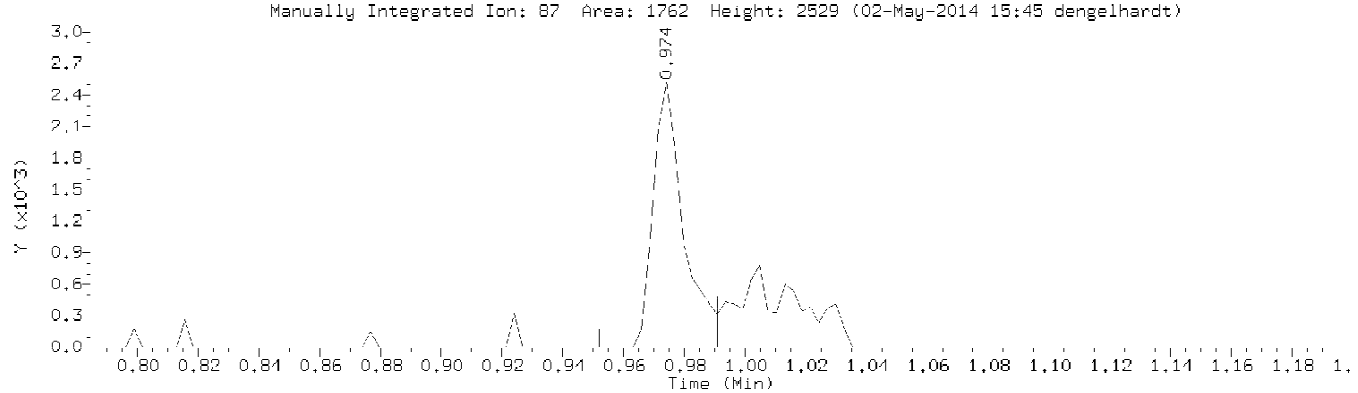
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b04cal3.d
Injection Date: 02-MAY-2014 12:32
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL3,65550:0

Compound: Dichlorodifluoromethane
CAS Number: 107-06-2

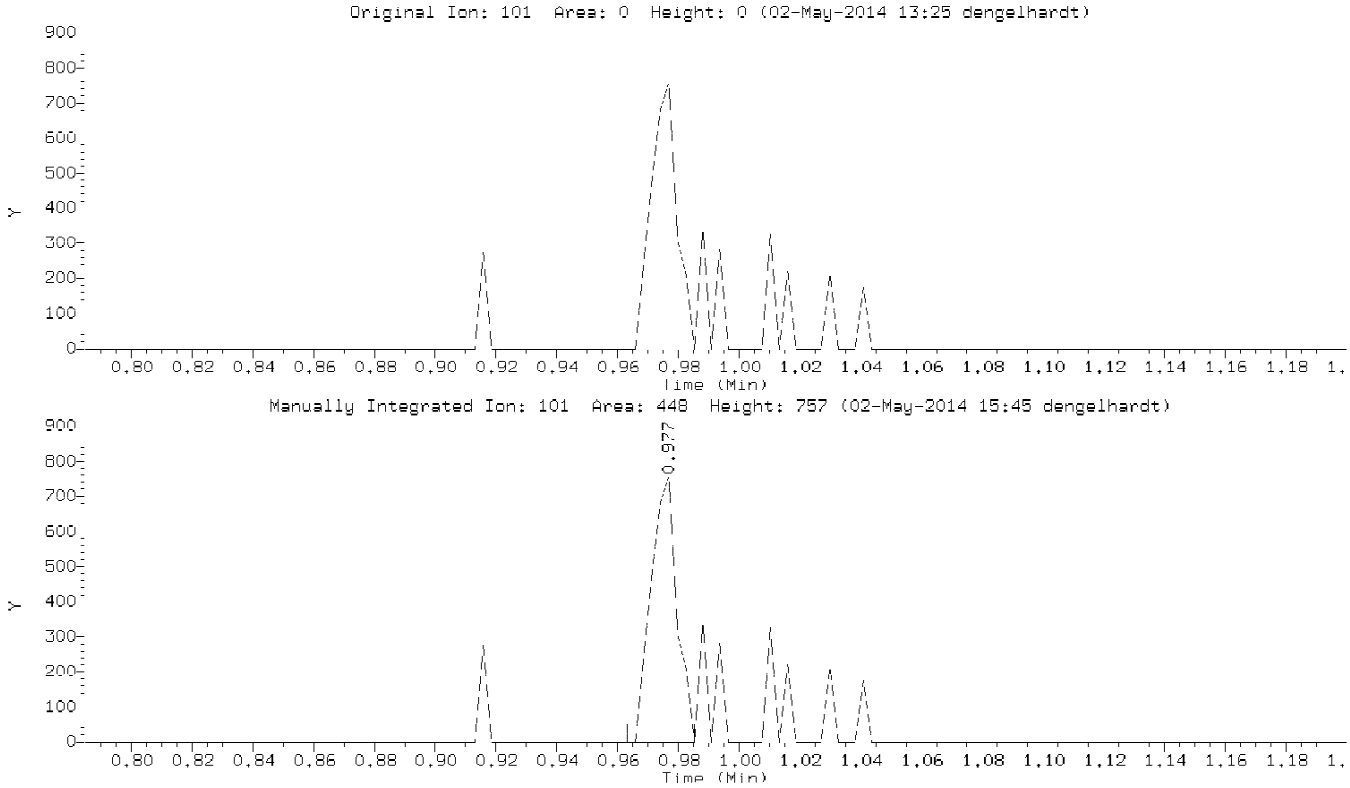








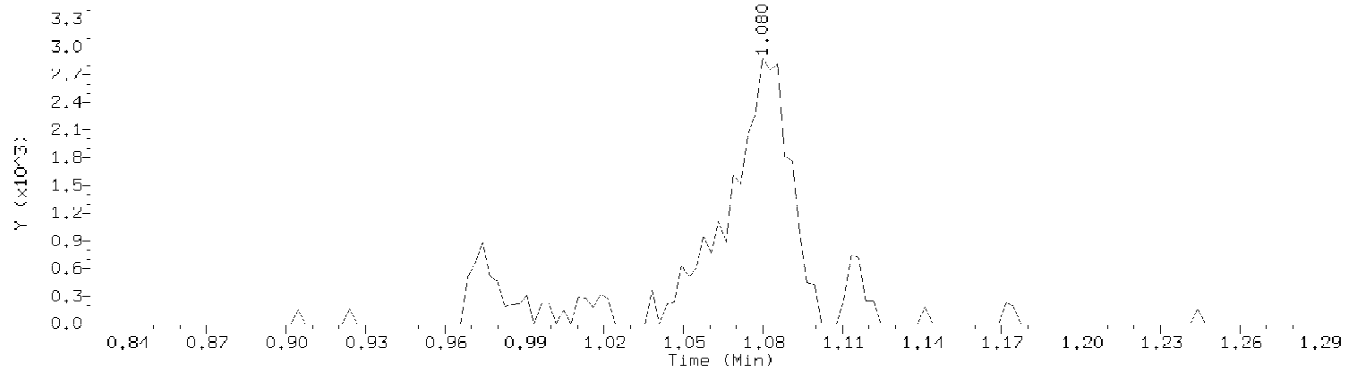
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b04cal3.d
Injection Date: 02-MAY-2014 12:32
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL3,65550:0



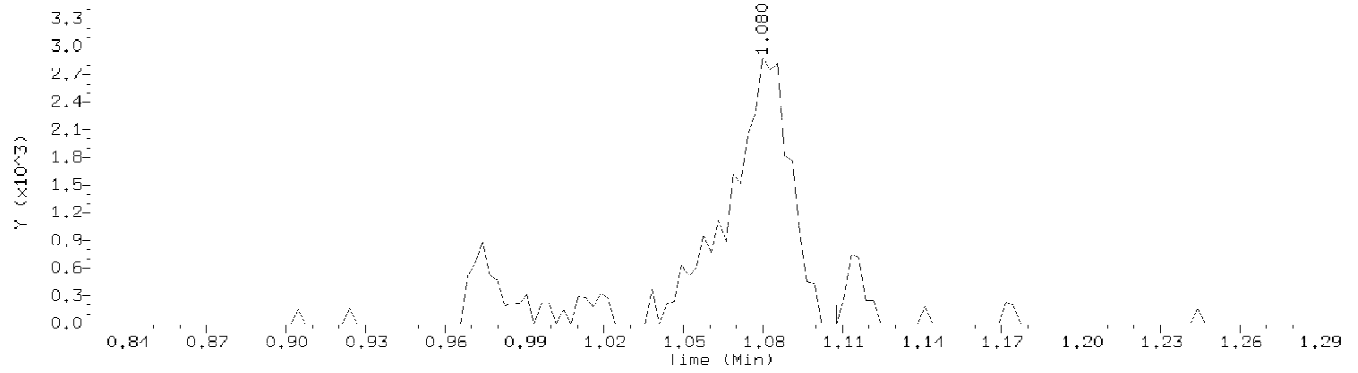
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b04cal3.d
Injection Date: 02-MAY-2014 12:32
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL3,65550:0

Compound: Chloromethane
CAS Number: 74-87-3

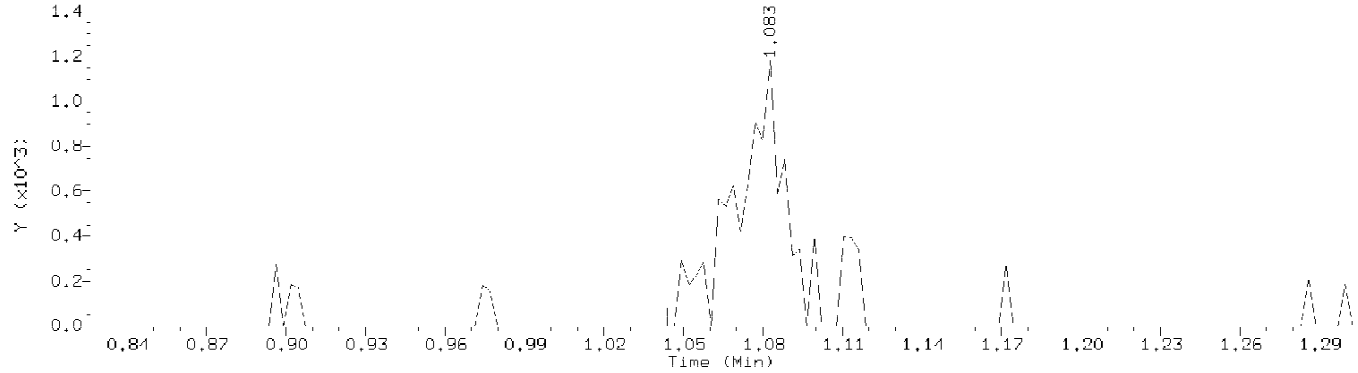
Original Ion: 50 Area: 4996 Height: 2880 (02-May-2014 13:25 dengelhardt)



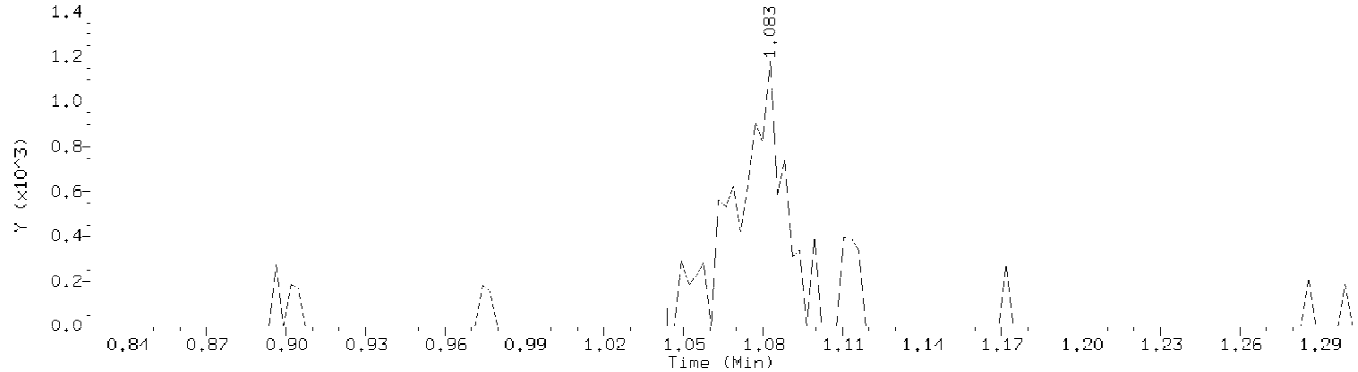
Manually Integrated Ion: 50 Area: 4624 Height: 2880 (02-May-2014 15:45 dengelhardt)



Original Ion: 52 Area: 1703 Height: 1184 (02-May-2014 13:25 dengelhardt)



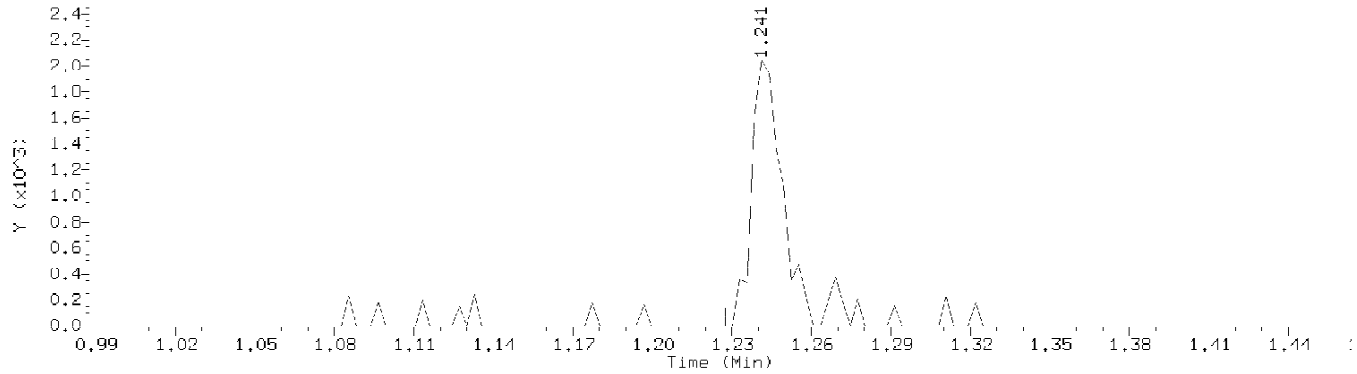
Manually Integrated Ion: 52 Area: 1514 Height: 1184 (02-May-2014 15:45 dengelhardt)



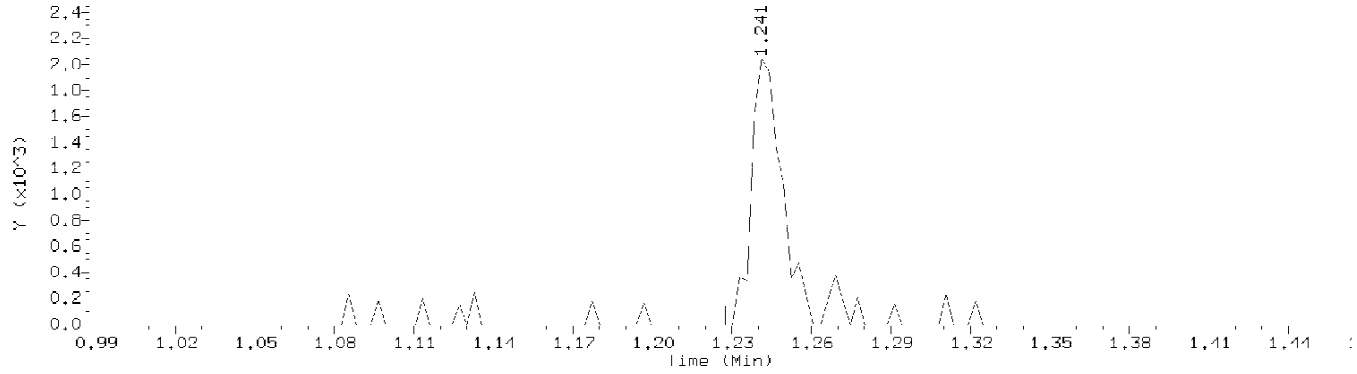
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b04cal3.d
Injection Date: 02-MAY-2014 12:32
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL3,65550:0

Compound: Bromomethane
CAS Number: 74-83-9

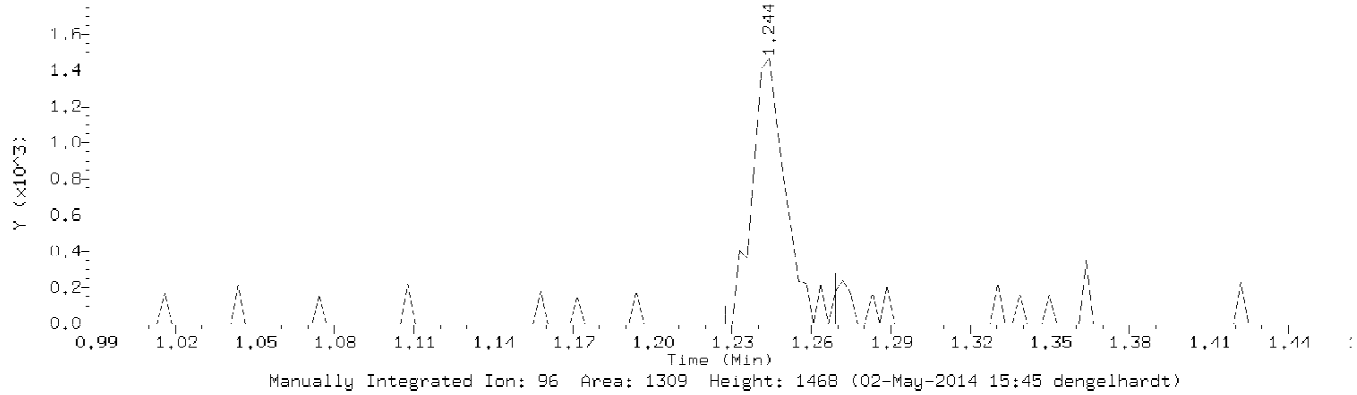
Original Ion: 94 Area: 1791 Height: 2044 (02-May-2014 13:25 dengelhardt)



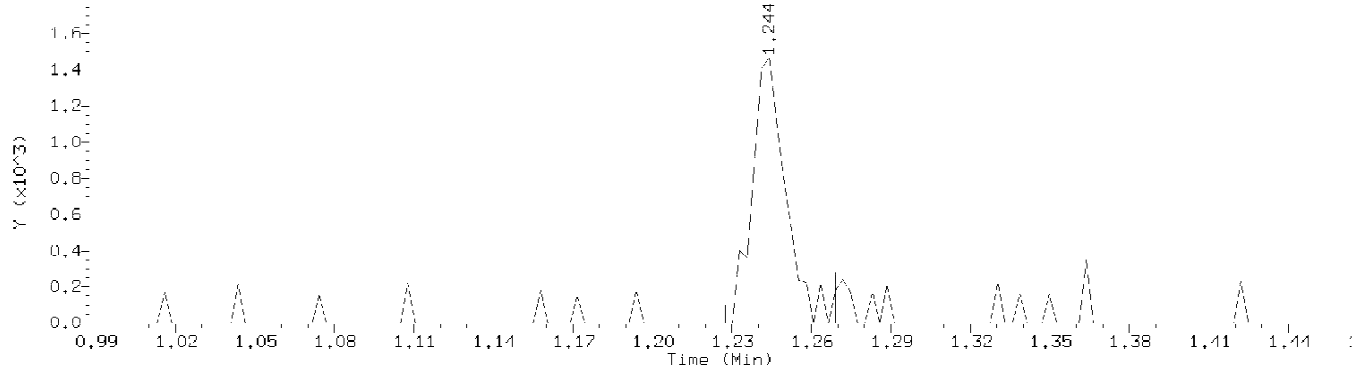
Manually Integrated Ion: 94 Area: 1629 Height: 2044 (02-May-2014 15:45 dengelhardt)



Original Ion: 96 Area: 1309 Height: 1468 (02-May-2014 13:25 dengelhardt)



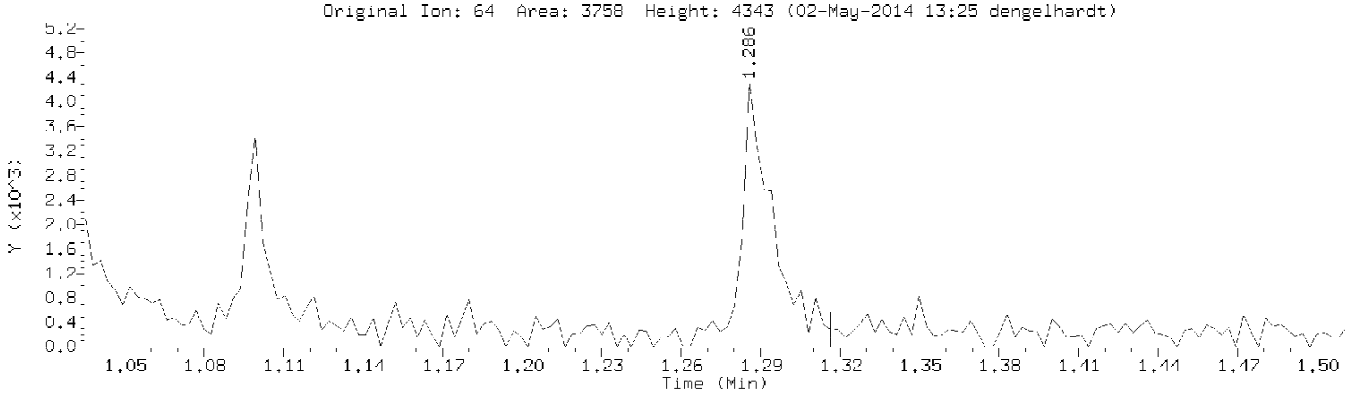
Manually Integrated Ion: 96 Area: 1309 Height: 1468 (02-May-2014 15:45 dengelhardt)



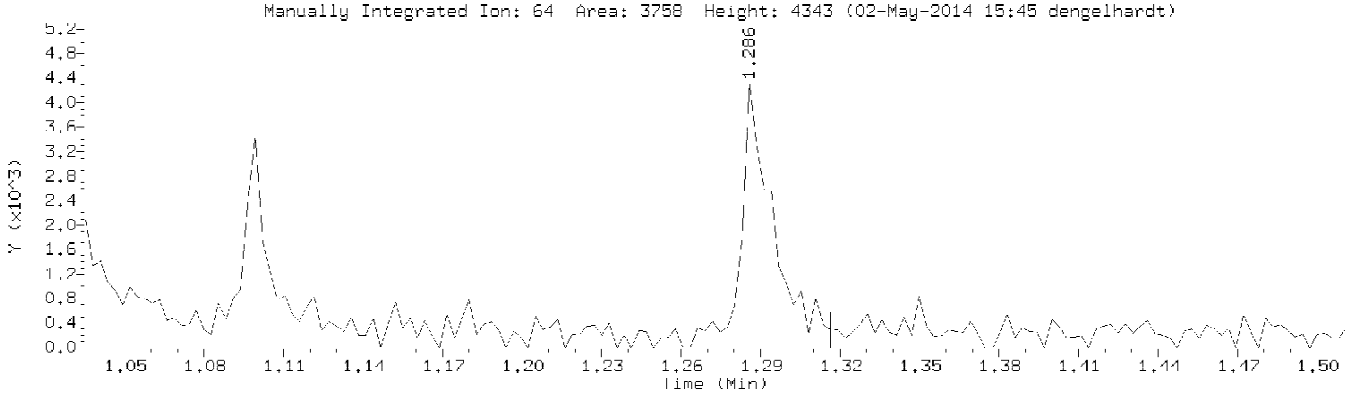
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b04cal3.d
Injection Date: 02-MAY-2014 12:32
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL3,65550:0

Compound: Chloroethane
CAS Number: 75-00-3

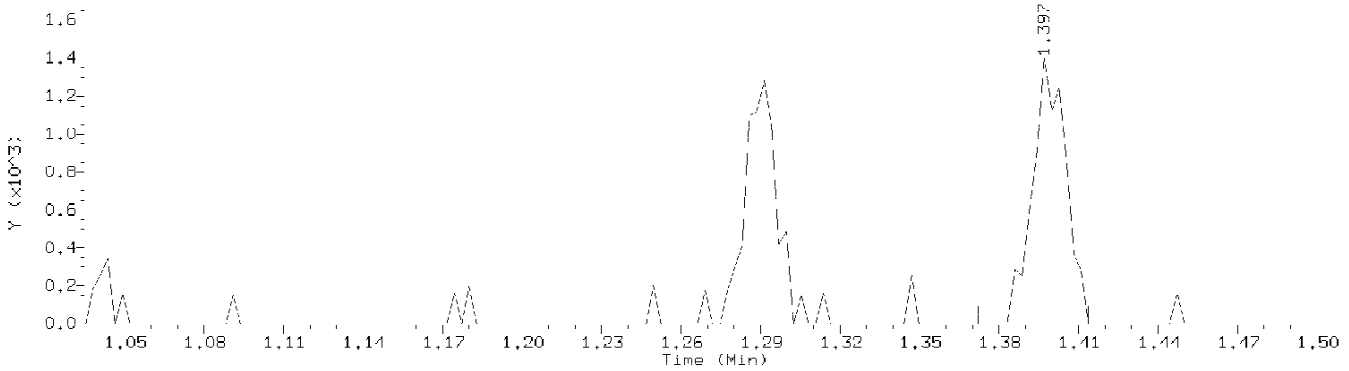
Original Ion: 64 Area: 3758 Height: 4343 (02-May-2014 13:25 dengelhardt)



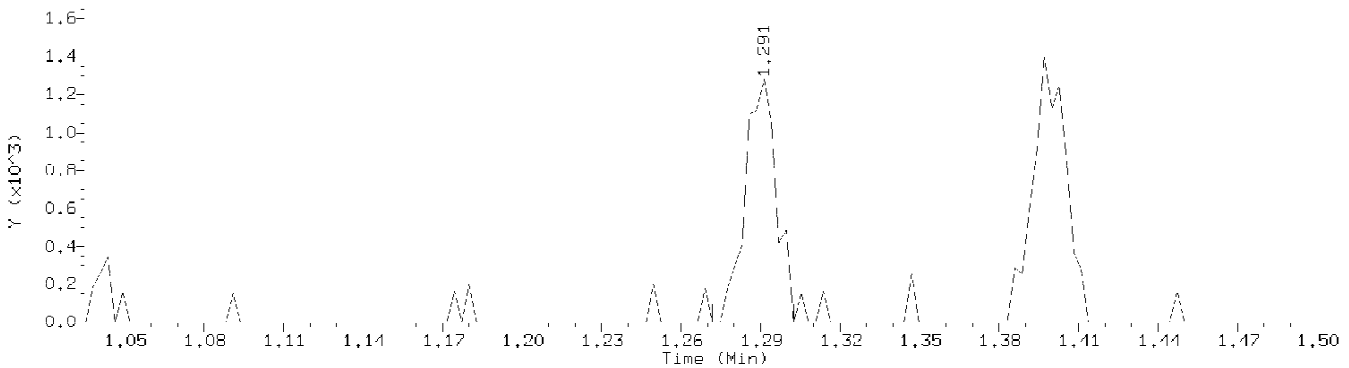
Manually Integrated Ion: 64 Area: 3758 Height: 4343 (02-May-2014 15:45 dengelhardt)



Original Ion: 66 Area: 1223 Height: 1400 (02-May-2014 13:25 dengelhardt)



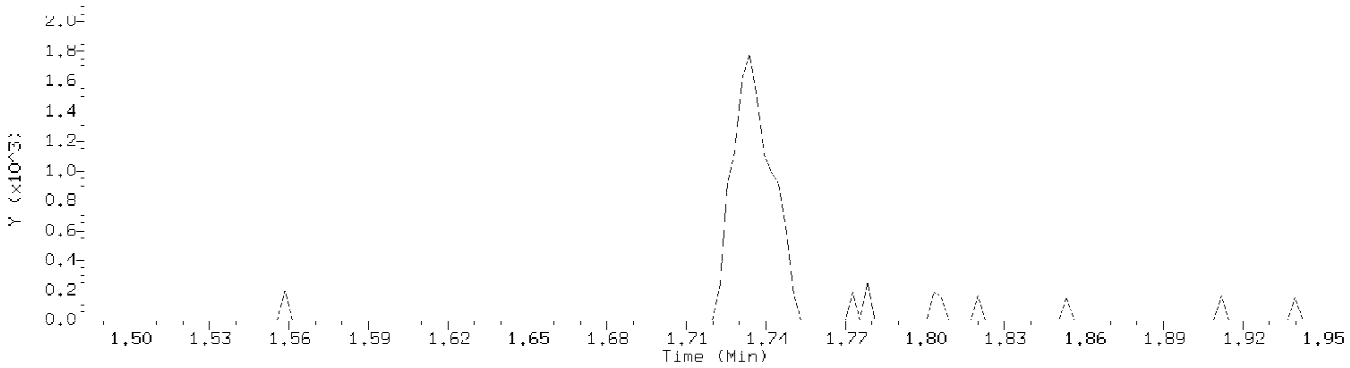
Manually Integrated Ion: 66 Area: 1057 Height: 1282 (02-May-2014 15:45 dengelhardt)



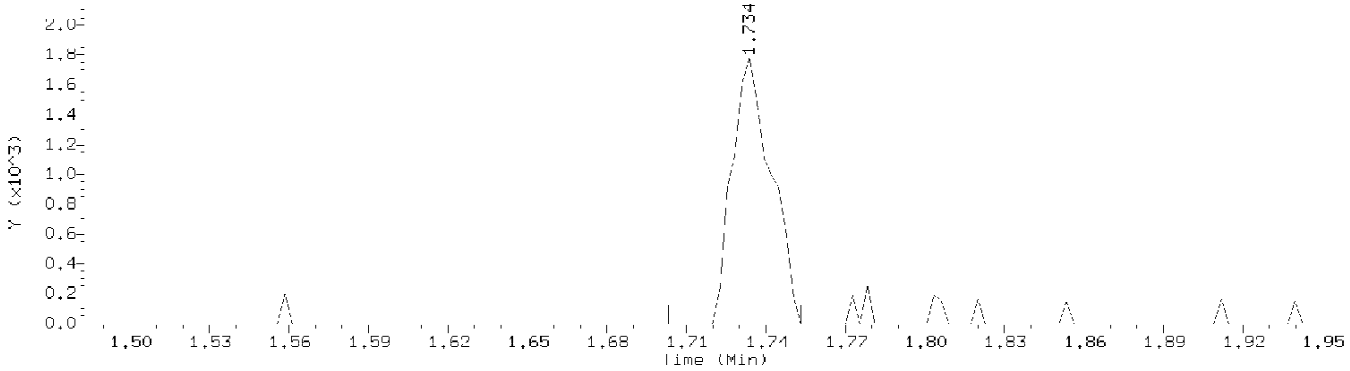
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b04cal3.d
Injection Date: 02-MAY-2014 12:32
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL3,65550:0

Compound: Iodomethane
CAS Number:

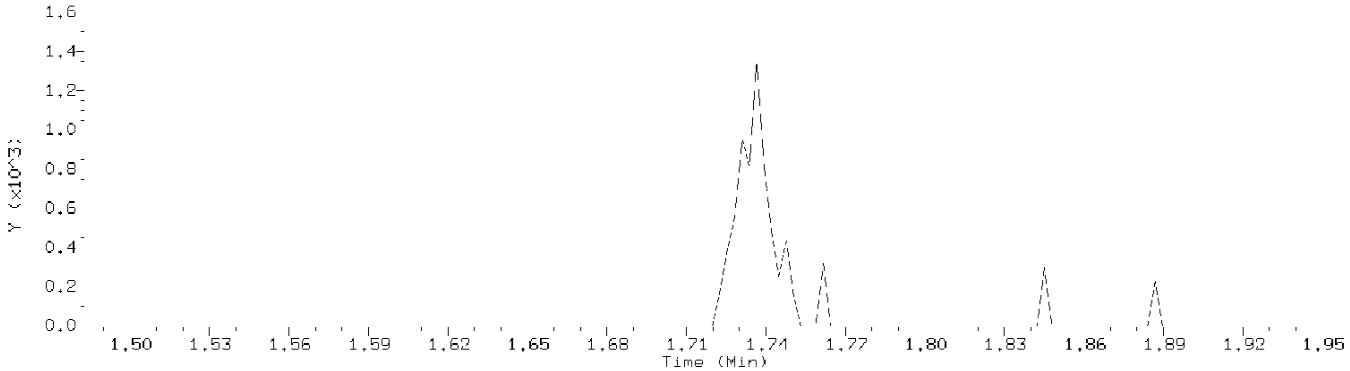
Original Ion: 142 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)



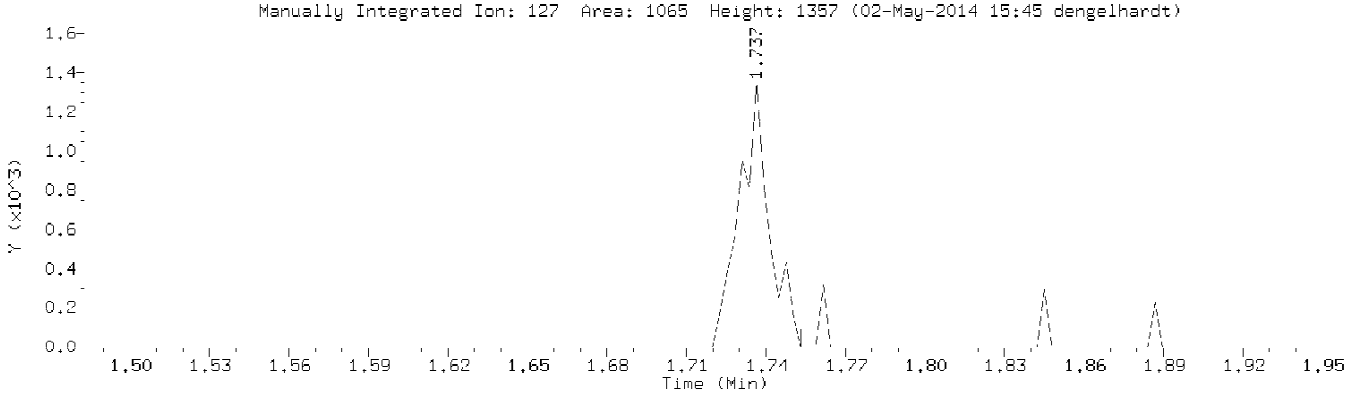
Manually Integrated Ion: 142 Area: 1828 Height: 1781 (02-May-2014 15:45 dengelhardt)



Original Ion: 127 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)



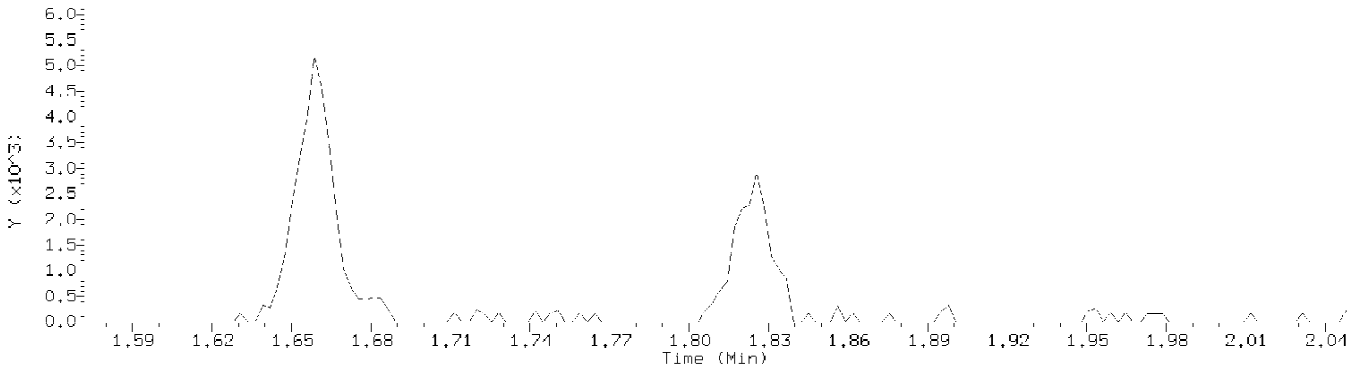
Manually Integrated Ion: 127 Area: 1065 Height: 1357 (02-May-2014 15:45 dengelhardt)



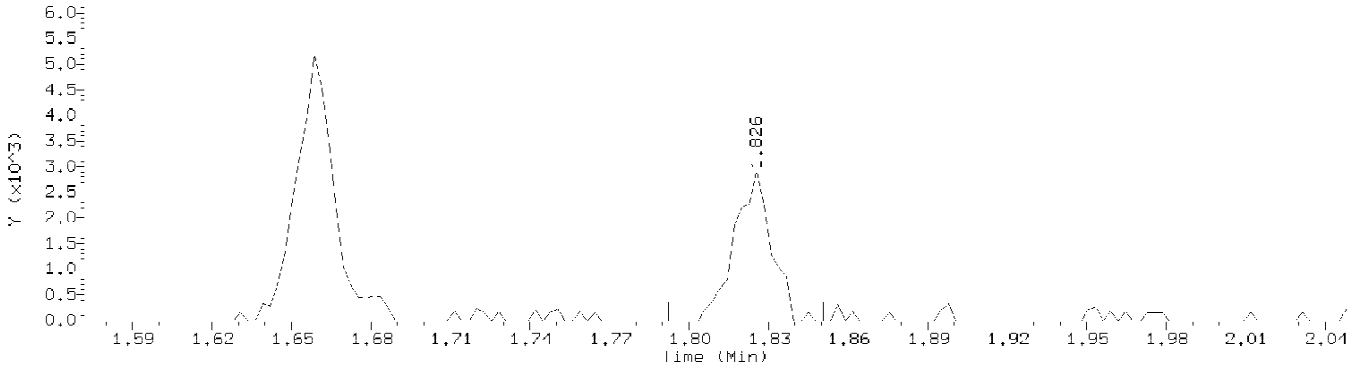
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b04cal3.d
Injection Date: 02-MAY-2014 12:32
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL3,65550:0

Compound: Methyl Acetate
CAS Number: 79-20-9

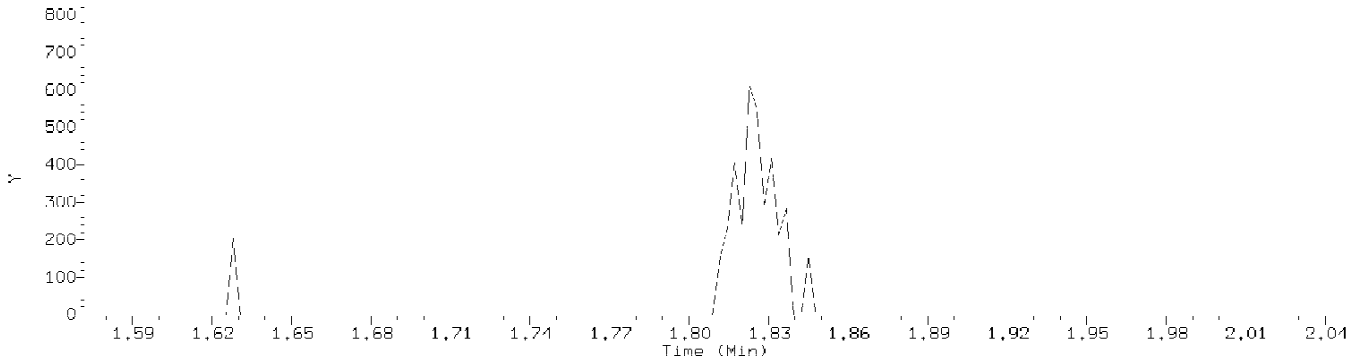
Original Ion: 43 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)



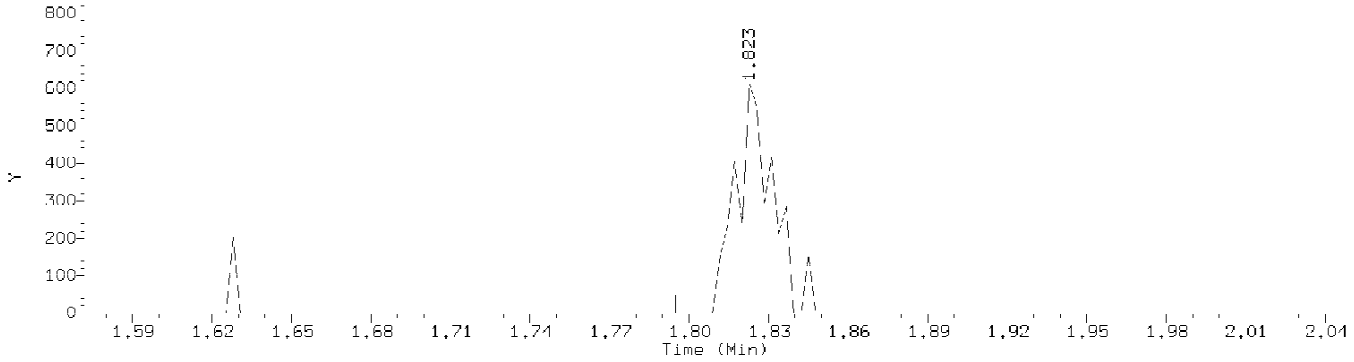
Manually Integrated Ion: 43 Area: 2805 Height: 2920 (02-May-2014 15:45 dengelhardt)



Original Ion: 74 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)



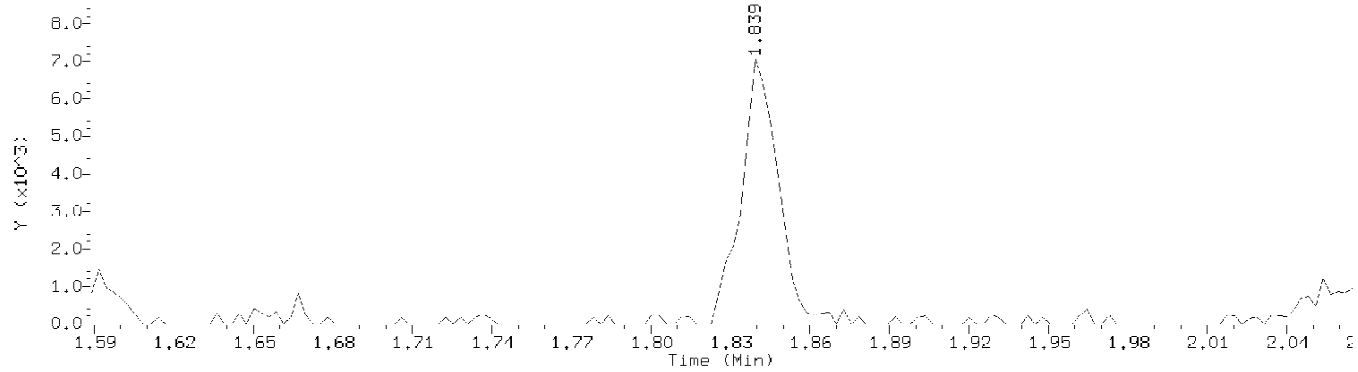
Manually Integrated Ion: 74 Area: 593 Height: 614 (02-May-2014 15:45 dengelhardt)



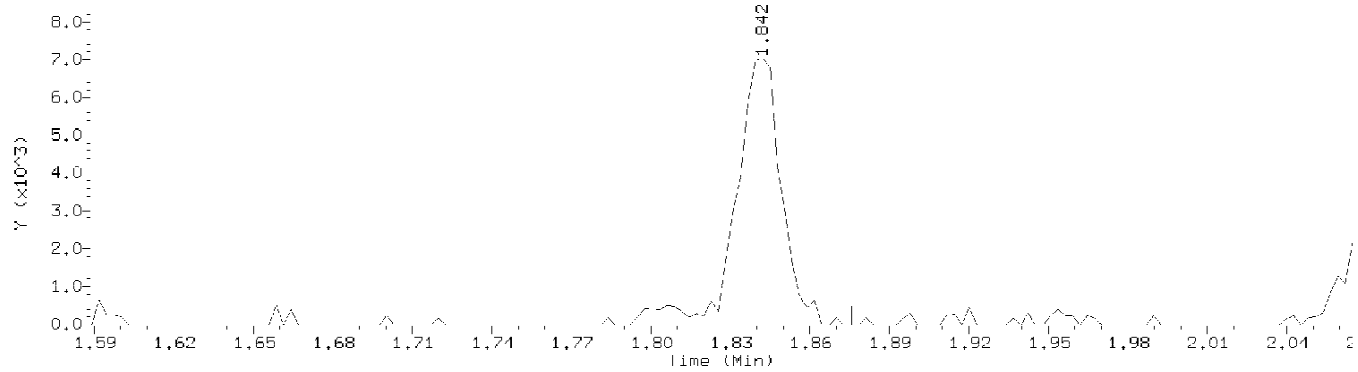
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b04cal3.d
Injection Date: 02-MAY-2014 12:32
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL3,65550:0

Compound: allyl chloride
CAS Number: 107-05-1

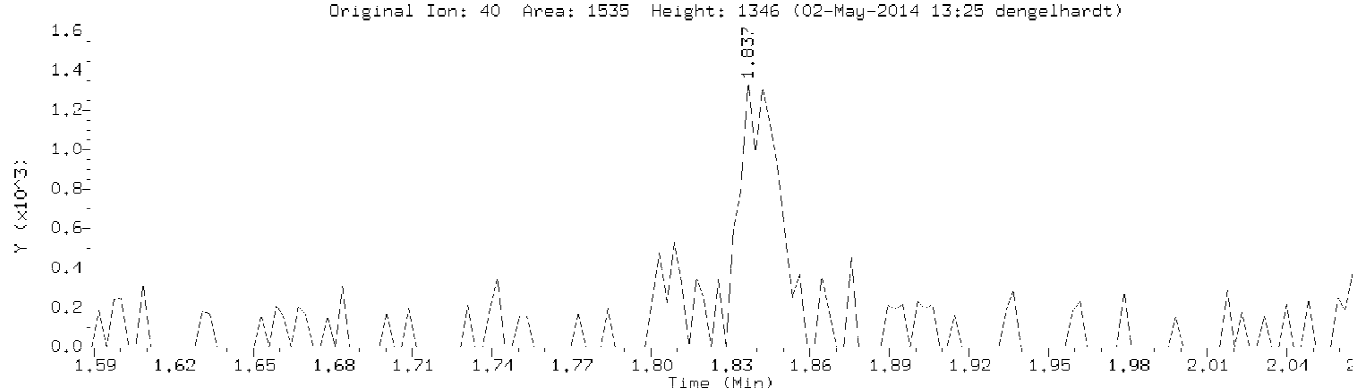
Original Ion: 39 Area: 6745 Height: 7080 (02-May-2014 13:25 dengelhardt)



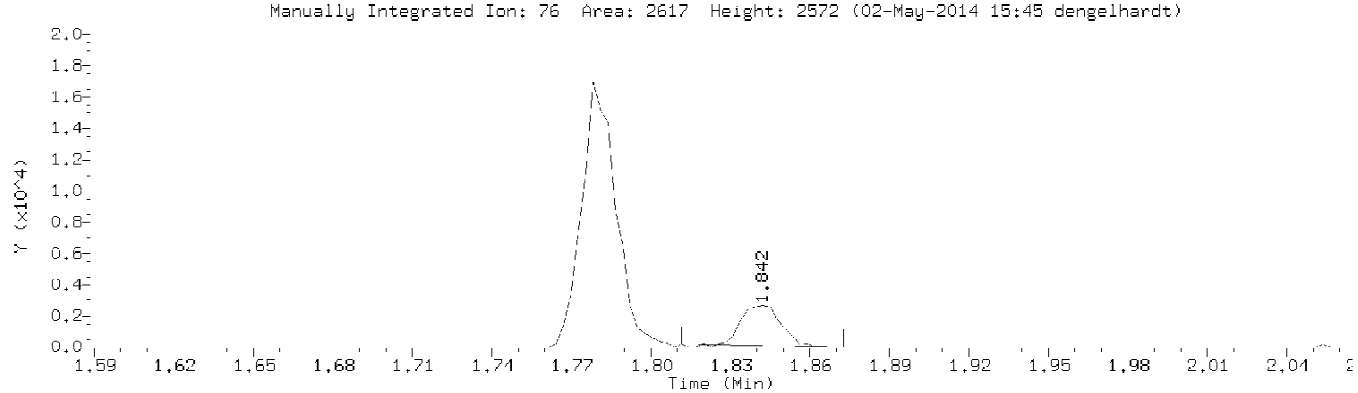
Manually Integrated Ion: 41 Area: 8461 Height: 7030 (02-May-2014 15:45 dengelhardt)



Original Ion: 40 Area: 1535 Height: 1346 (02-May-2014 13:25 dengelhardt)



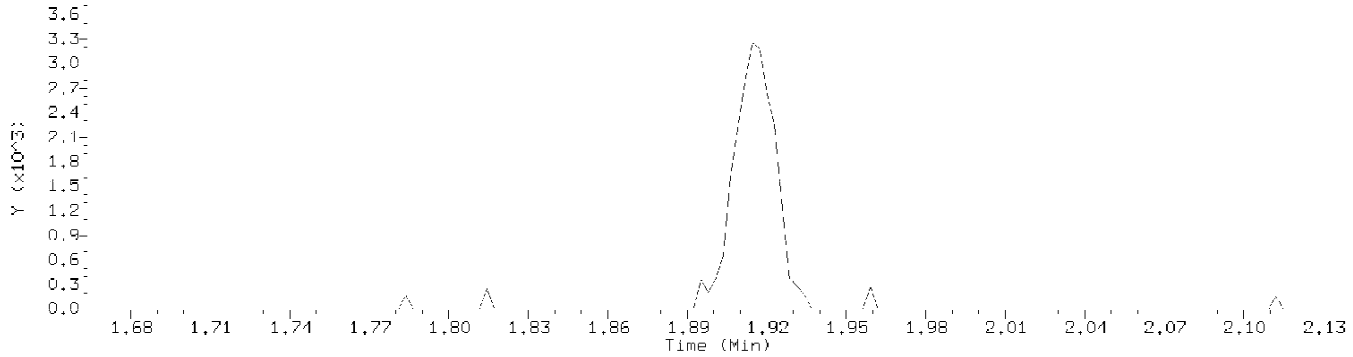
Manually Integrated Ion: 76 Area: 2617 Height: 2572 (02-May-2014 15:45 dengelhardt)



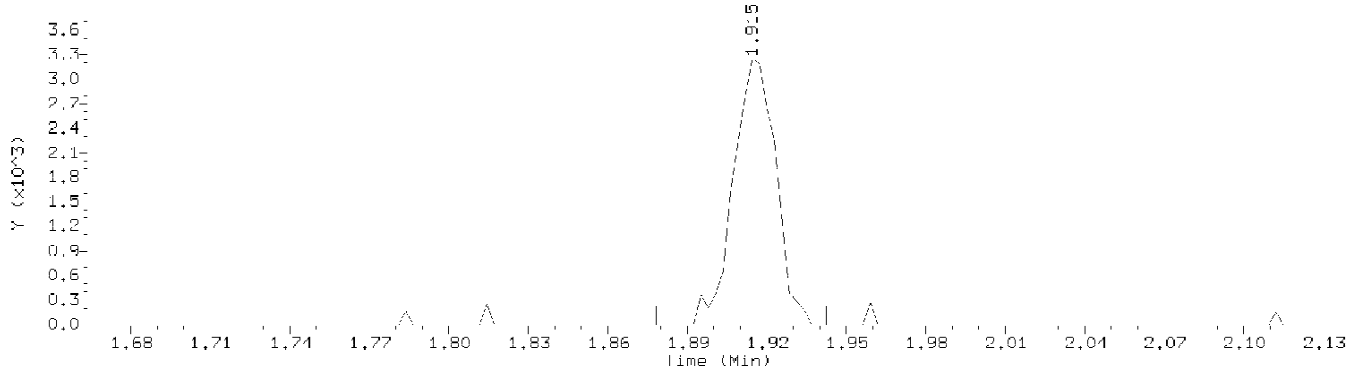
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b04cal3.d
Injection Date: 02-MAY-2014 12:32
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL3,65550:0

Compound: Methylene Chloride
CAS Number: 75-09-2

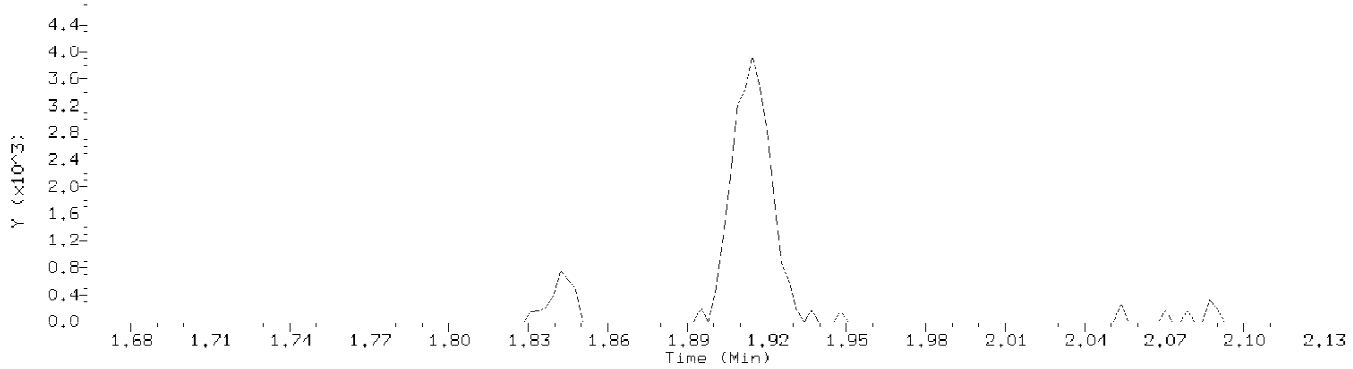
Original Ion: 84 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)



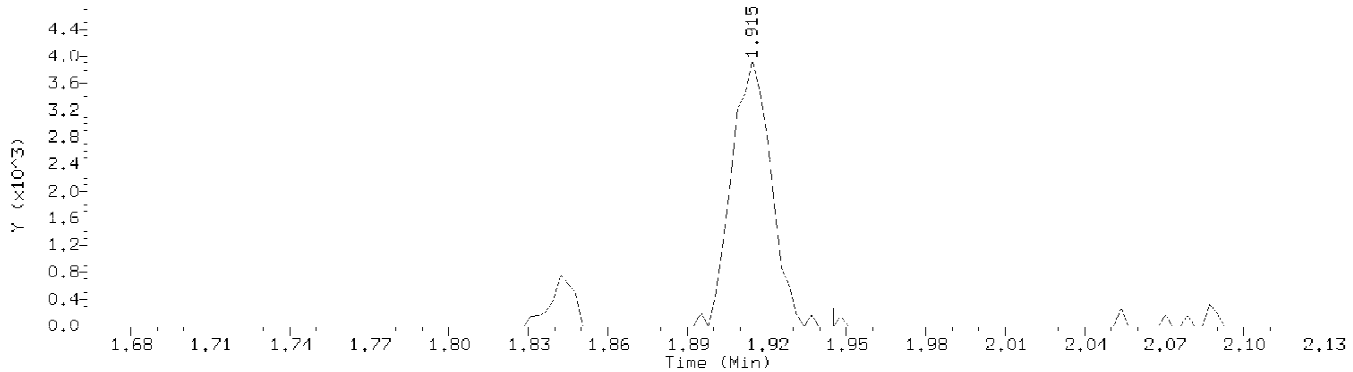
Manually Integrated Ion: 84 Area: 3611 Height: 3249 (02-May-2014 15:45 dengelhardt)



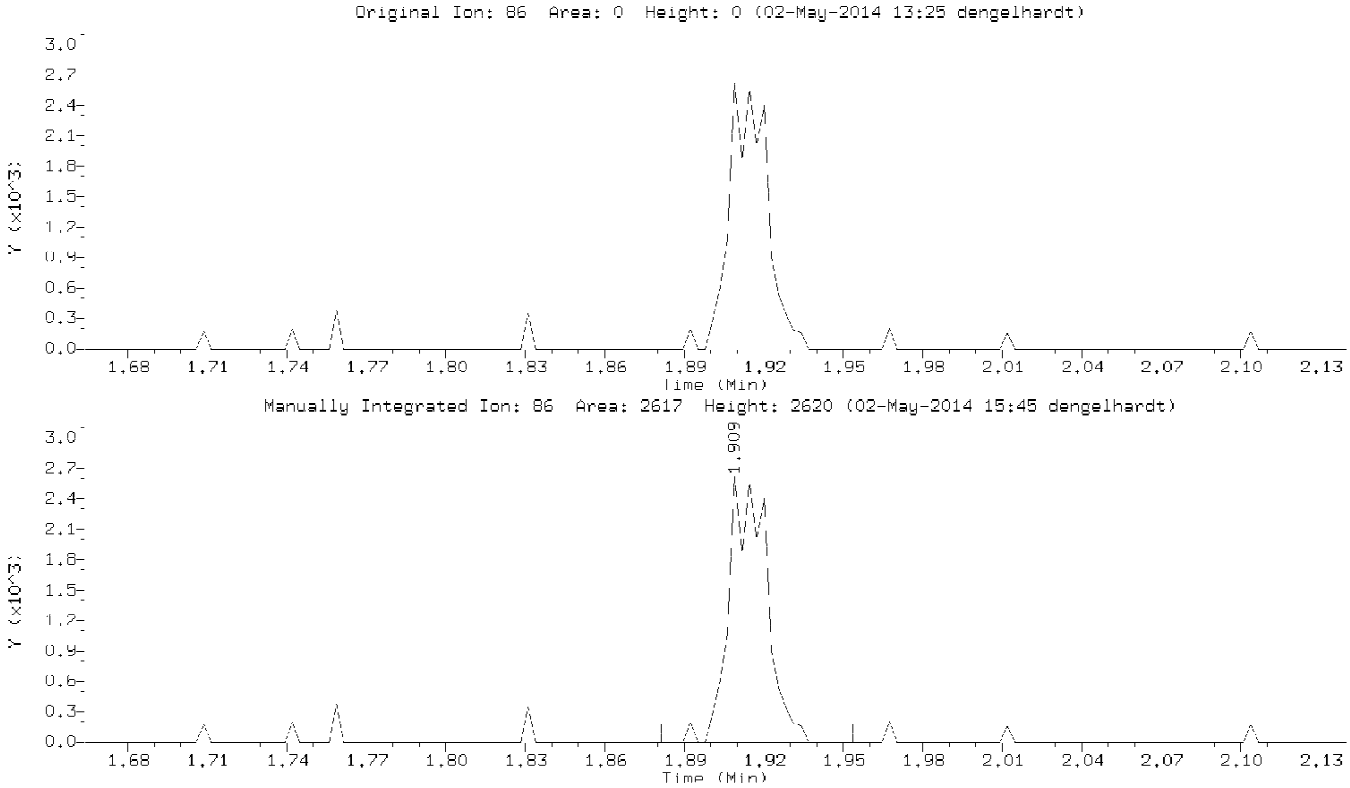
Original Ion: 49 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)



Manually Integrated Ion: 49 Area: 4093 Height: 3937 (02-May-2014 15:45 dengelhardt)

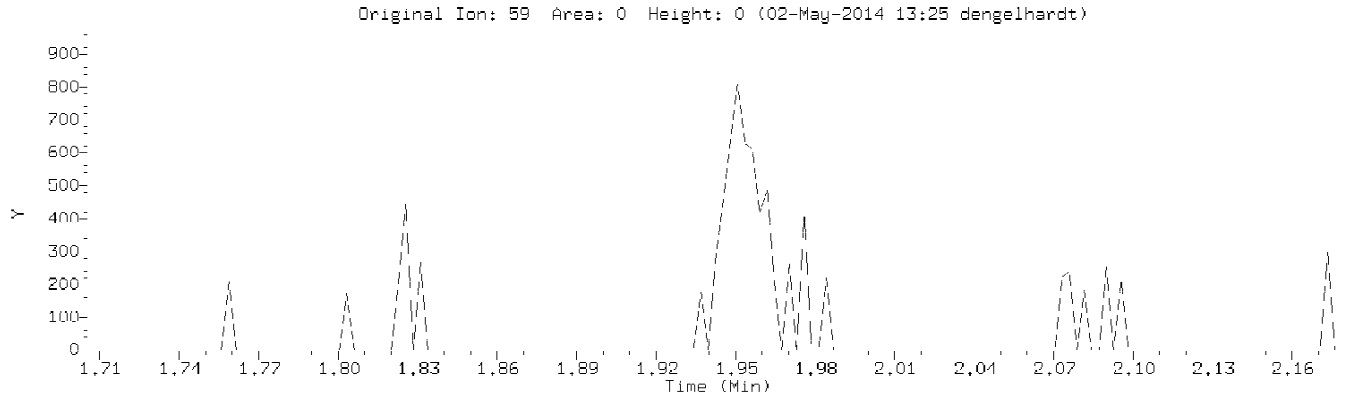


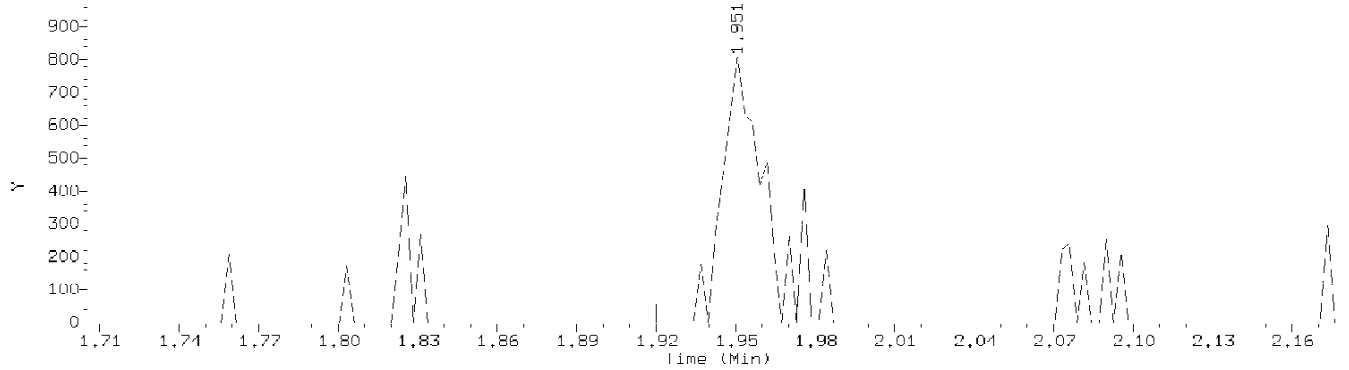
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b04cal3.d
Injection Date: 02-MAY-2014 12:32
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL3,65550:0

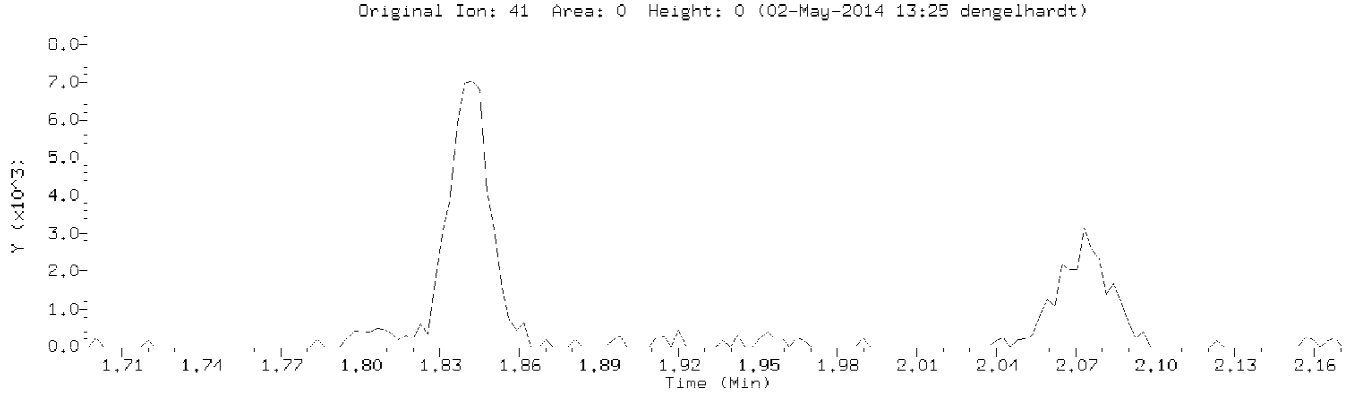


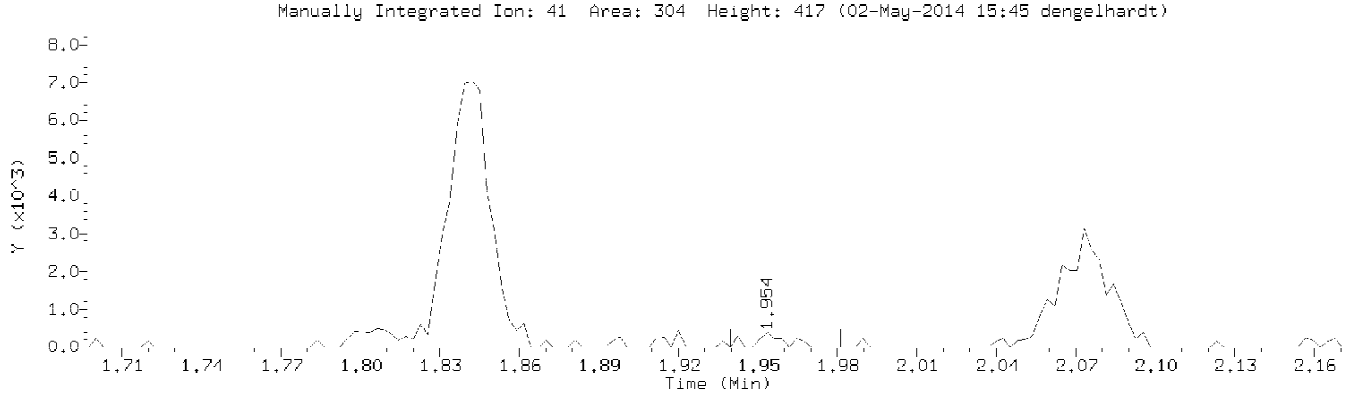
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b04cal3.d
Injection Date: 02-MAY-2014 12:32
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL3,65550:0

Compound: tert-Butyl Alcohol
CAS Number: 75-65-0





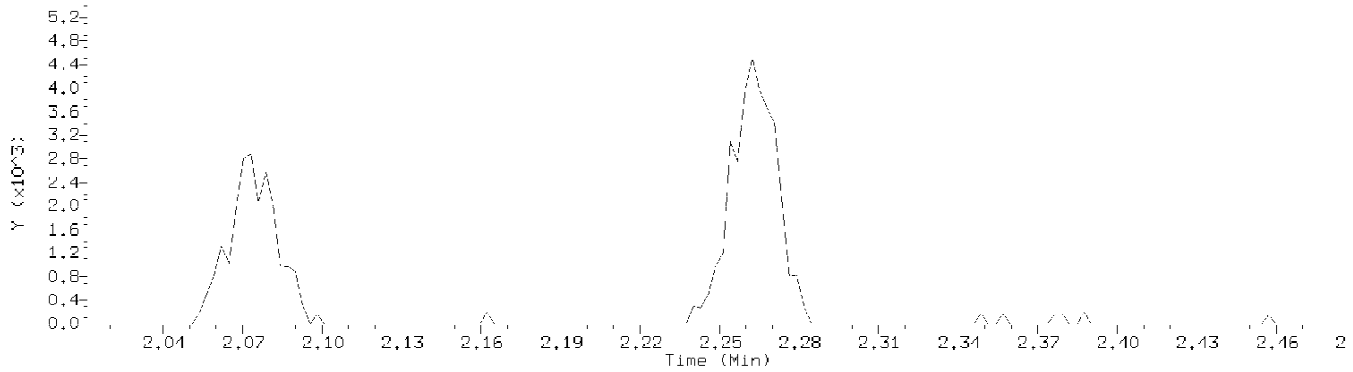




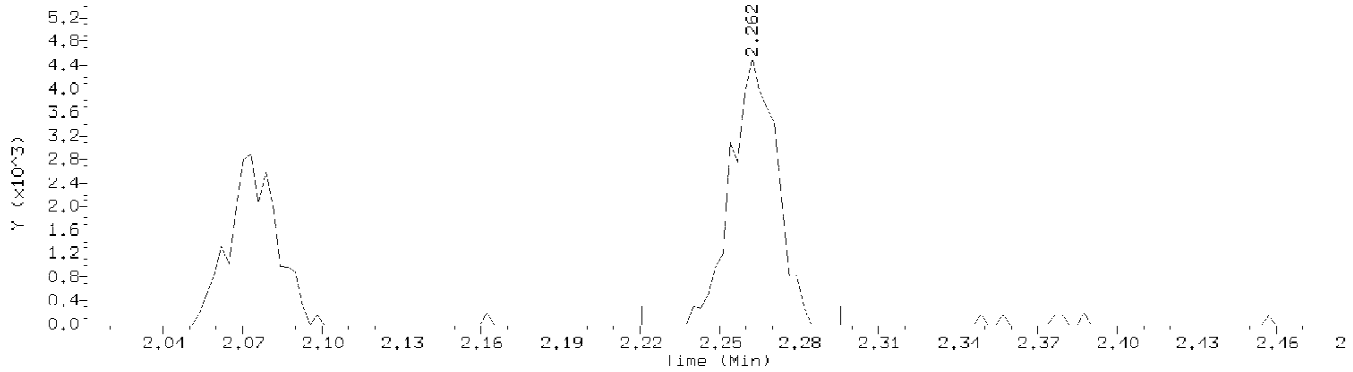
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b04cal3.d
Injection Date: 02-MAY-2014 12:32
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL3,65550:0

Compound: n-Hexane
CAS Number:

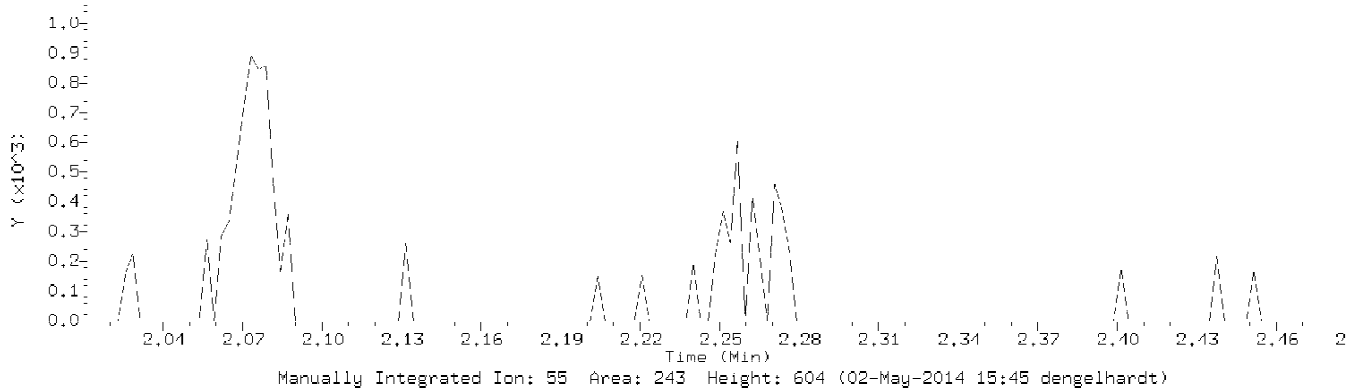
Original Ion: 57 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)



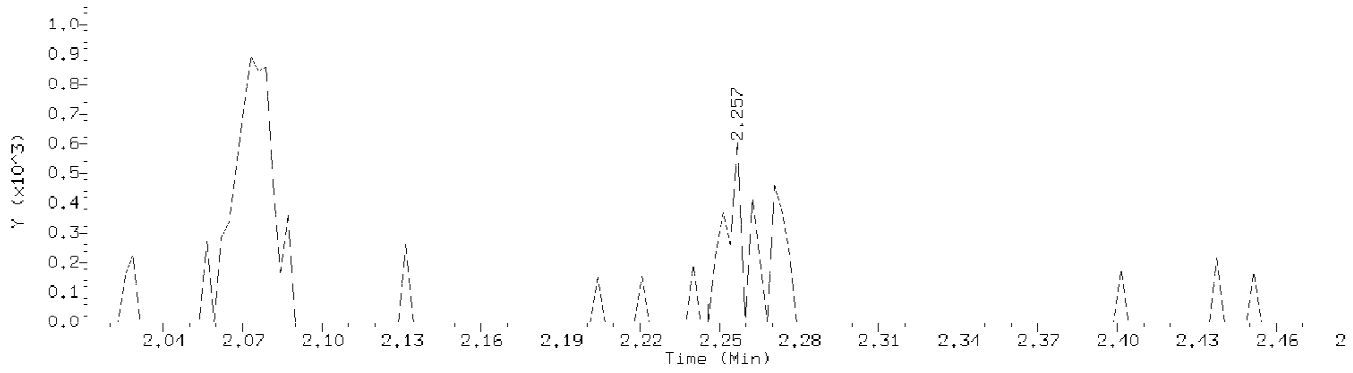
Manually Integrated Ion: 57 Area: 5456 Height: 4510 (02-May-2014 15:45 dengelhardt)



Original Ion: 55 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)



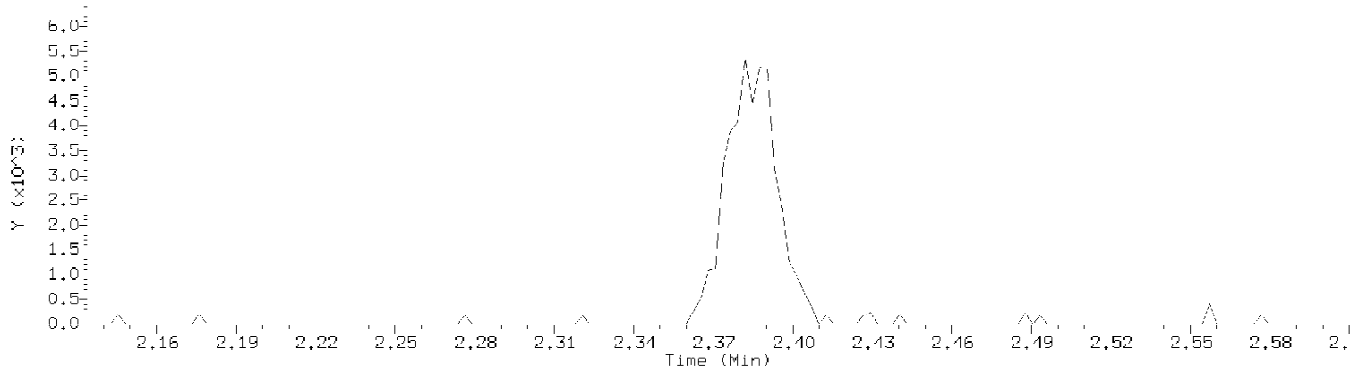
Manually Integrated Ion: 55 Area: 243 Height: 604 (02-May-2014 15:45 dengelhardt)



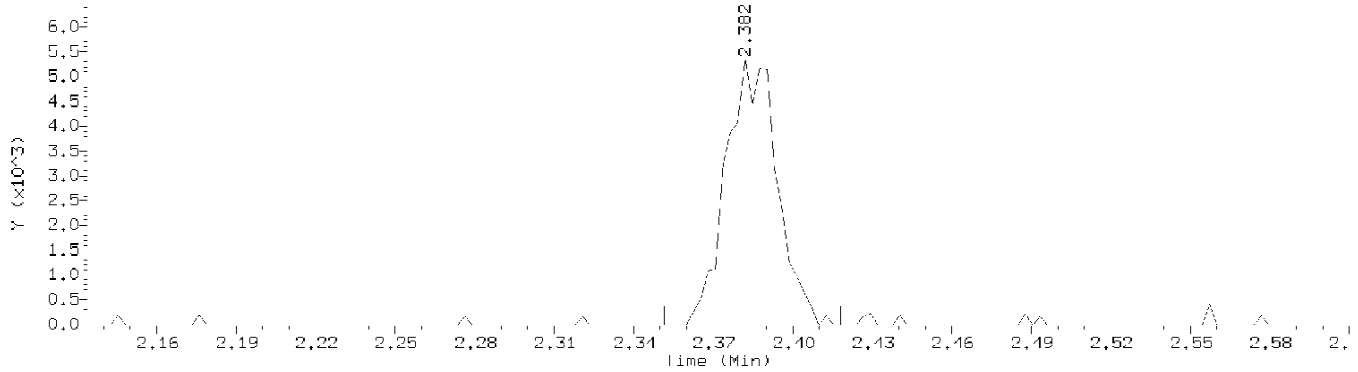
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b04cal3.d
Injection Date: 02-MAY-2014 12:32
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL3,65550:0

Compound: 1,1-Dichloroethane
CAS Number: 75-34-3

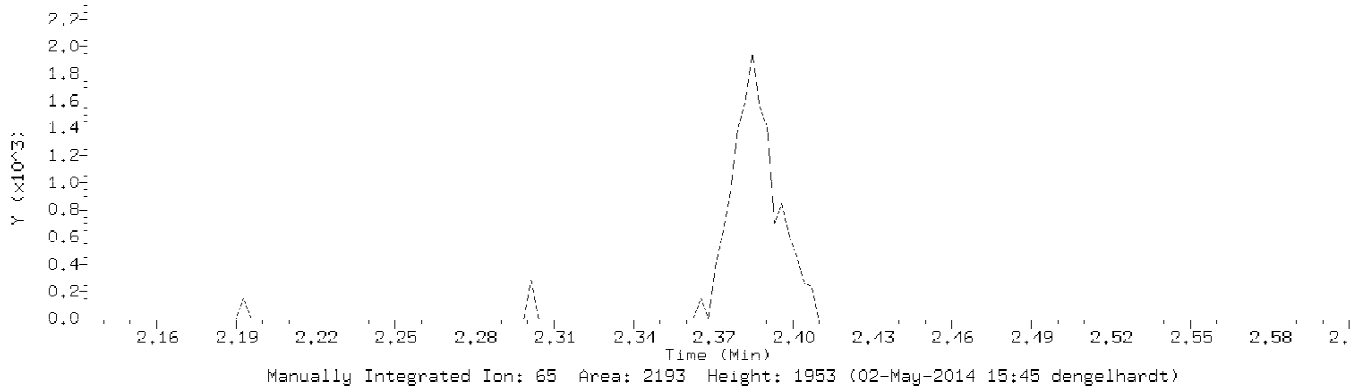
Original Ion: 63 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)



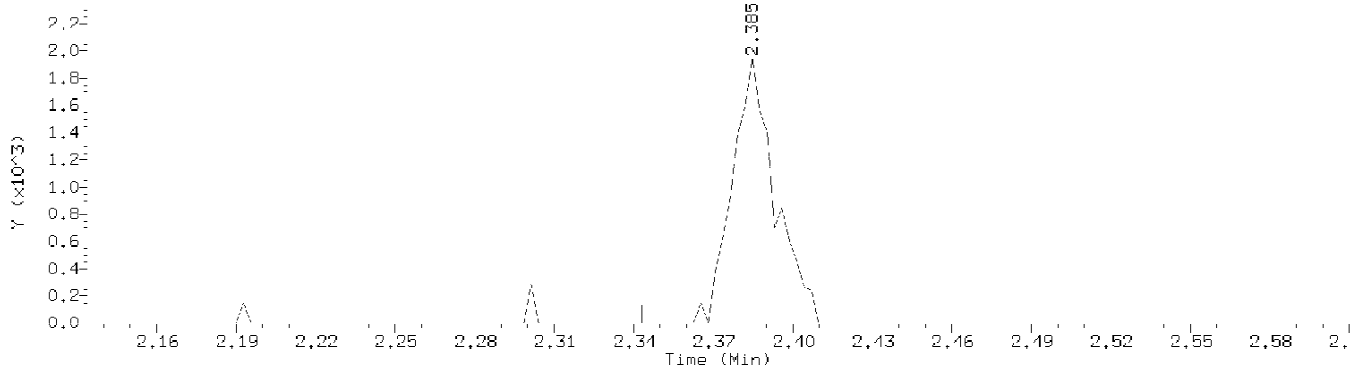
Manually Integrated Ion: 63 Area: 7207 Height: 5362 (02-May-2014 15:45 dengelhardt)



Original Ion: 65 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)

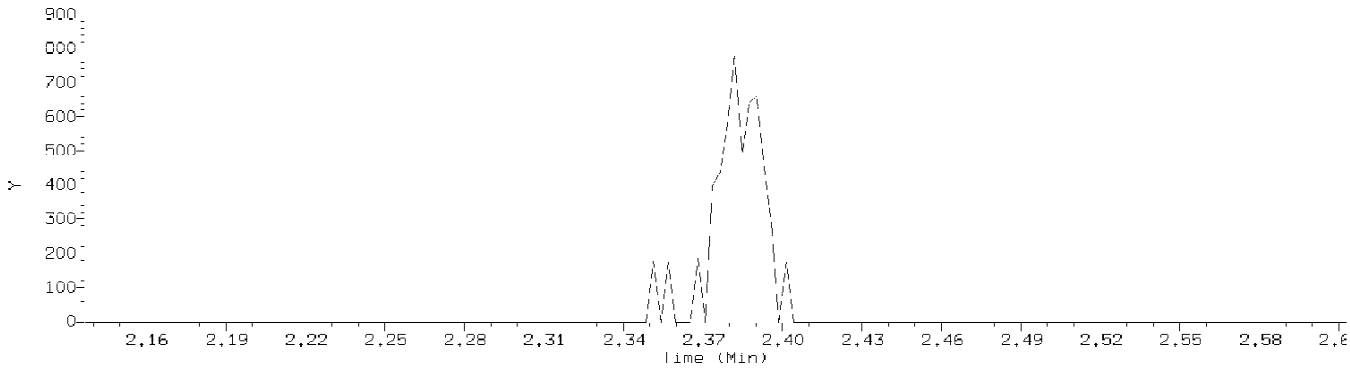


Manually Integrated Ion: 65 Area: 2193 Height: 1953 (02-May-2014 15:45 dengelhardt)

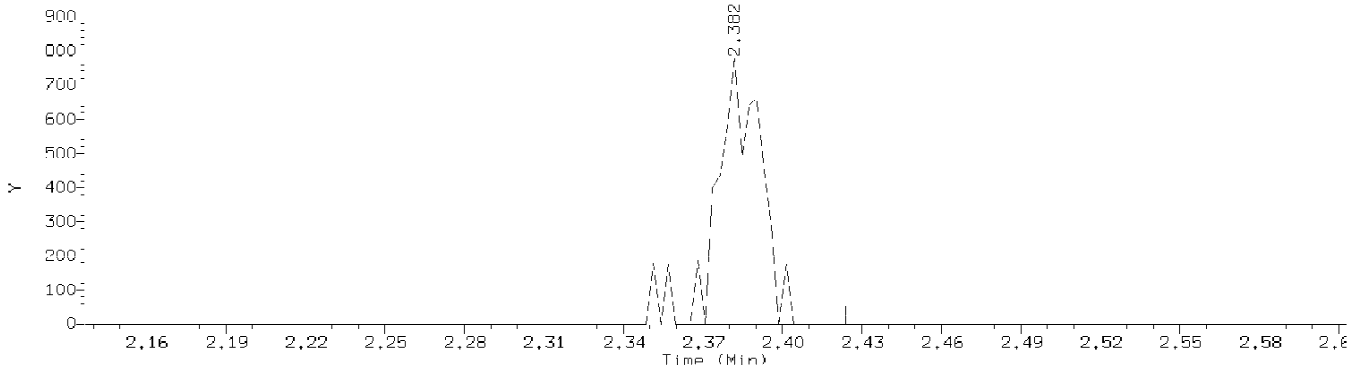


Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b04cal3.d
Injection Date: 02-MAY-2014 12:32
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL3,65550:0

Original Ion: 83 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)



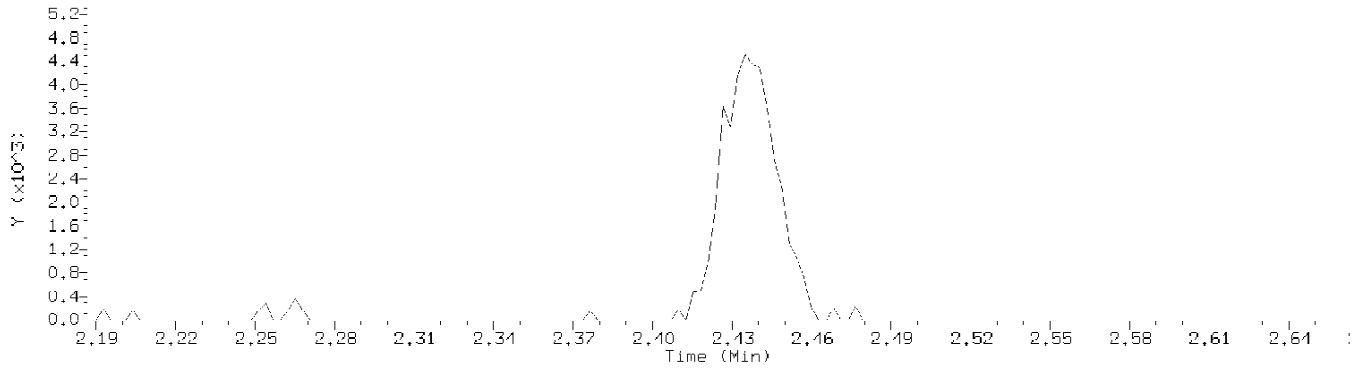
Manually Integrated Ion: 83 Area: 848 Height: 779 (02-May-2014 15:45 dengelhardt)



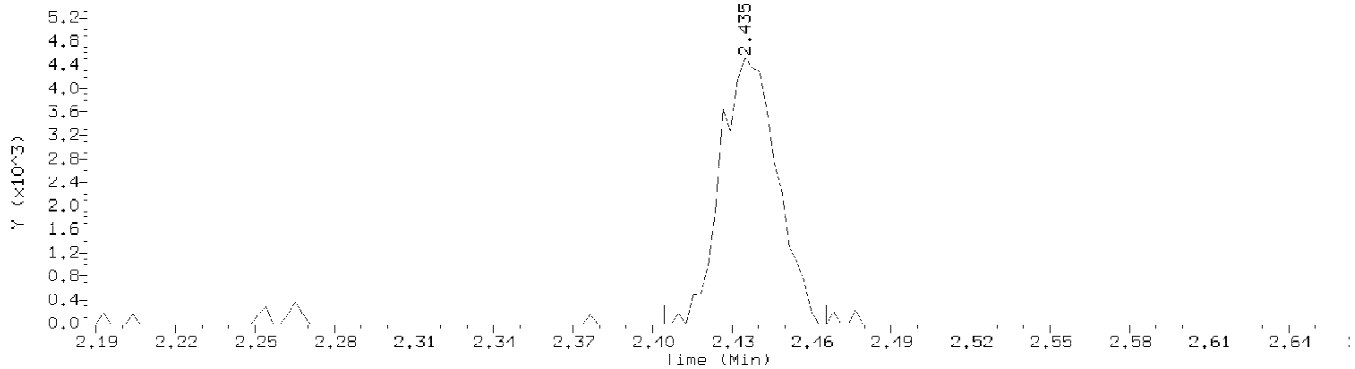
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b04cal3.d
Injection Date: 02-MAY-2014 12:32
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL3,65550:0

Compound: Chloroprene
CAS Number: 126-99-8

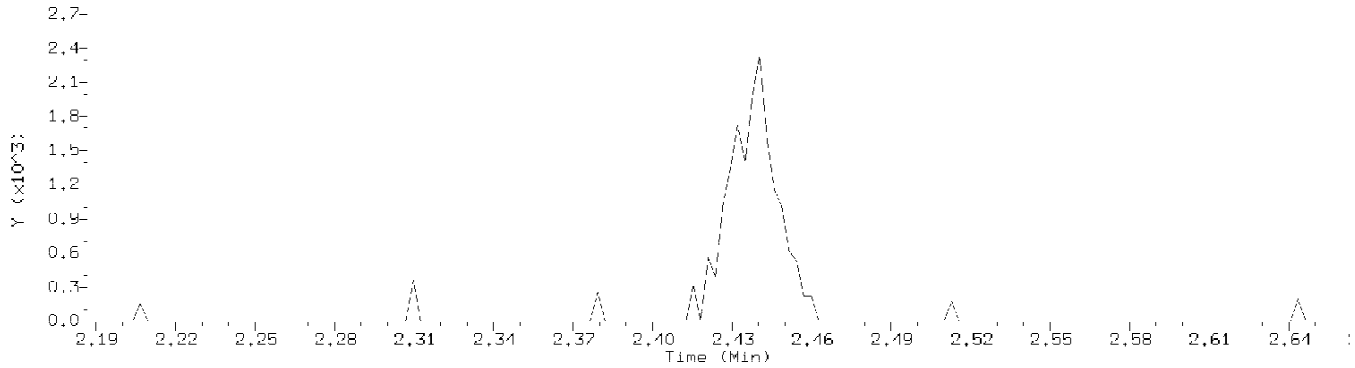
Original Ion: 53 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)



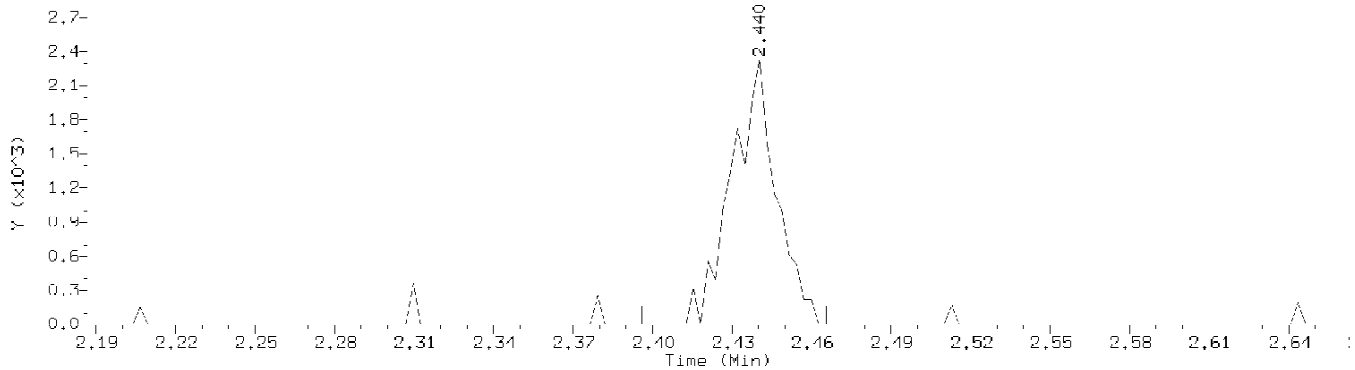
Manually Integrated Ion: 53 Area: 6699 Height: 4521 (02-May-2014 15:45 dengelhardt)



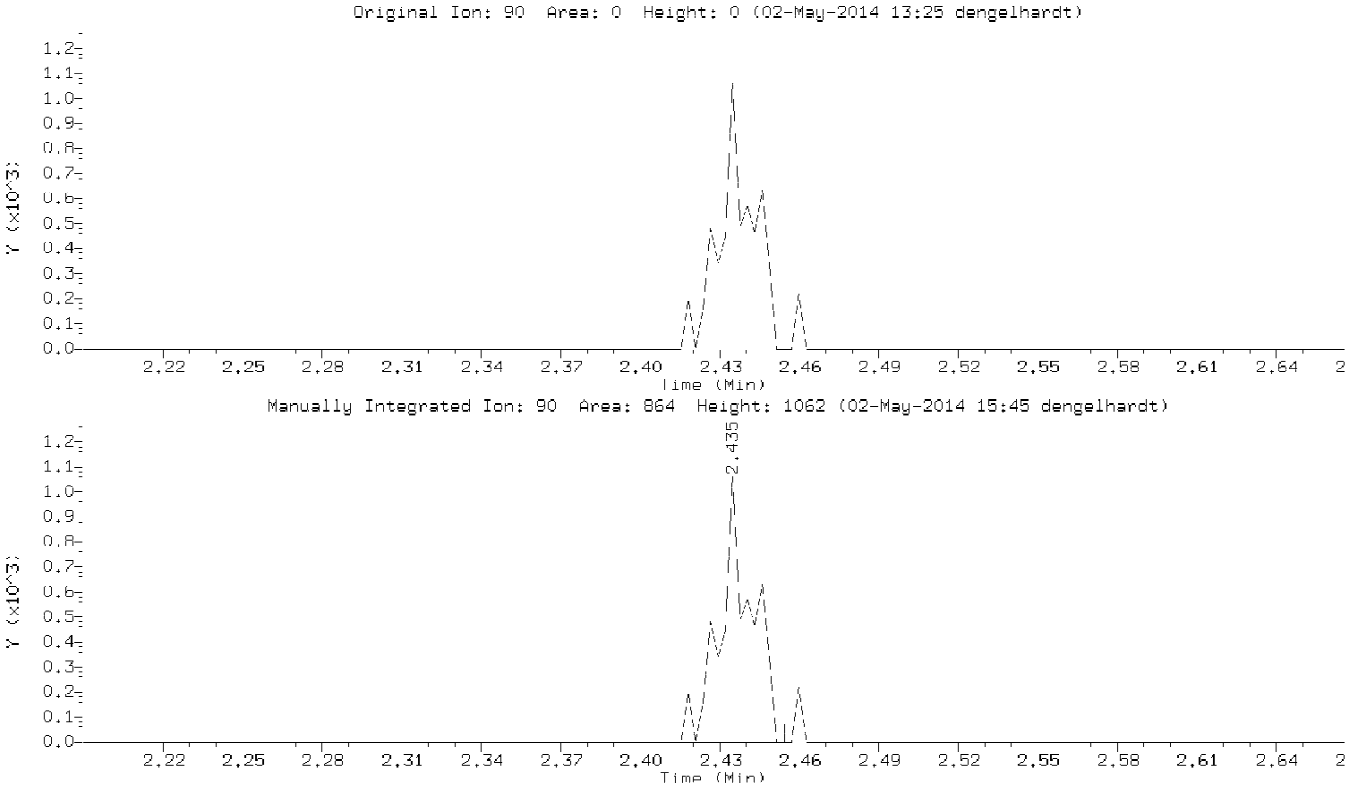
Original Ion: 88 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)



Manually Integrated Ion: 88 Area: 2738 Height: 2341 (02-May-2014 15:45 dengelhardt)



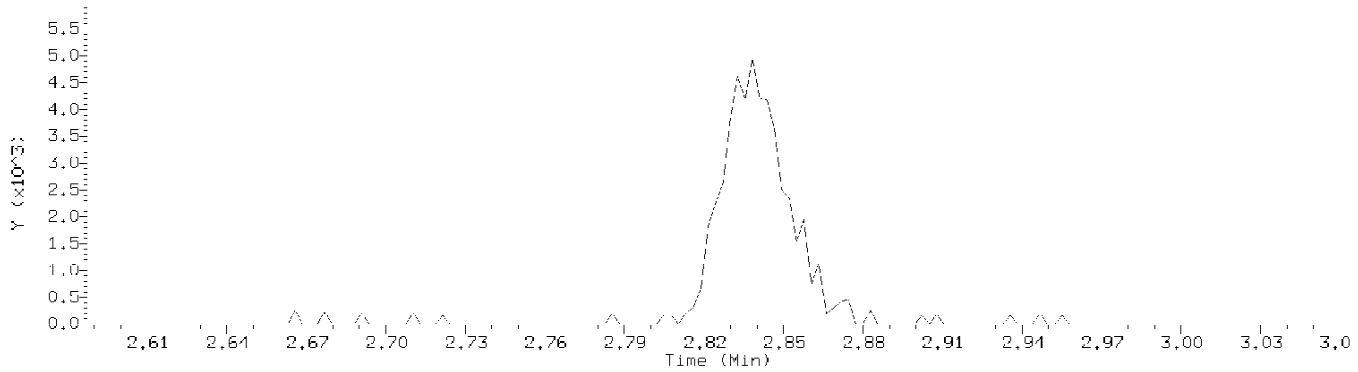
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b04cal3.d
Injection Date: 02-MAY-2014 12:32
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL3,65550:0



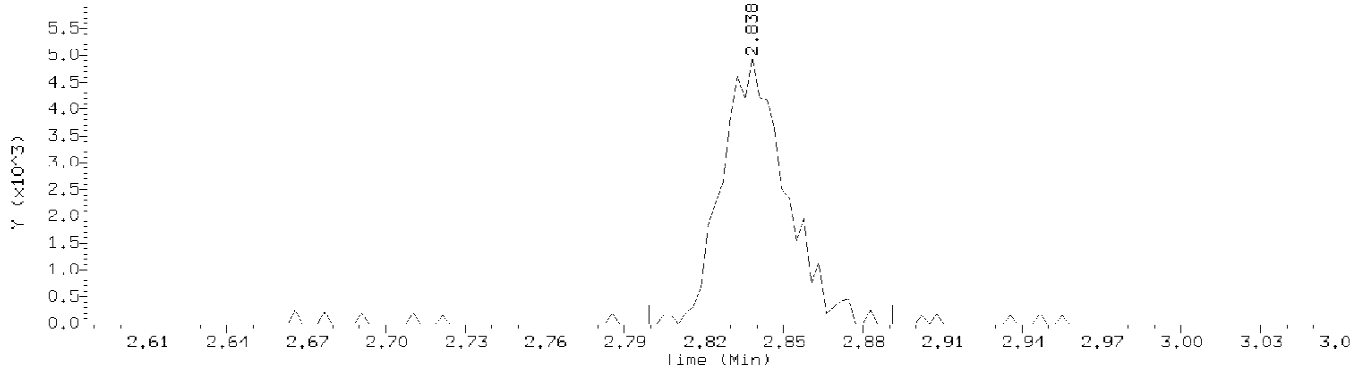
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b04cal3.d
Injection Date: 02-MAY-2014 12:32
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL3,65550:0

Compound: 2-Butanone
CAS Number: 78-93-3

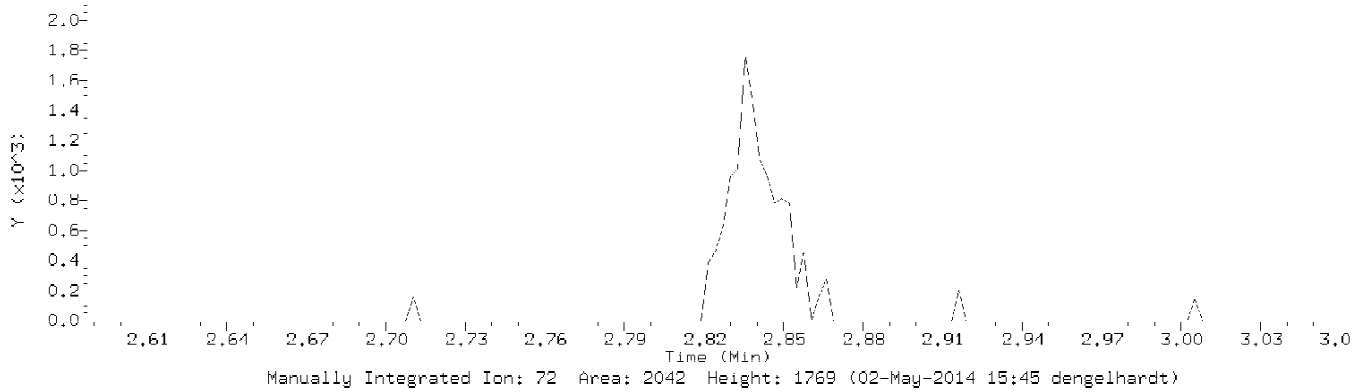
Original Ion: 43 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)



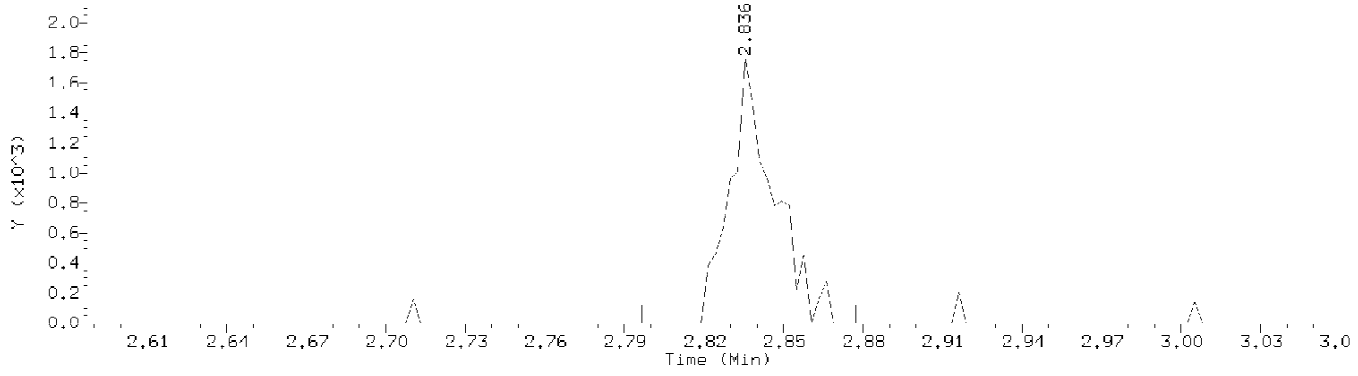
Manually Integrated Ion: 43 Area: 8291 Height: 4957 (02-May-2014 15:45 dengelhardt)



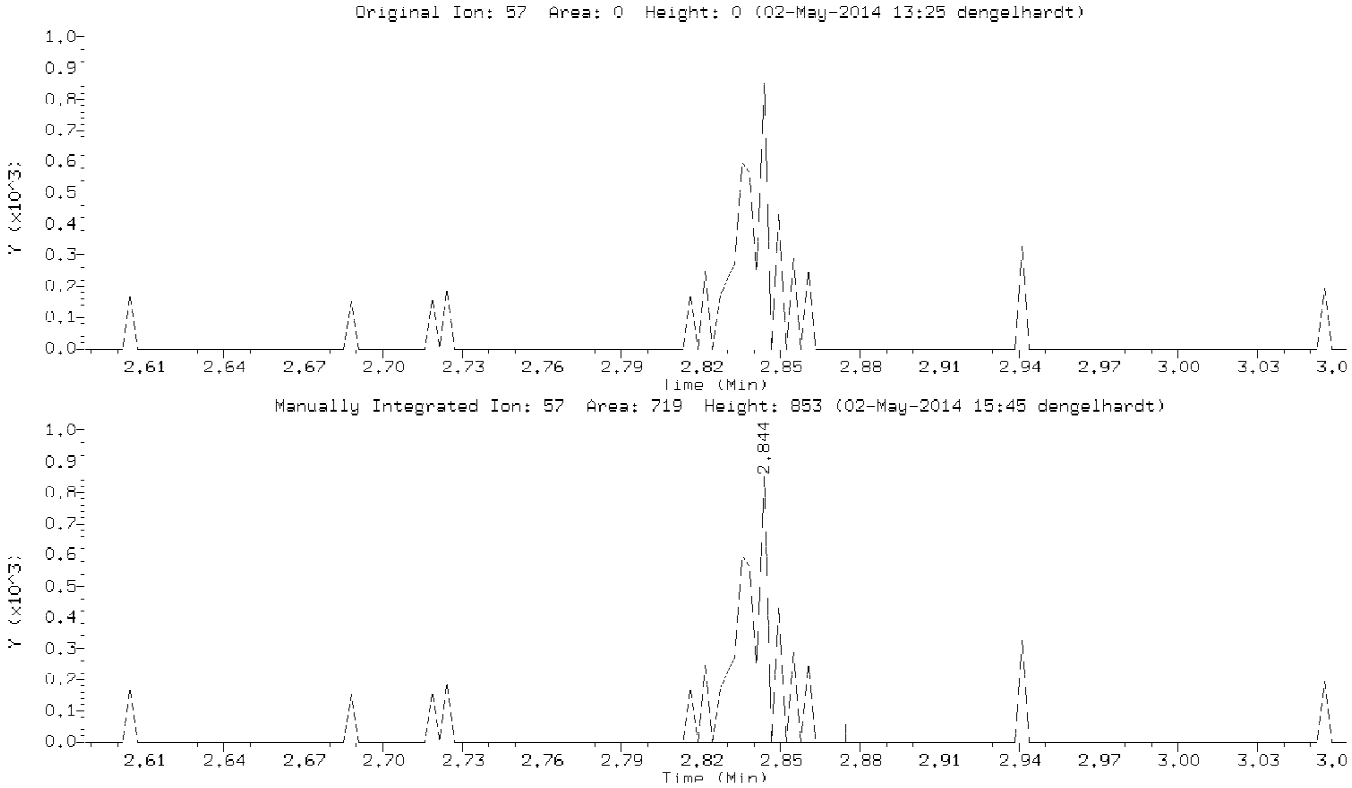
Original Ion: 72 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)



Manually Integrated Ion: 72 Area: 2042 Height: 1769 (02-May-2014 15:45 dengelhardt)



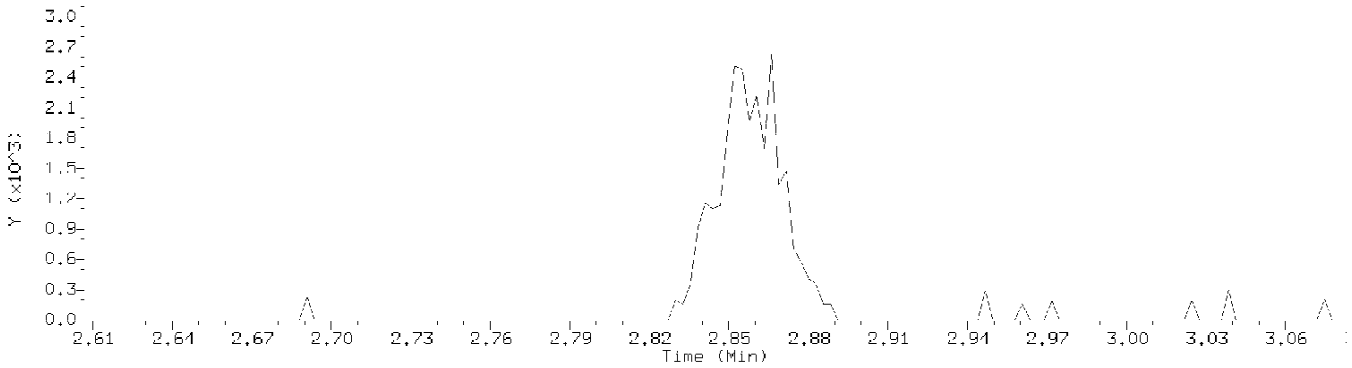
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b04cal3.d
Injection Date: 02-MAY-2014 12:32
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL3,65550:0



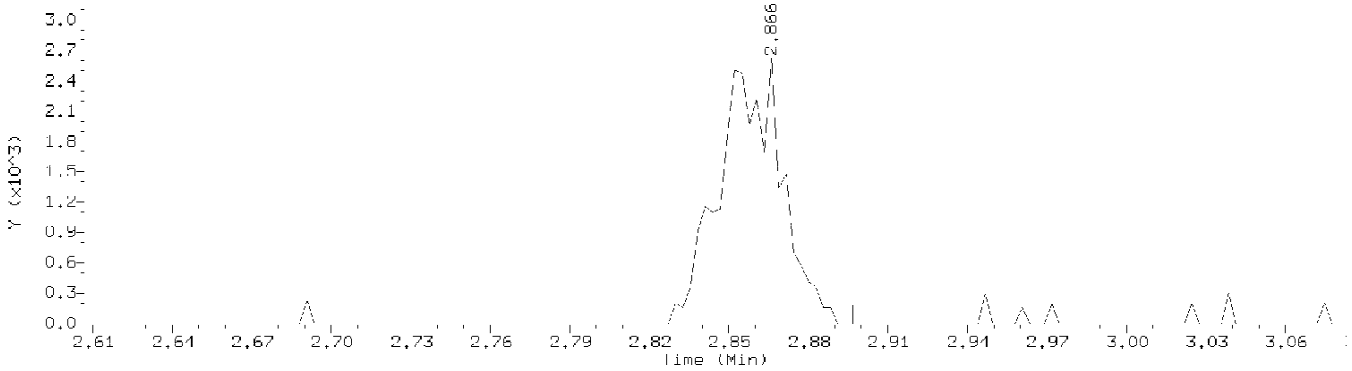
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b04cal3.d
Injection Date: 02-MAY-2014 12:32
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL3,65550:0

Compound: 2,2-Dichloropropane
CAS Number: 594-20-7

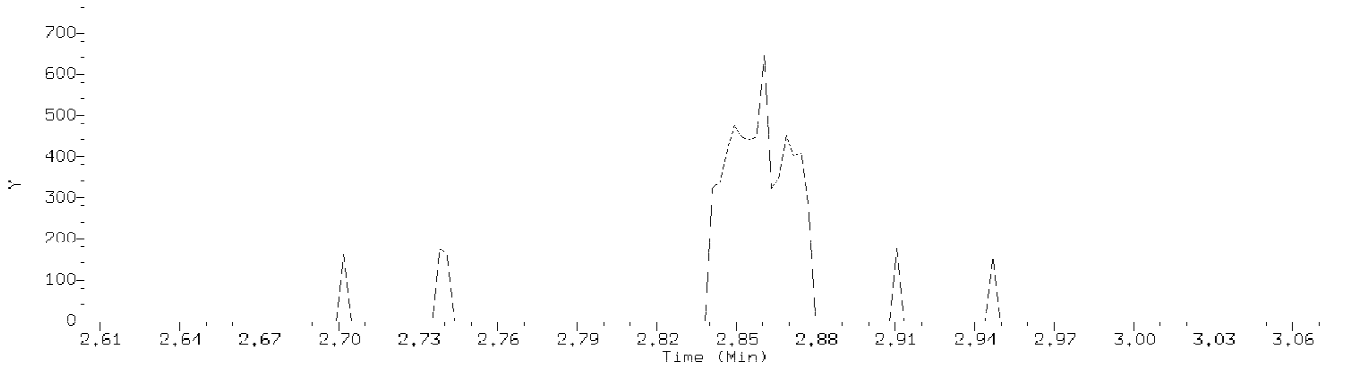
Original Ion: 77 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)



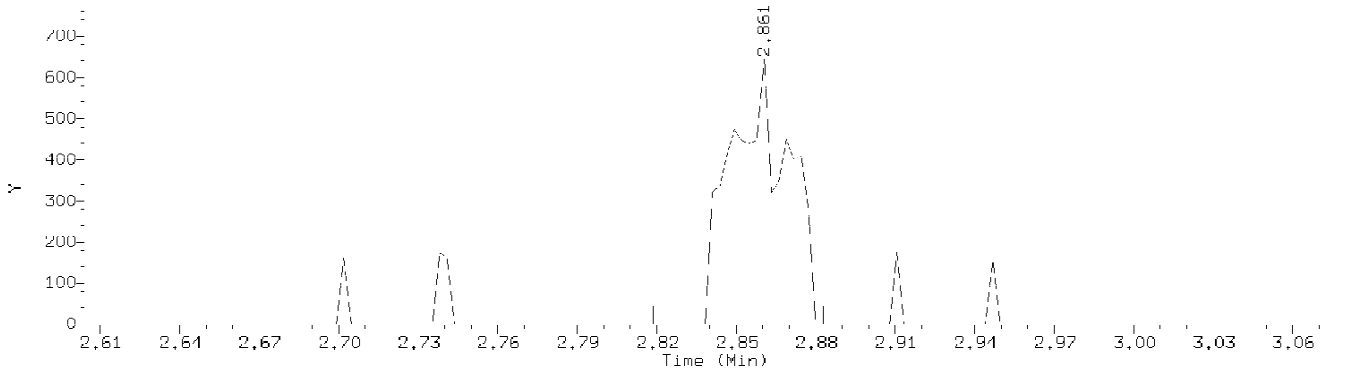
Manually Integrated Ion: 77 Area: 4263 Height: 2627 (02-May-2014 15:45 dengelhardt)



Original Ion: 97 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)



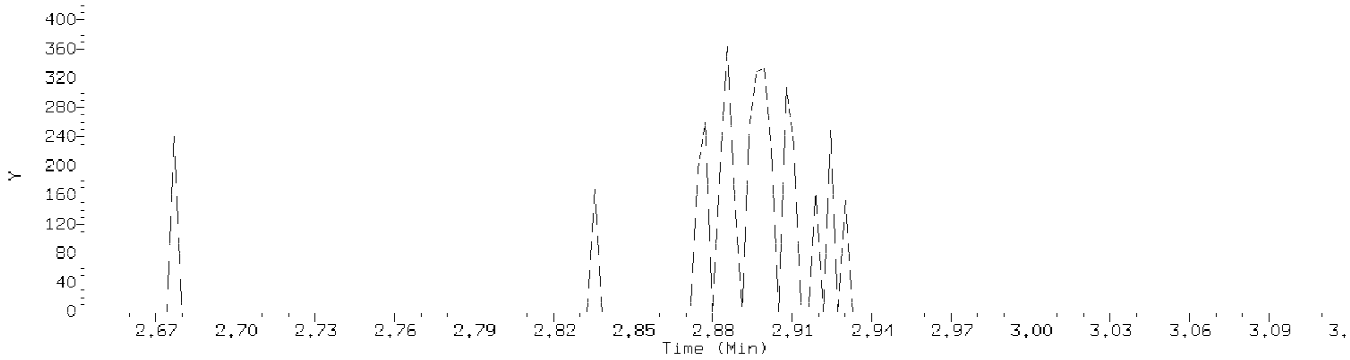
Manually Integrated Ion: 97 Area: 956 Height: 646 (02-May-2014 15:45 dengelhardt)



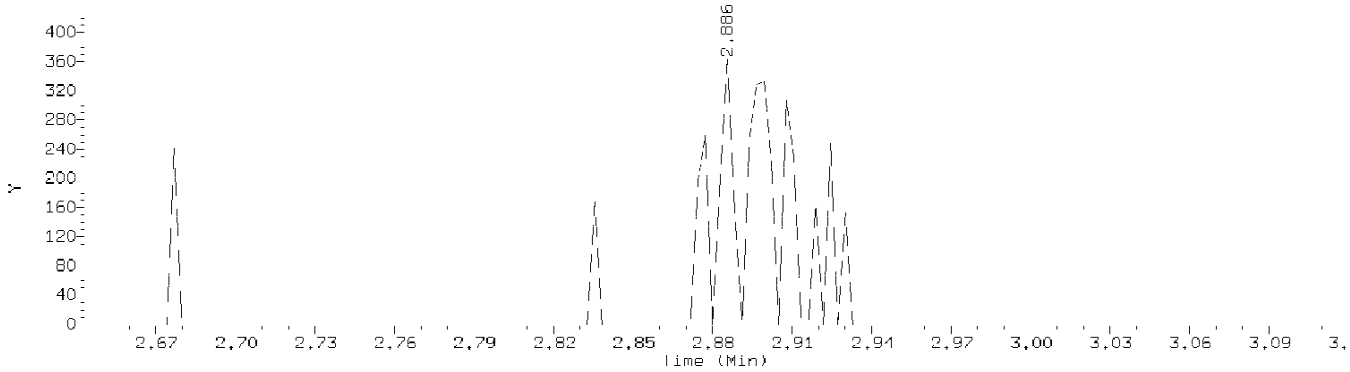
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b04cal3.d
Injection Date: 02-MAY-2014 12:32
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL3,65550:0

Compound: Propionitrile
CAS Number: 107-12-0

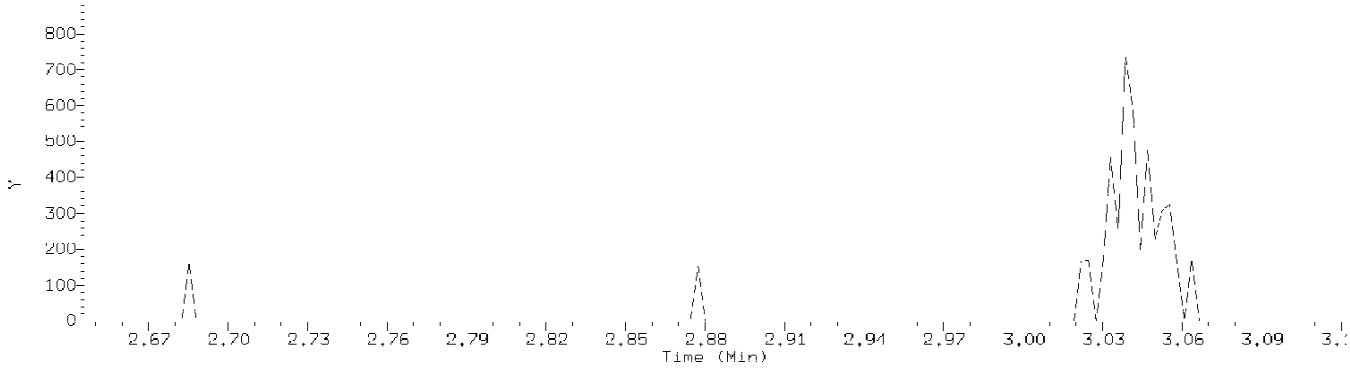
Original Ion: 54 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)



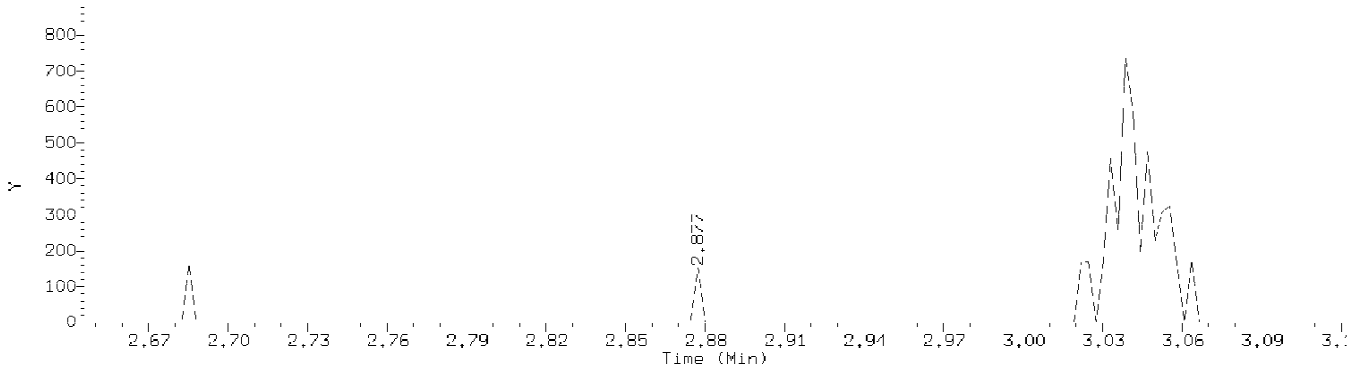
Manually Integrated Ion: 54 Area: 400 Height: 364 (02-May-2014 15:45 dengelhardt)



Original Ion: 52 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)

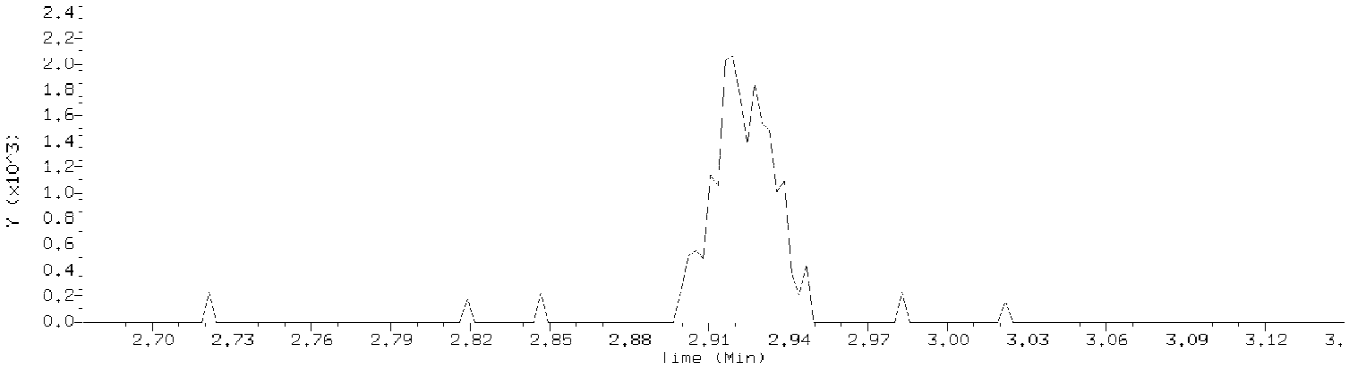


Manually Integrated Ion: 52 Area: 25 Height: 153 (02-May-2014 15:45 dengelhardt)

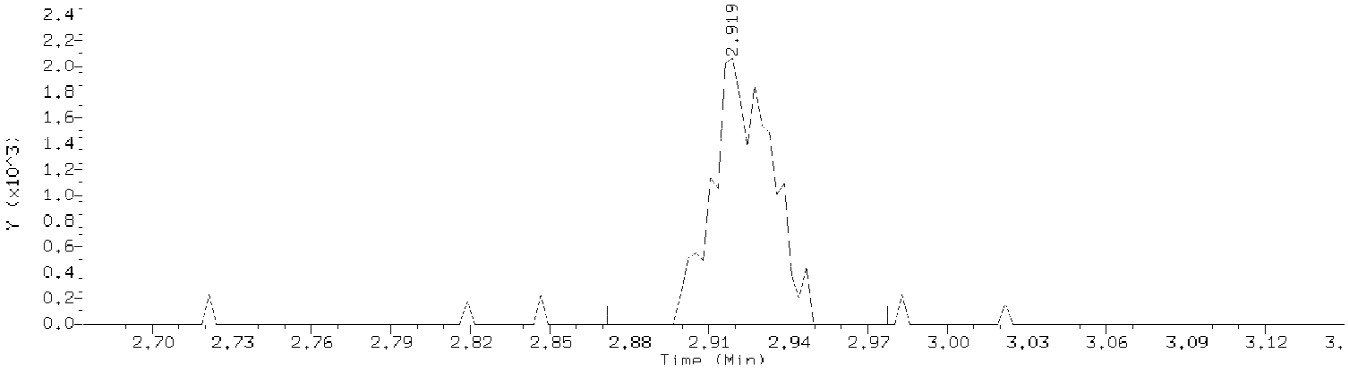


Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b04cal3.d
Injection Date: 02-MAY-2014 12:32
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL3,65550:0

Original Ion: 55 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)



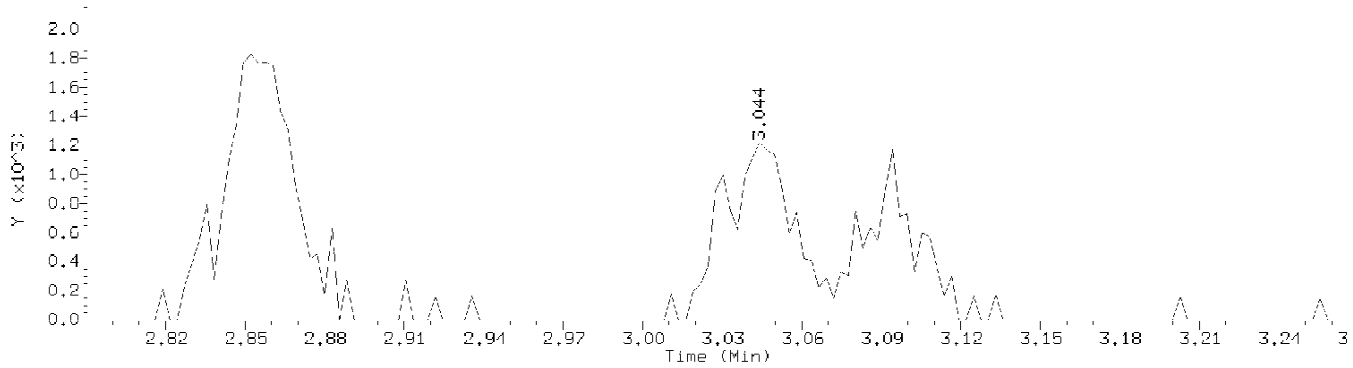
Manually Integrated Ion: 55 Area: 3206 Height: 2064 (02-May-2014 15:45 dengelhardt)



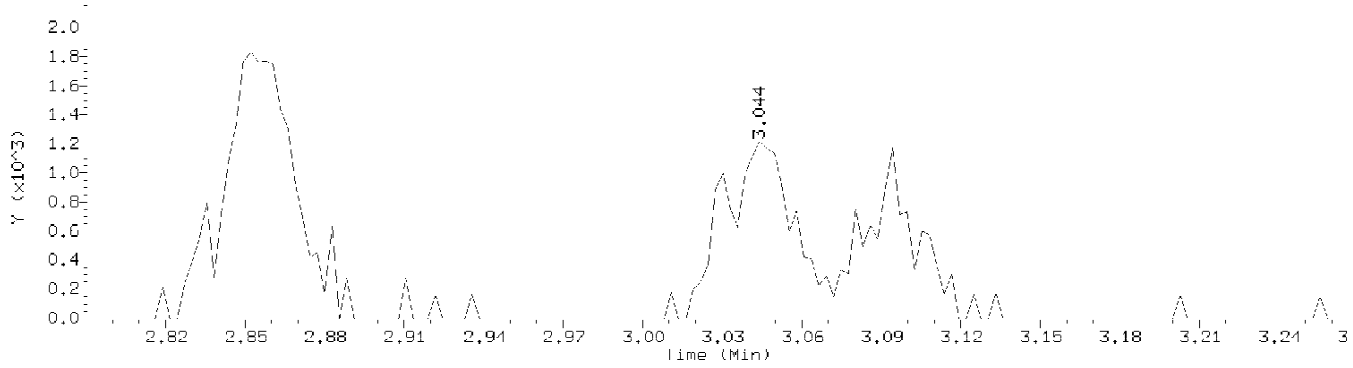
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b04cal3.d
Injection Date: 02-MAY-2014 12:32
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL3,65550:0

Compound: Methacrylonitrile
CAS Number: 126-98-7

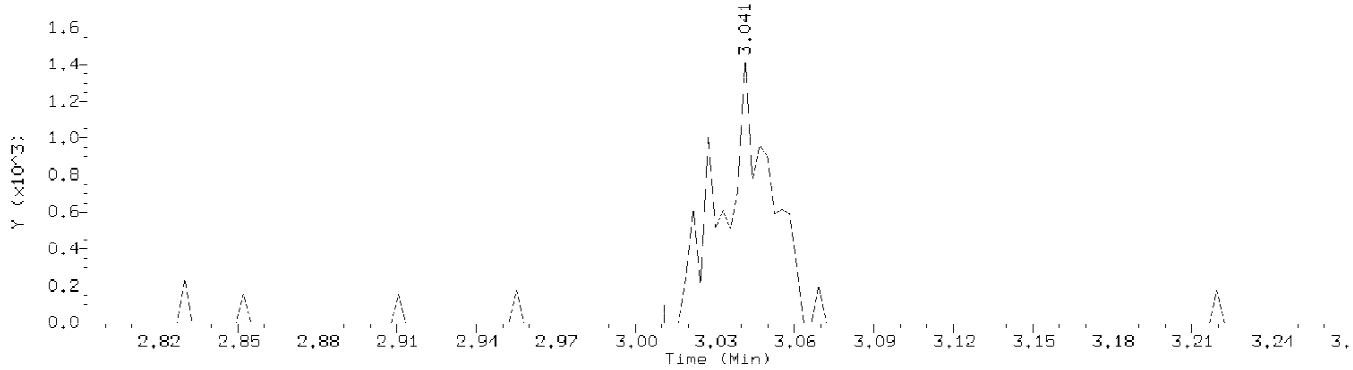
Original Ion: 41 Area: 2205 Height: 1220 (02-May-2014 13:25 dengelhardt)



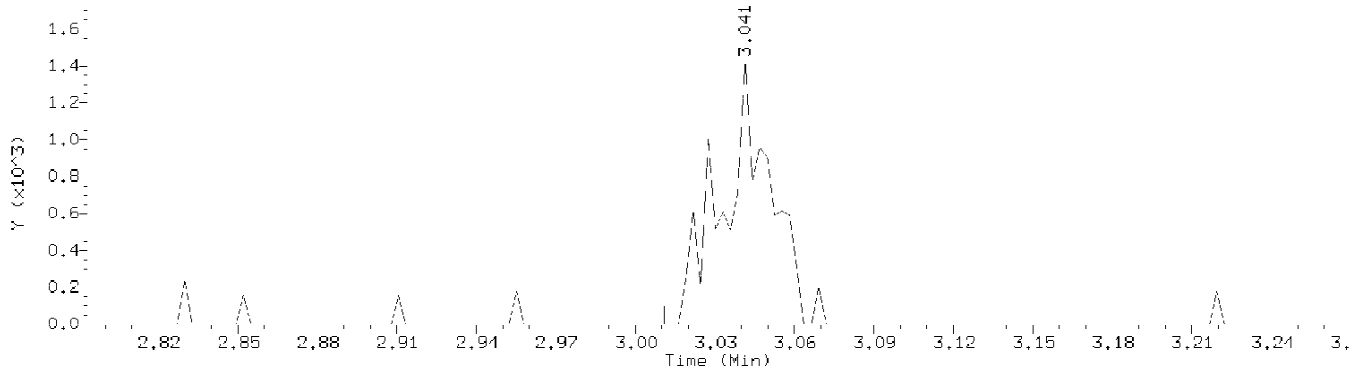
Manually Integrated Ion: 41 Area: 2205 Height: 1220 (02-May-2014 15:45 dengelhardt)



Original Ion: 67 Area: 1774 Height: 1440 (02-May-2014 13:25 dengelhardt)

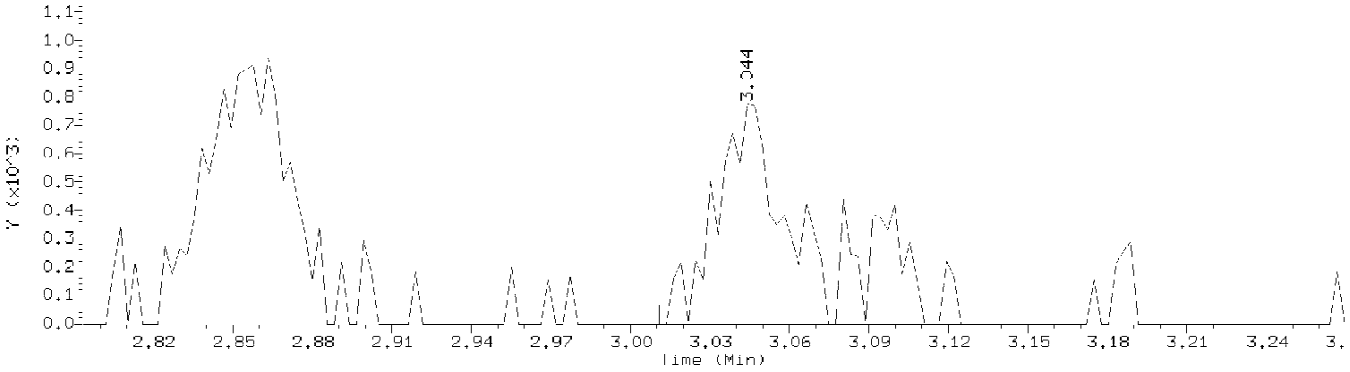


Manually Integrated Ion: 67 Area: 1774 Height: 1440 (02-May-2014 15:45 dengelhardt)

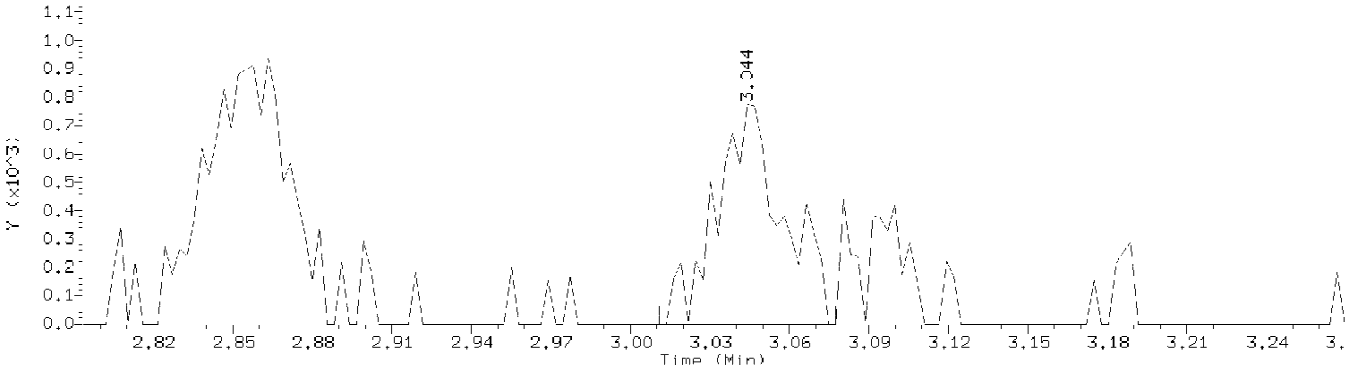


Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b04cal3.d
Injection Date: 02-MAY-2014 12:32
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL3,65550:0

Original Ion: 39 Area: 1938 Height: 777 (02-May-2014 13:25 dengelhardt)

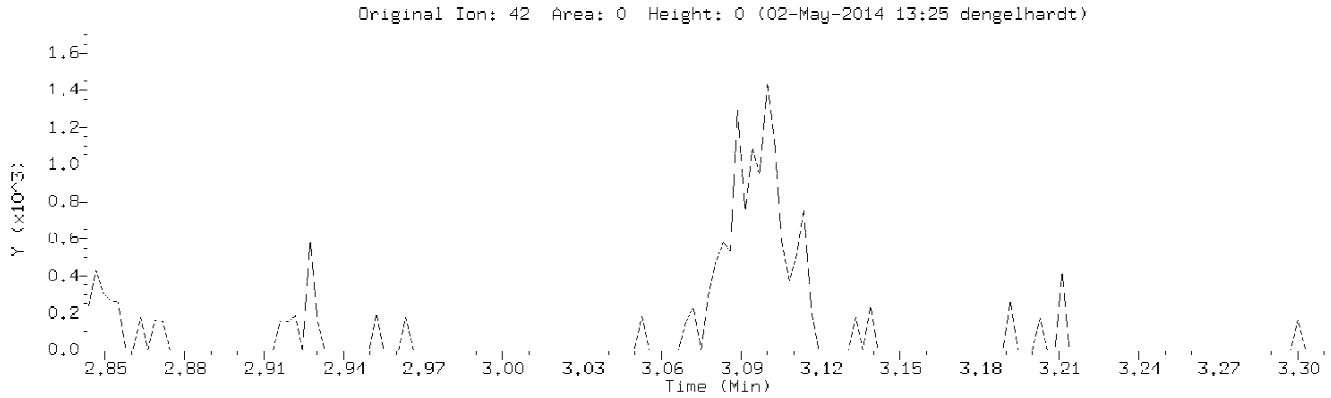


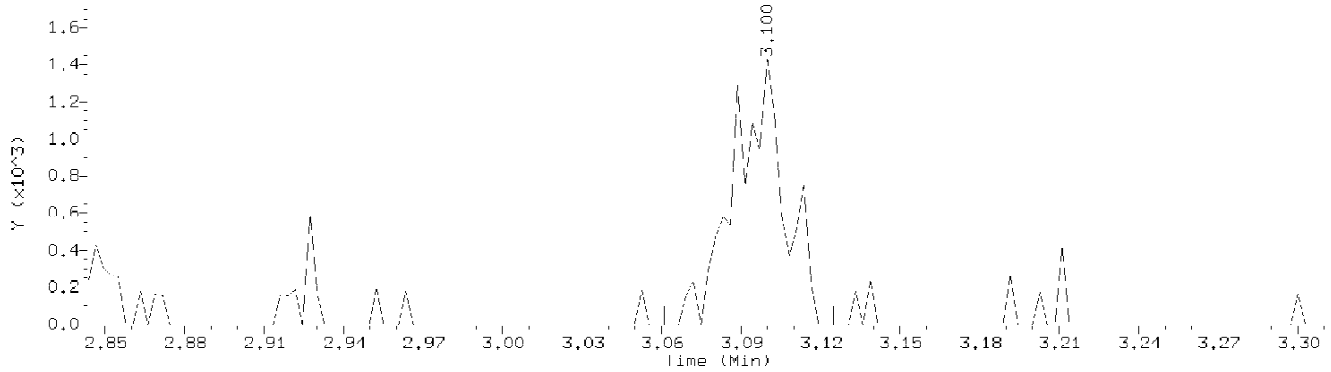
Manually Integrated Ion: 39 Area: 1364 Height: 777 (02-May-2014 15:45 dengelhardt)

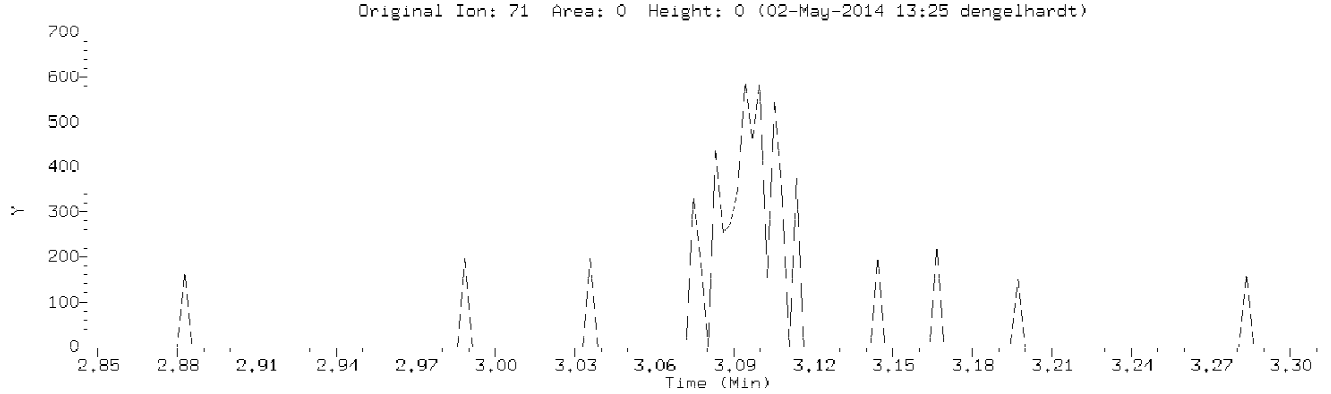


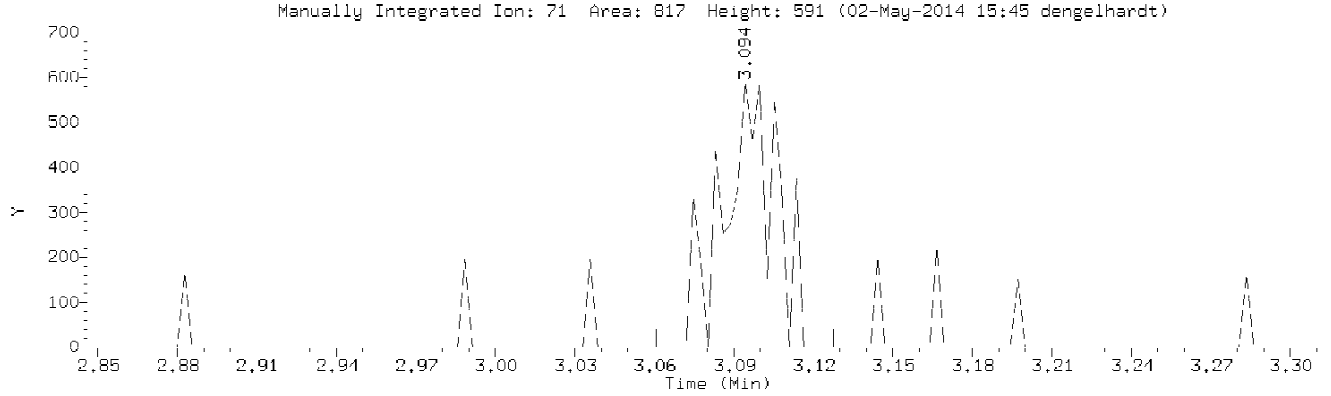
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b04cal3.d
Injection Date: 02-MAY-2014 12:32
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL3,65550:0

Compound: Tetrahydrofuran
CAS Number:



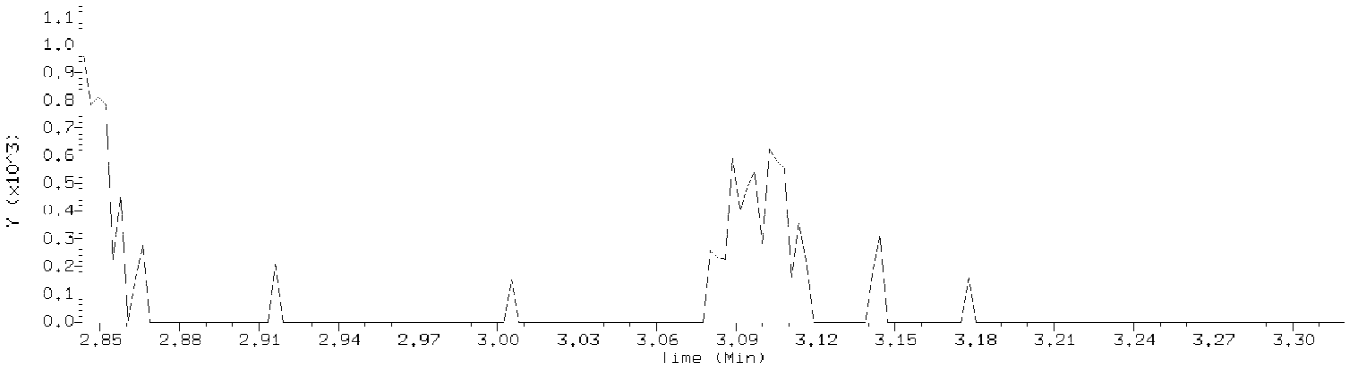




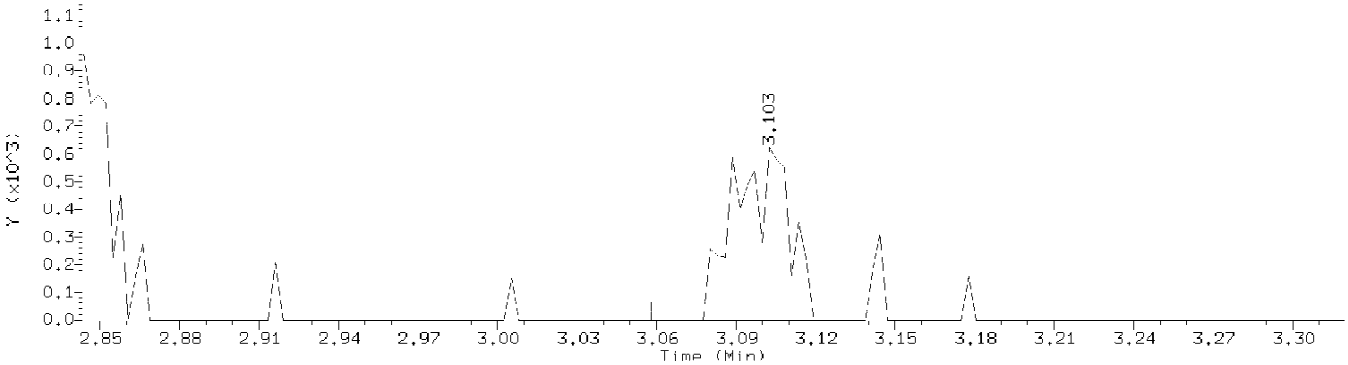


Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b04cal3.d
Injection Date: 02-MAY-2014 12:32
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL3,65550:0

Original Ion: 72 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)



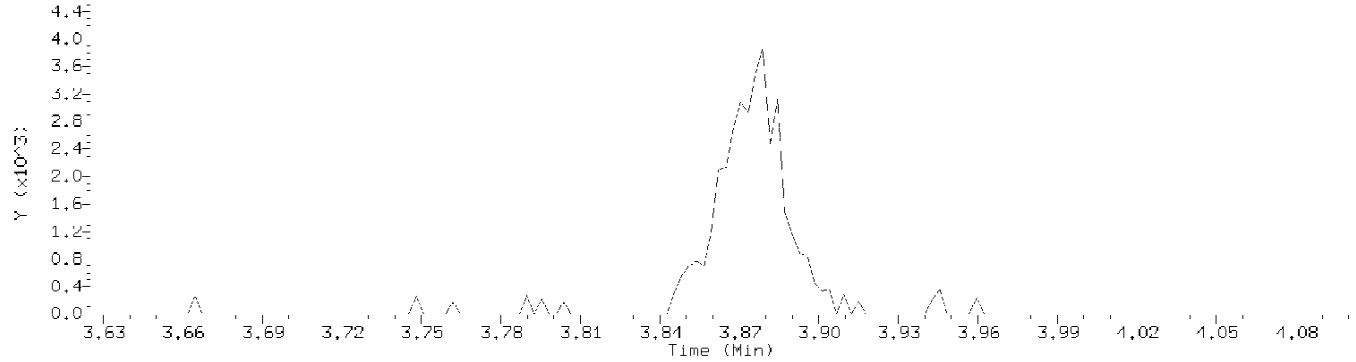
Manually Integrated Ion: 72 Area: 918 Height: 622 (02-May-2014 15:45 dengelhardt)



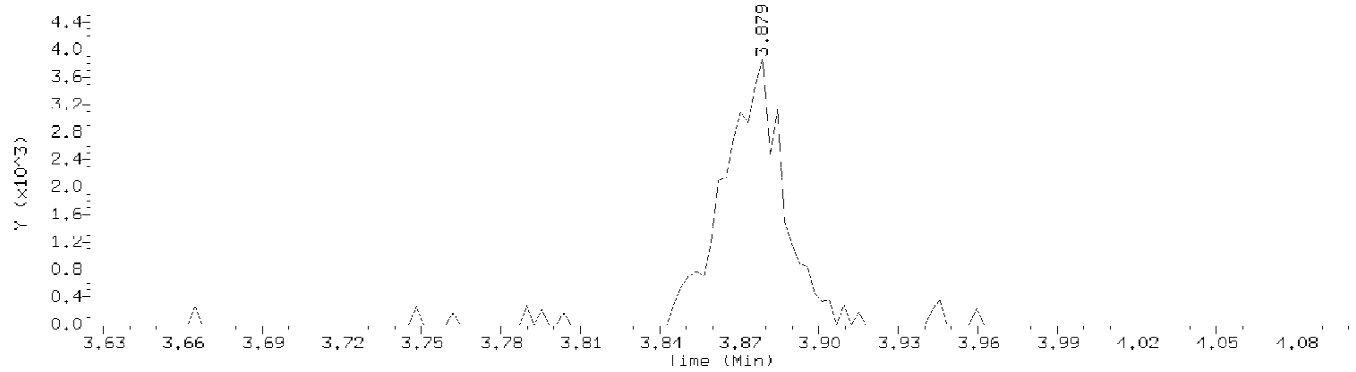
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b04cal3.d
Injection Date: 02-MAY-2014 12:32
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL3,65550:0

Compound: 1,2-Dichloroethane
CAS Number: 107-06-2

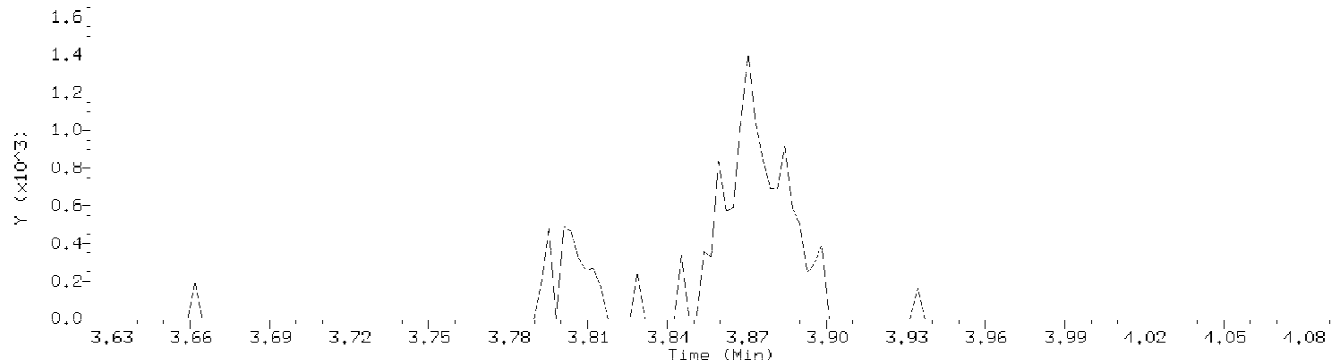
Original Ion: 62 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)



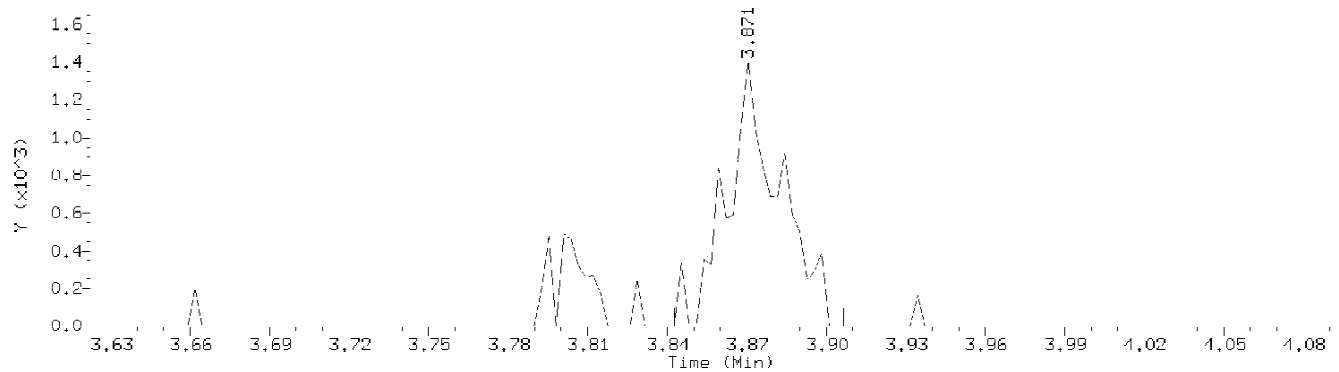
Manually Integrated Ion: 62 Area: 6036 Height: 3868 (02-May-2014 15:45 dengelhardt)



Original Ion: 64 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)

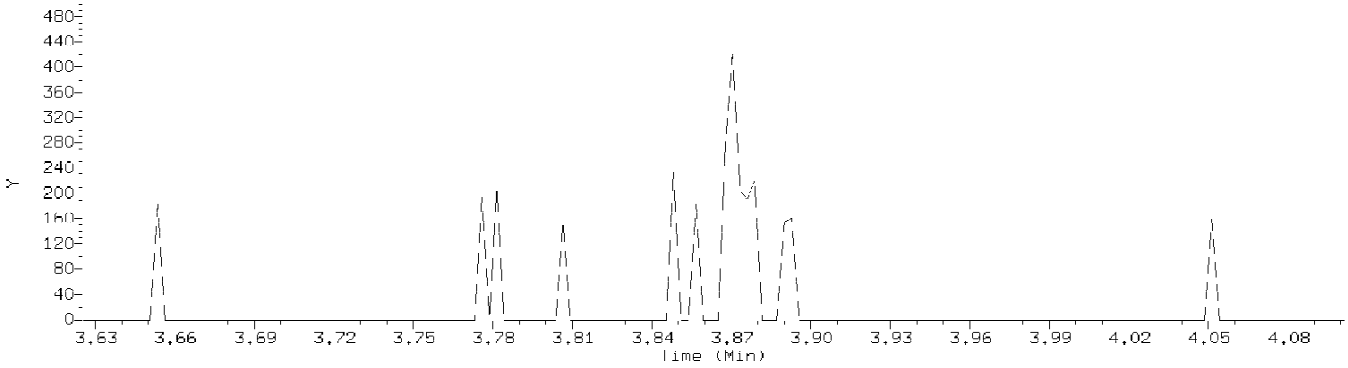


Manually Integrated Ion: 64 Area: 1954 Height: 1410 (02-May-2014 15:45 dengelhardt)

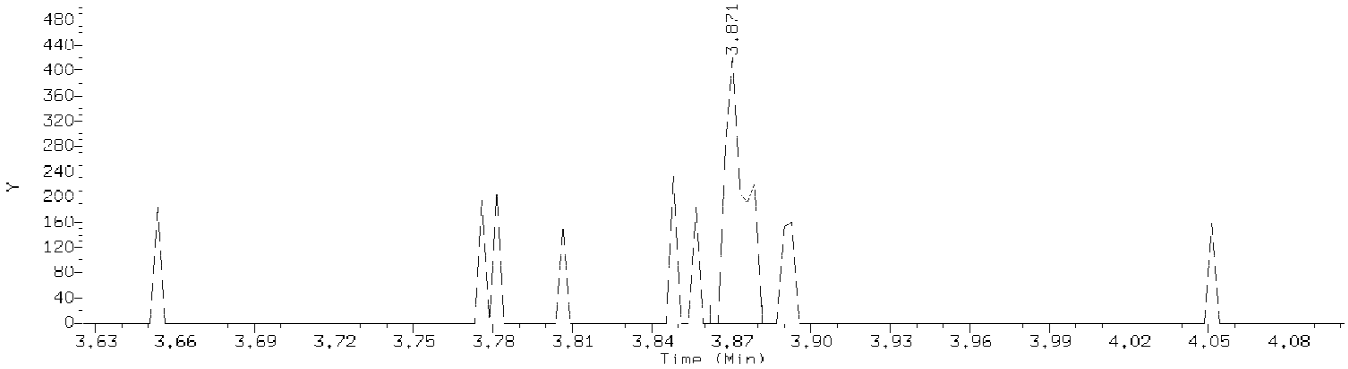


Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b04cal3.d
Injection Date: 02-MAY-2014 12:32
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL3,65550:0

Original Ion: 98 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)



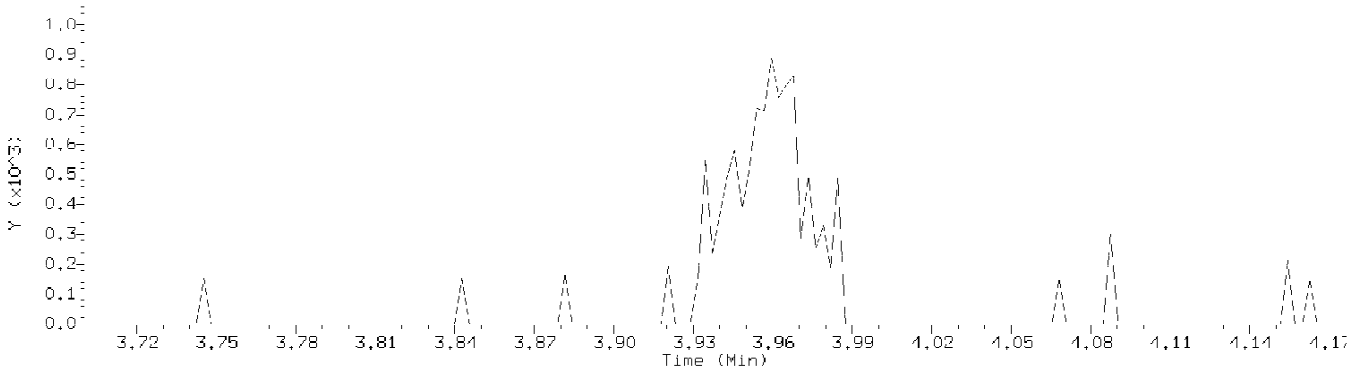
Manually Integrated Ion: 98 Area: 219 Height: 421 (02-May-2014 15:45 dengelhardt)



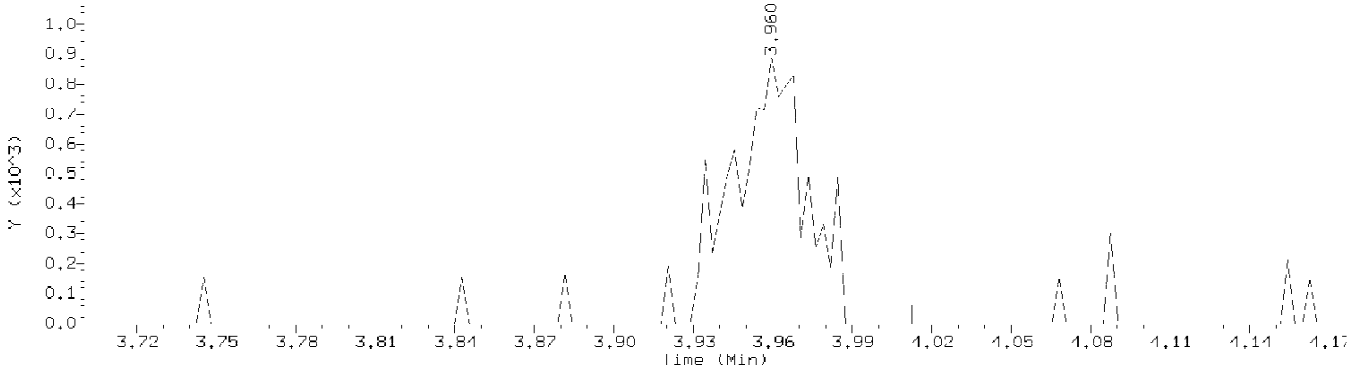
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b04cal3.d
Injection Date: 02-MAY-2014 12:32
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL3,65550:0

Compound: Isobutyl alcohol
CAS Number: 78-83-1

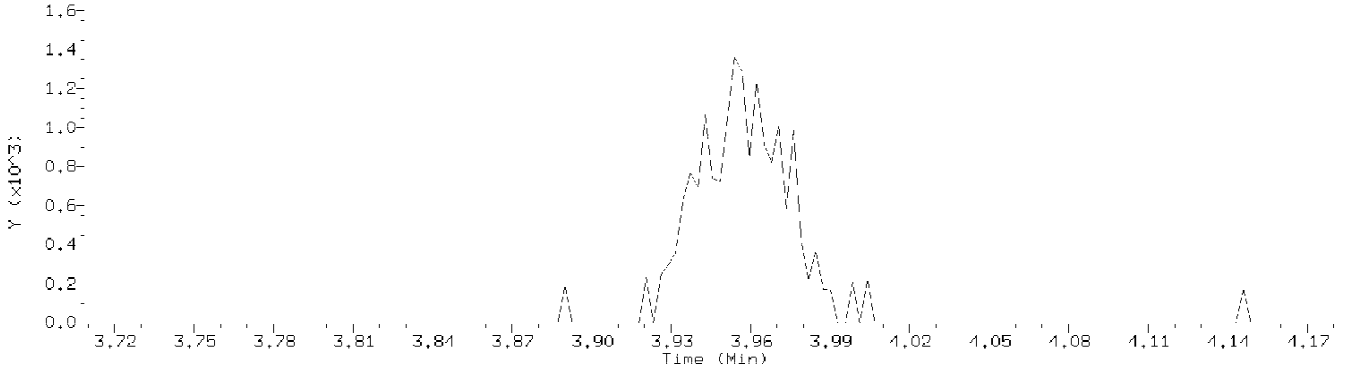
Original Ion: 43 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)



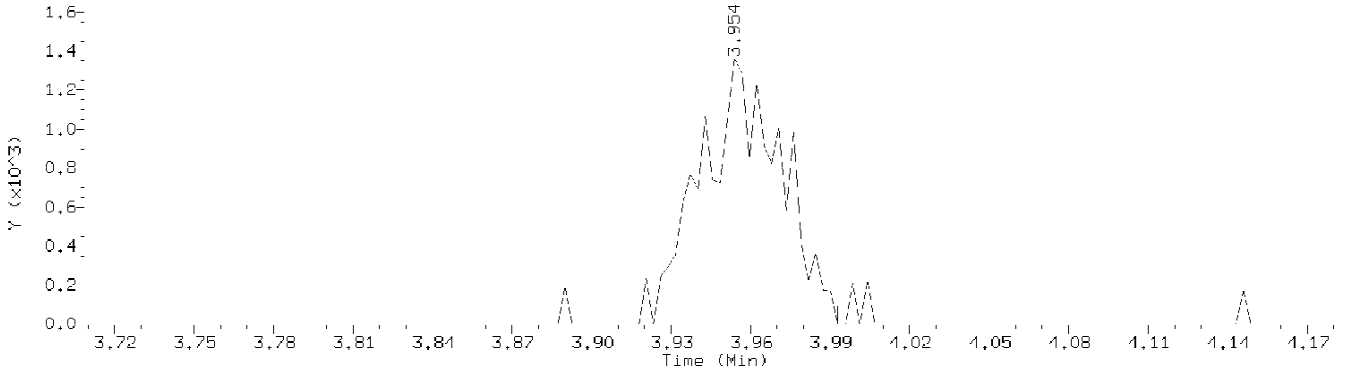
Manually Integrated Ion: 43 Area: 1676 Height: 888 (02-May-2014 15:45 dengelhardt)



Original Ion: 41 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)

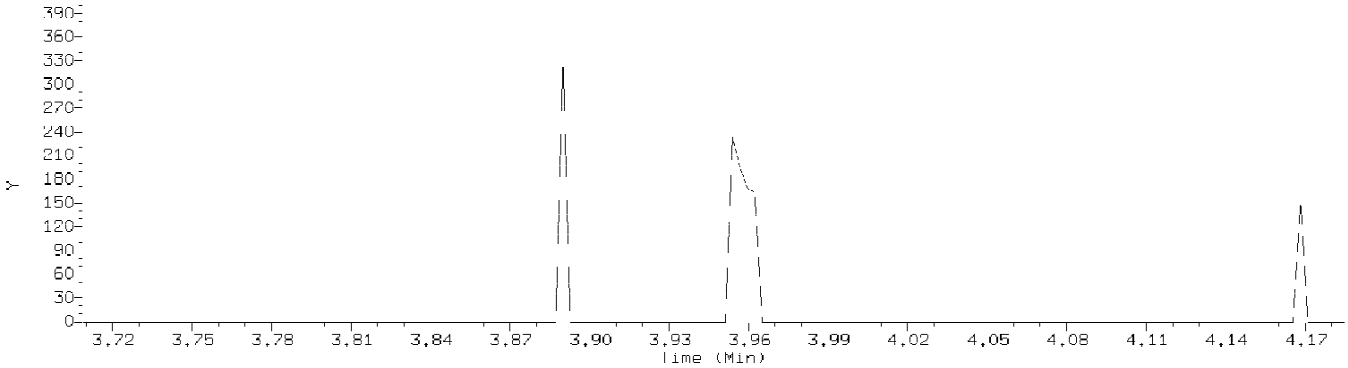


Manually Integrated Ion: 41 Area: 2875 Height: 1363 (02-May-2014 15:45 dengelhardt)

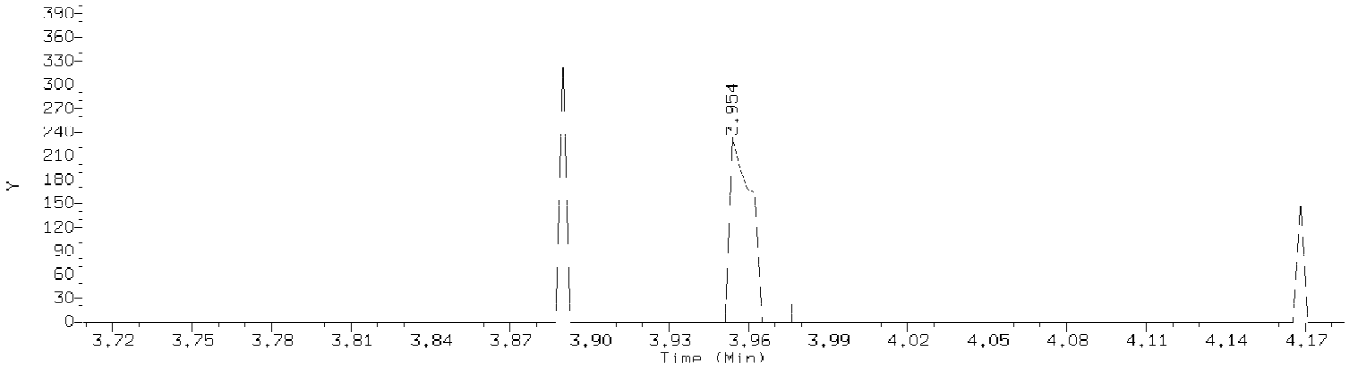


Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b04cal3.d
Injection Date: 02-MAY-2014 12:32
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL3,65550:0

Original Ion: 42 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)



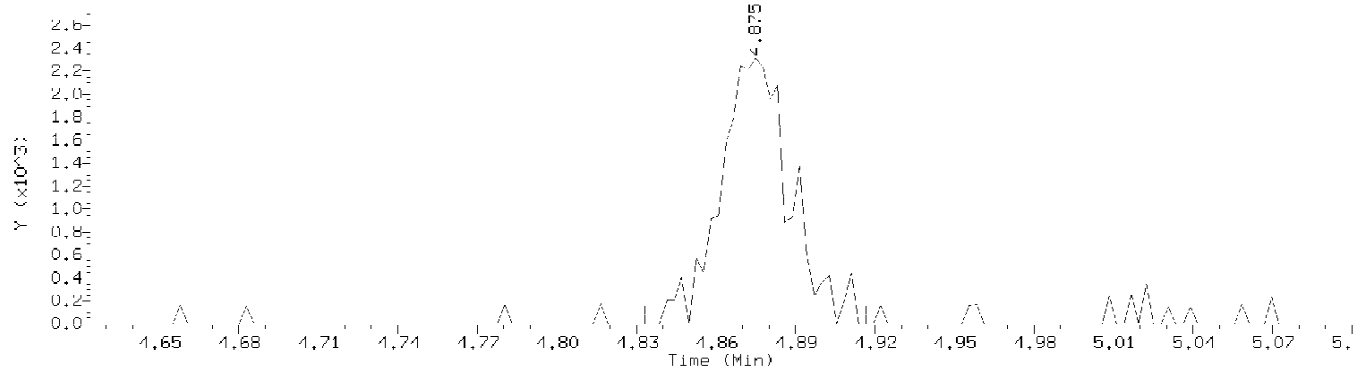
Manually Integrated Ion: 42 Area: 126 Height: 233 (02-May-2014 15:45 dengelhardt)



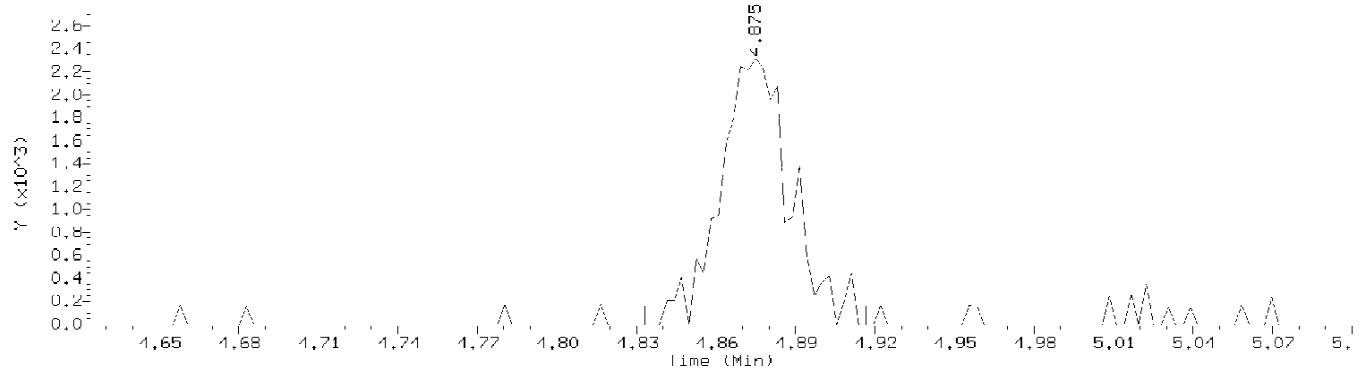
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b04cal3.d
Injection Date: 02-MAY-2014 12:32
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL3,65550:0

Compound: Methylcyclohexane
CAS Number: 108-87-2

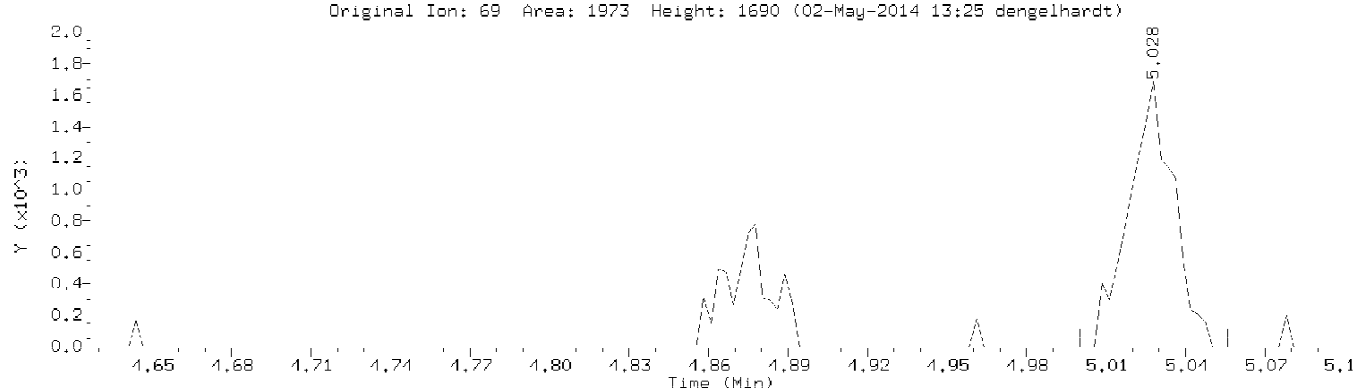
Original Ion: 55 Area: 4273 Height: 2314 (02-May-2014 13:25 dengelhardt)



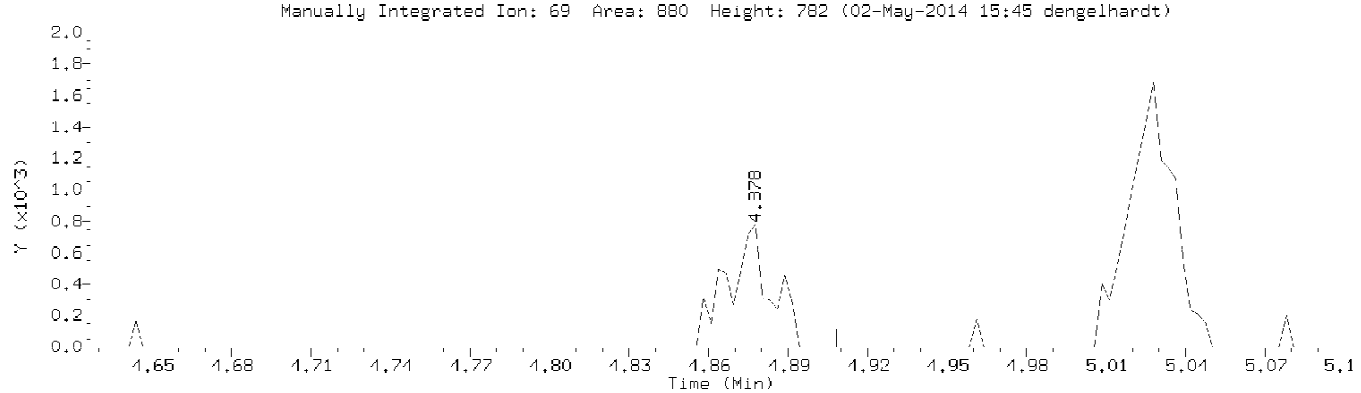
Manually Integrated Ion: 55 Area: 4273 Height: 2314 (02-May-2014 15:45 dengelhardt)



Original Ion: 69 Area: 1973 Height: 1690 (02-May-2014 13:25 dengelhardt)

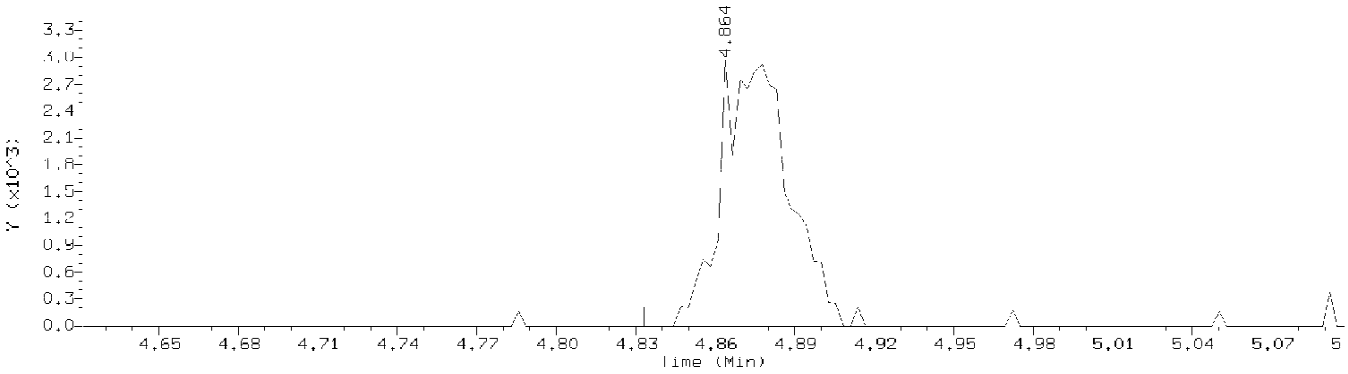


Manually Integrated Ion: 69 Area: 880 Height: 782 (02-May-2014 15:45 dengelhardt)

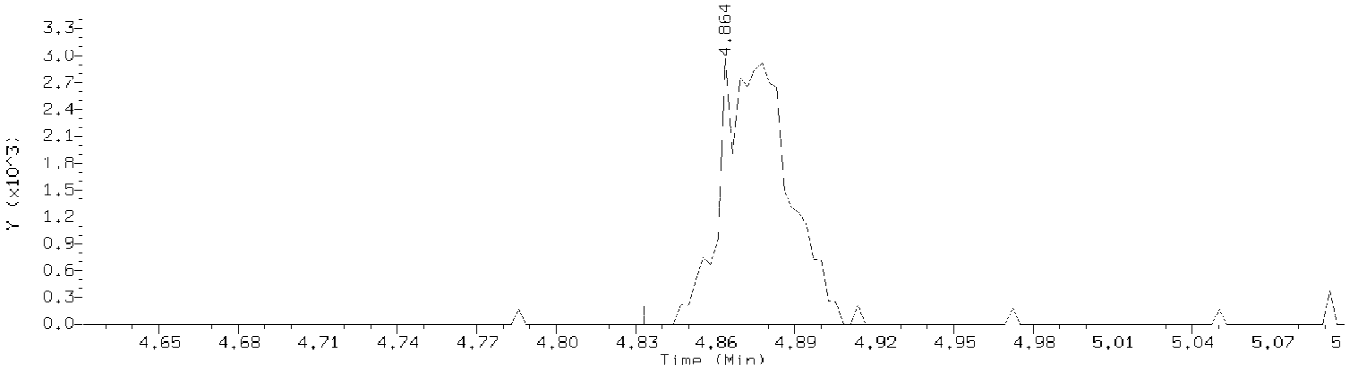


Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b04cal3.d
Injection Date: 02-MAY-2014 12:32
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL3,65550:0

Original Ion: 83 Area: 5330 Height: 2969 (02-May-2014 13:25 dengelhardt)



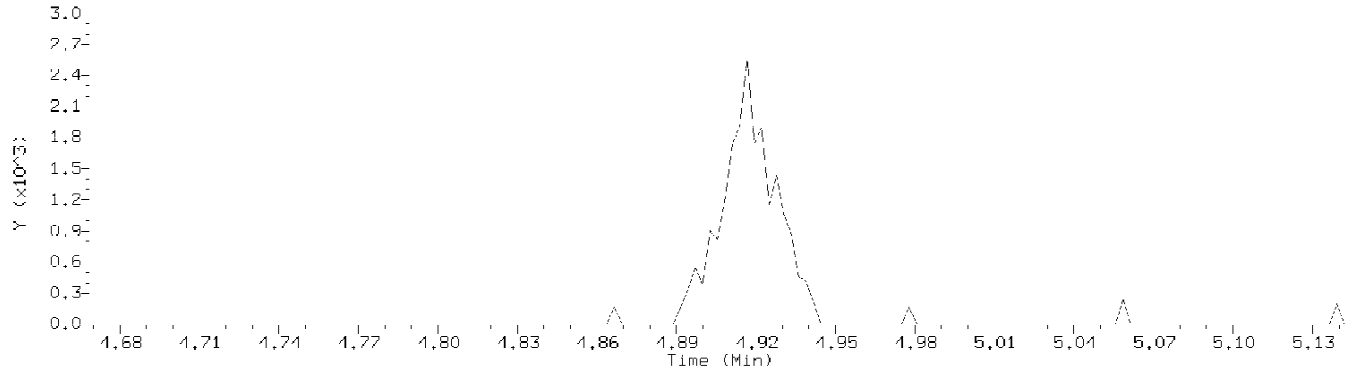
Manually Integrated Ion: 83 Area: 5330 Height: 2969 (02-May-2014 15:45 dengelhardt)



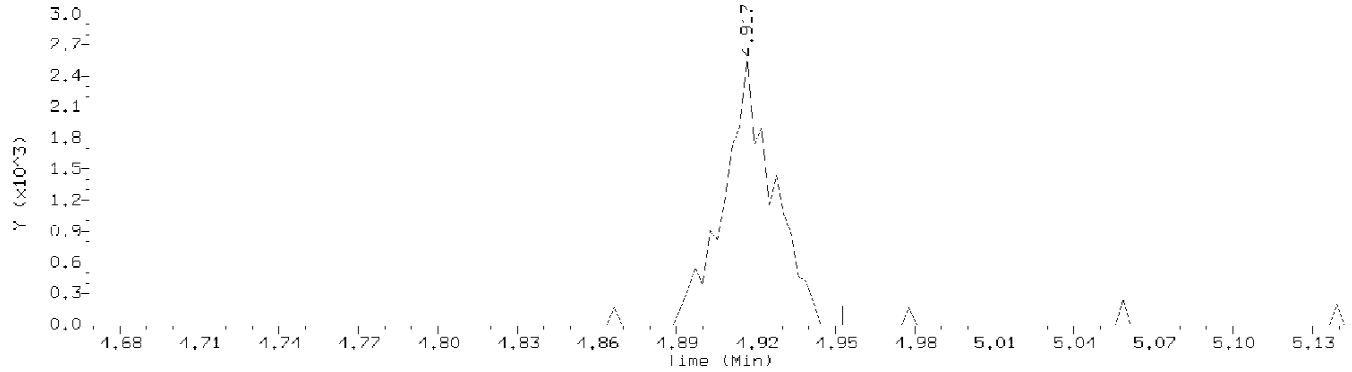
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b04cal3.d
Injection Date: 02-MAY-2014 12:32
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL3,65550:0

Compound: 1,2-Dichloropropane
CAS Number: 78-87-5

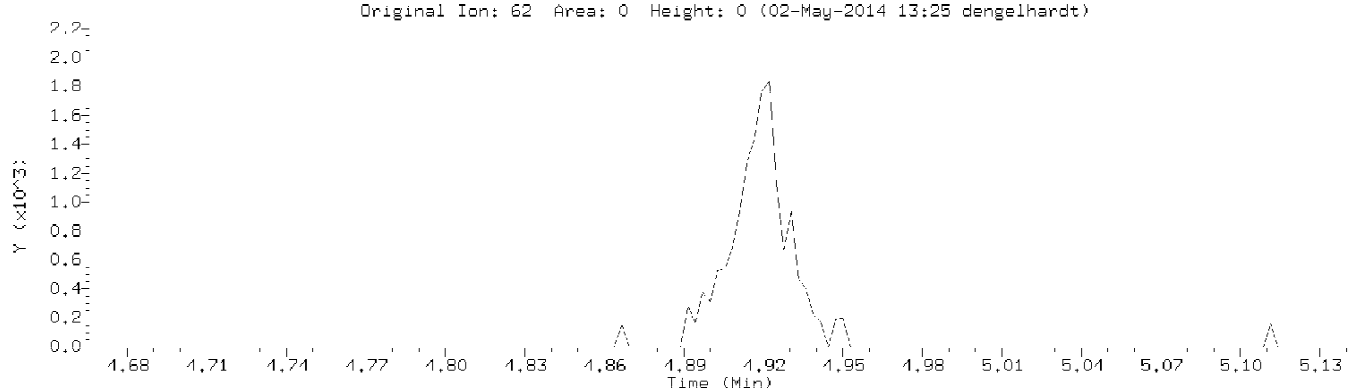
Original Ion: 63 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)



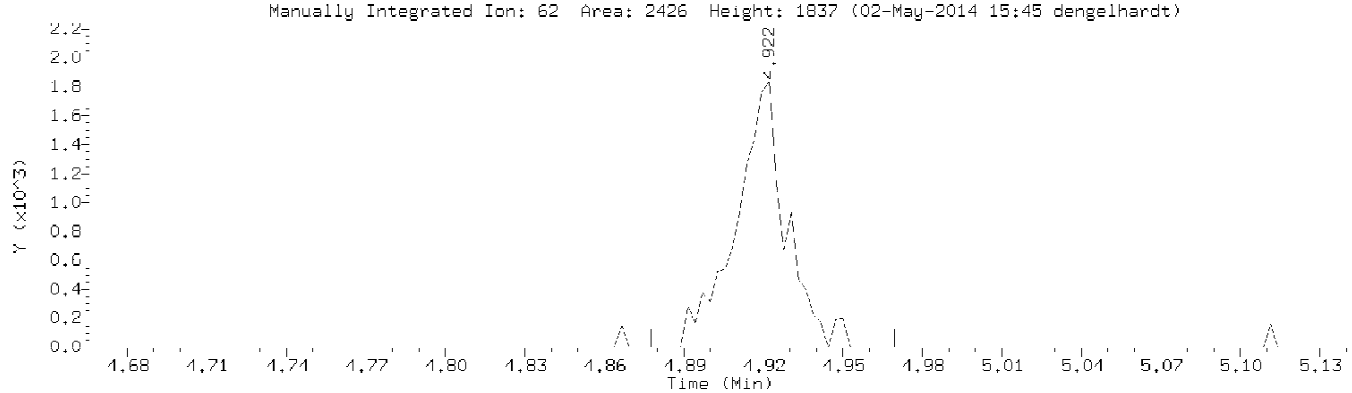
Manually Integrated Ion: 63 Area: 3308 Height: 2566 (02-May-2014 15:45 dengelhardt)



Original Ion: 62 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)

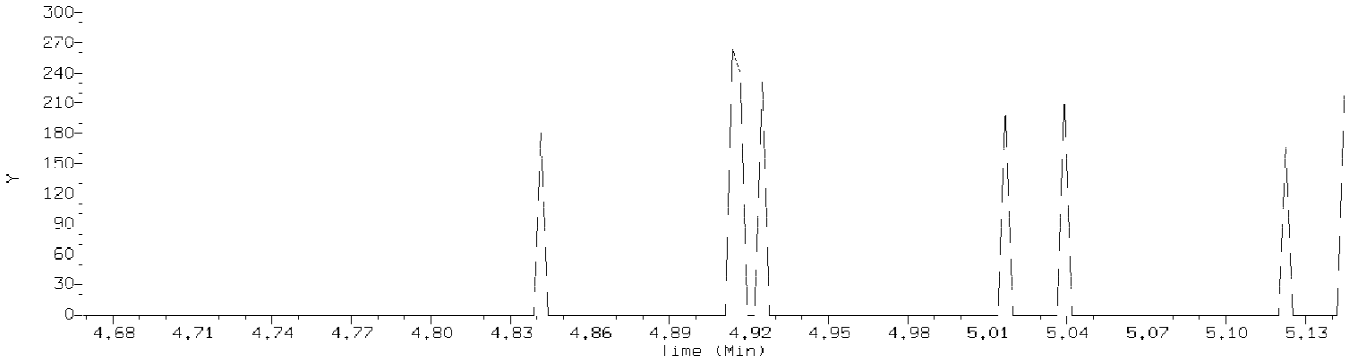


Manually Integrated Ion: 62 Area: 2426 Height: 1837 (02-May-2014 15:45 dengelhardt)

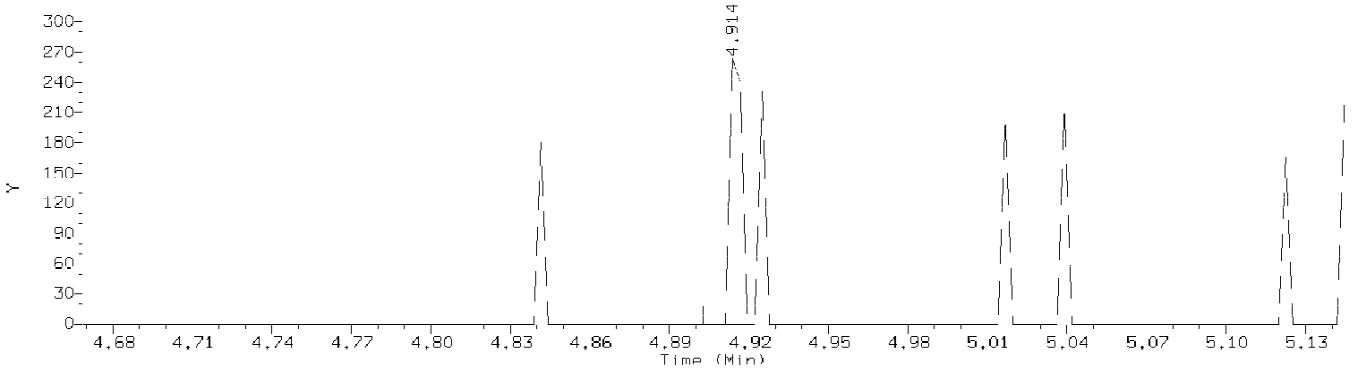


Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b04cal3.d
Injection Date: 02-MAY-2014 12:32
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL3,65550:0

Original Ion: 112 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)



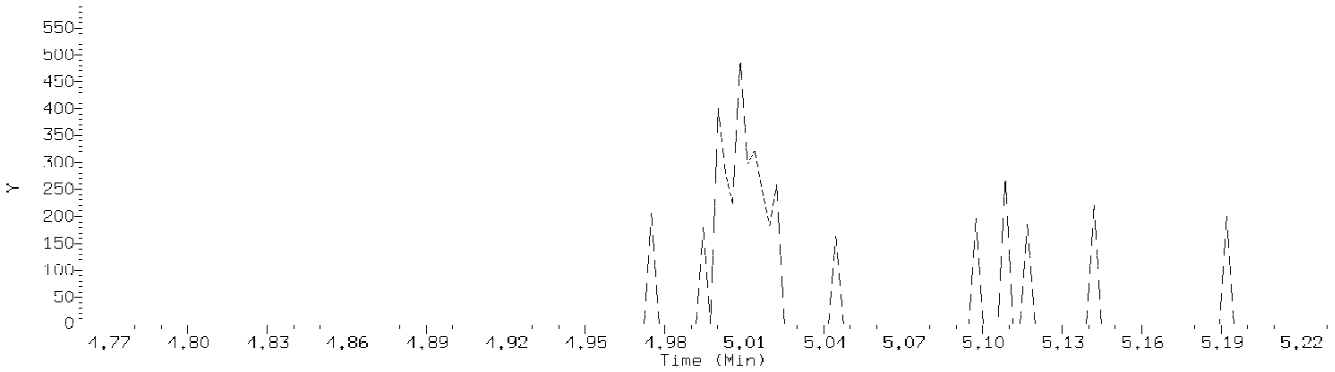
Manually Integrated Ion: 112 Area: 84 Height: 264 (02-May-2014 15:45 dengelhardt)



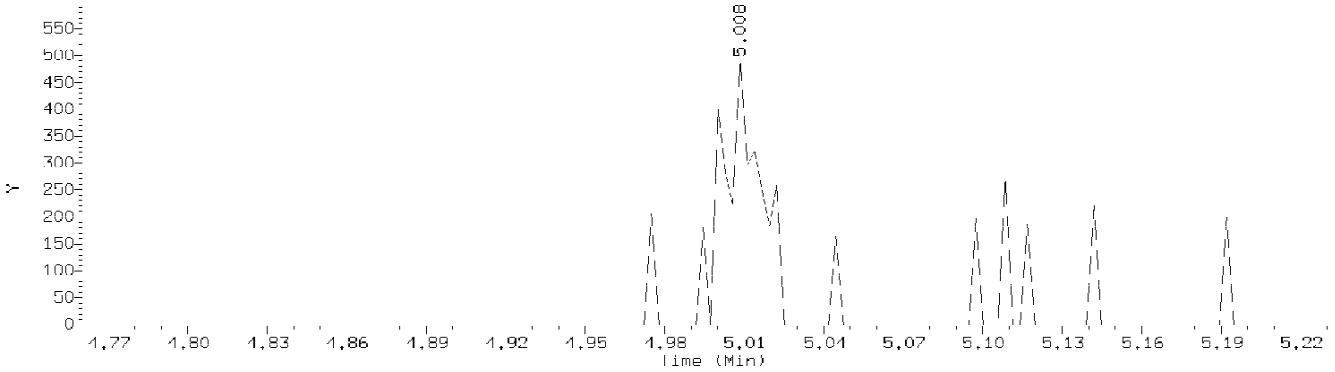
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b04cal3.d
Injection Date: 02-MAY-2014 12:32
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL3,65550:0

Compound: 1,4-Dioxane
CAS Number:

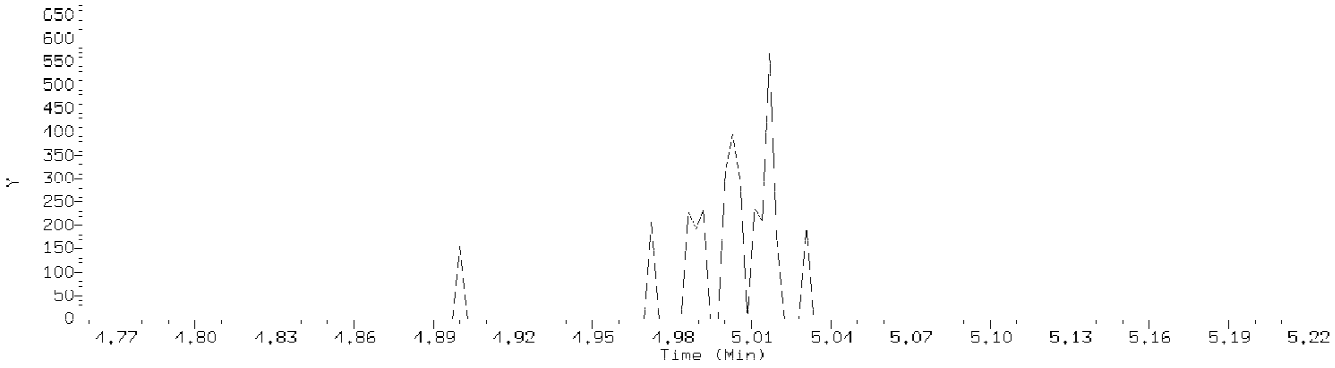
Original Ion: 88 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)



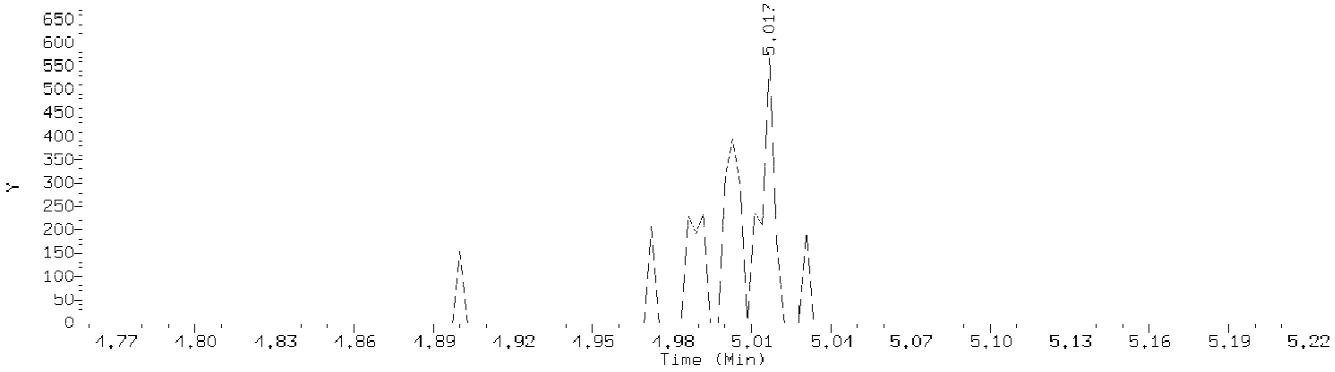
Manually Integrated Ion: 88 Area: 482 Height: 494 (02-May-2014 15:45 dengelhardt)



Original Ion: 58 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)



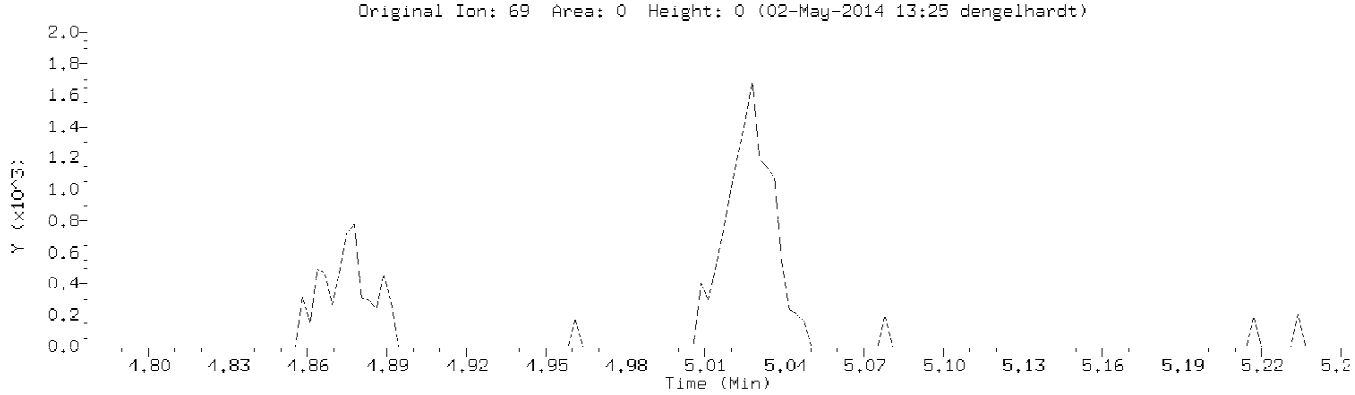
Manually Integrated Ion: 58 Area: 476 Height: 569 (02-May-2014 15:45 dengelhardt)



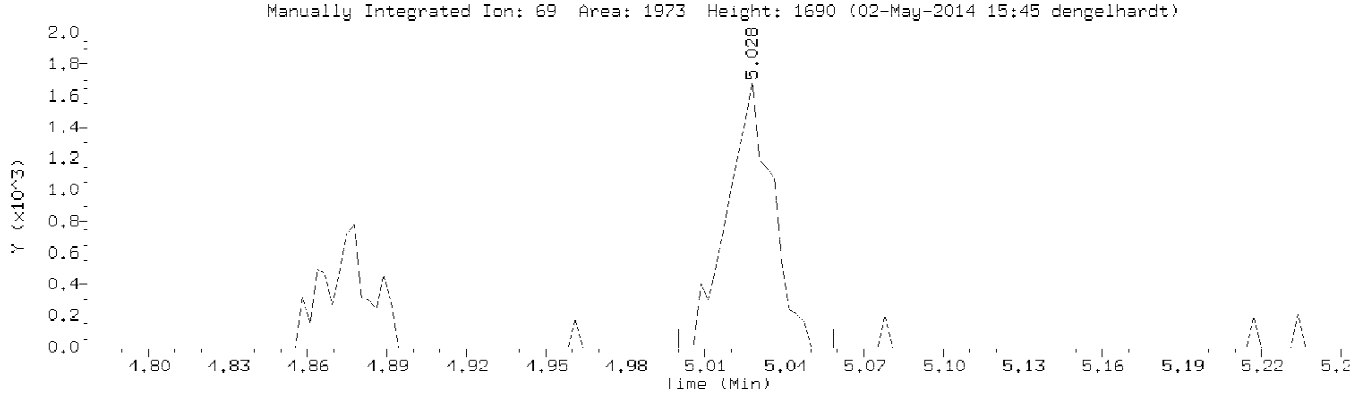
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b04cal3.d
Injection Date: 02-MAY-2014 12:32
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL3,65550:0

Compound: Methyl methacrylate
CAS Number: 80-62-6

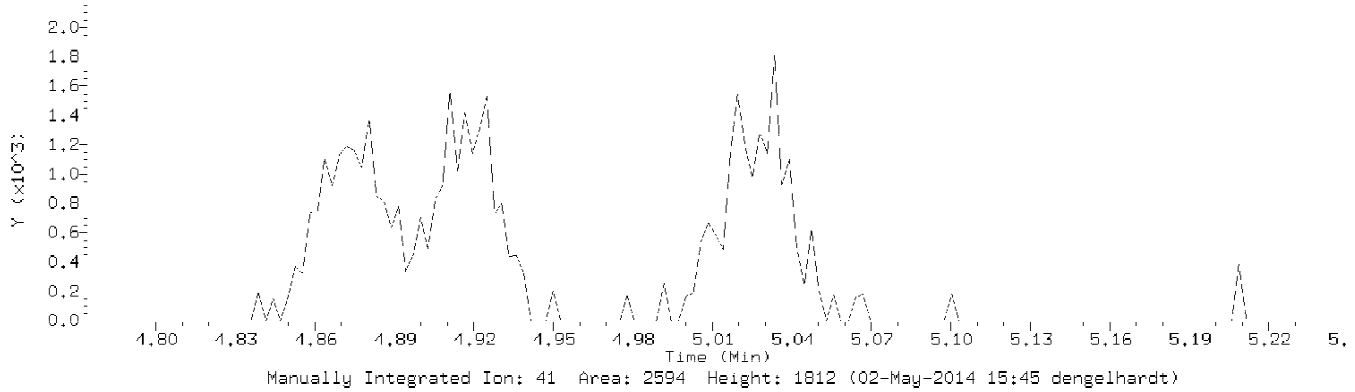
Original Ion: 69 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)



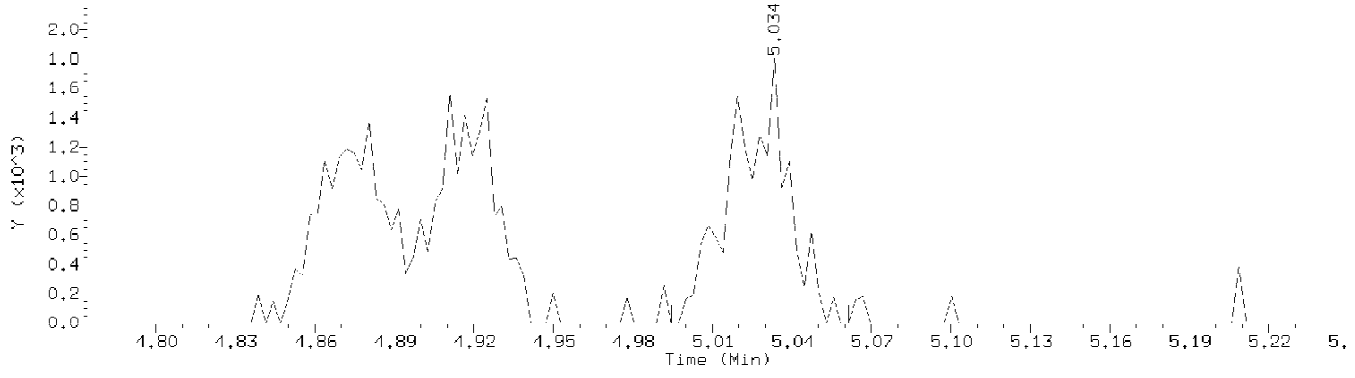
Manually Integrated Ion: 69 Area: 1973 Height: 1690 (02-May-2014 15:45 dengelhardt)



Original Ion: 41 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)

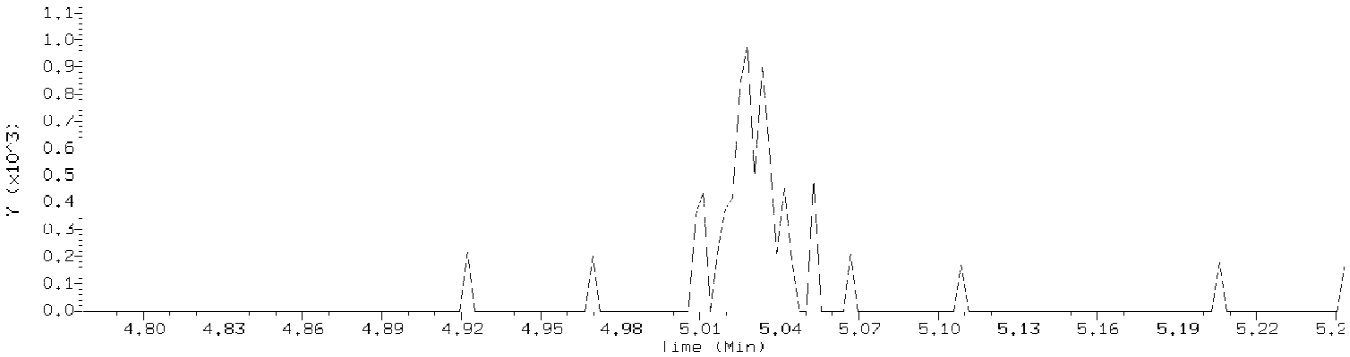


Manually Integrated Ion: 41 Area: 2594 Height: 1812 (02-May-2014 15:45 dengelhardt)

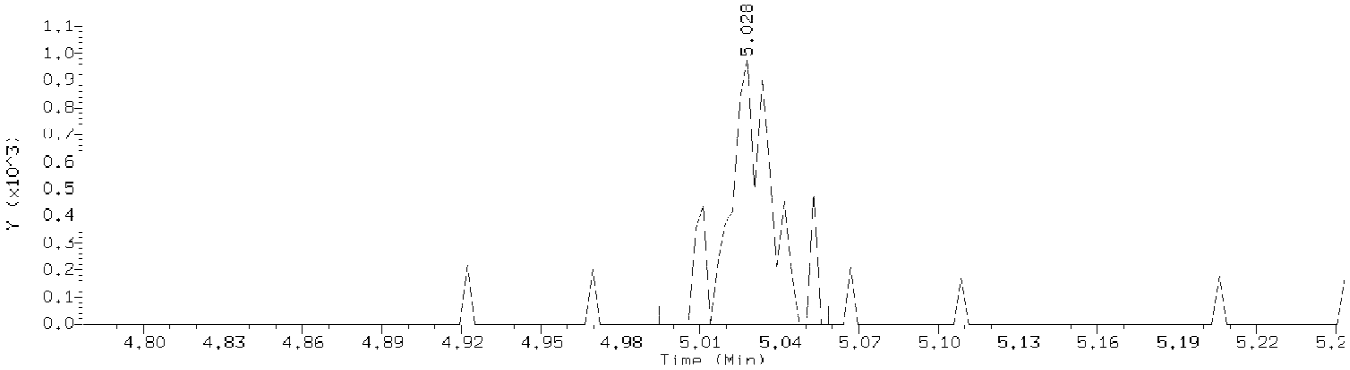


Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b04cal3.d
Injection Date: 02-MAY-2014 12:32
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL3,65550:0

Original Ion: 100 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)

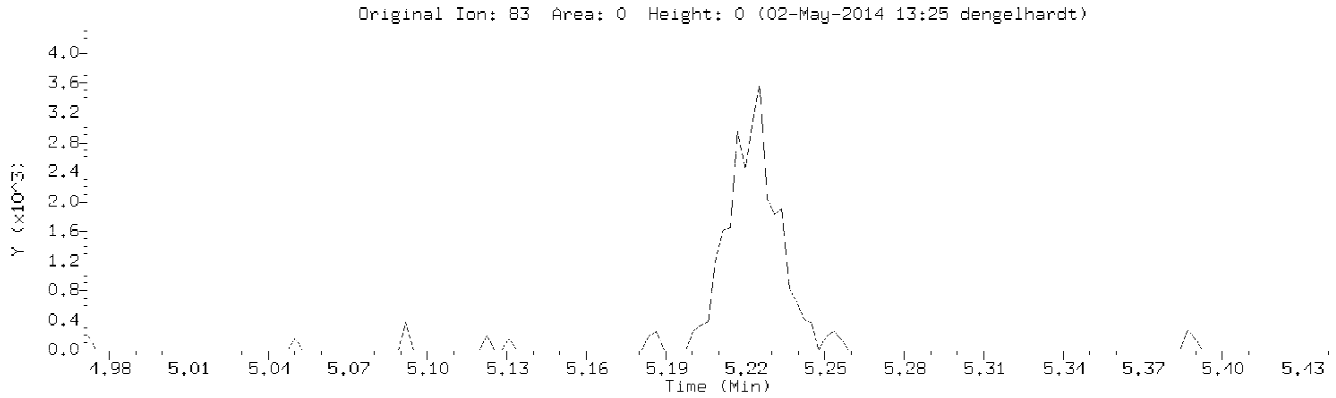


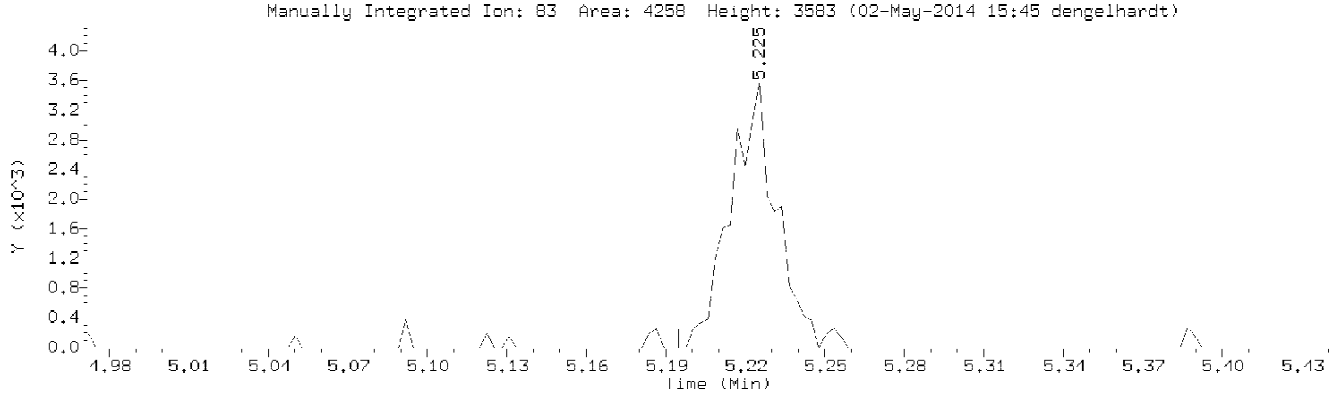
Manually Integrated Ion: 100 Area: 1162 Height: 982 (02-May-2014 15:45 dengelhardt)

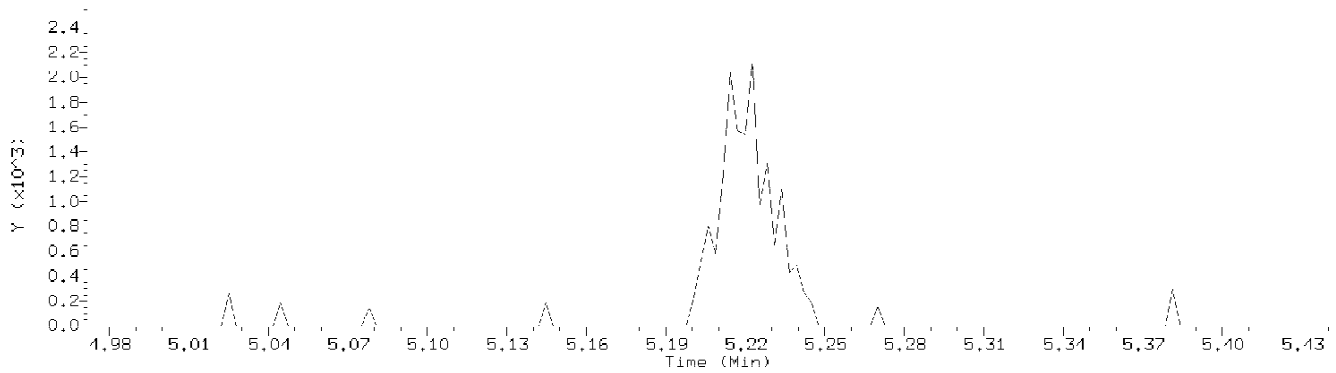


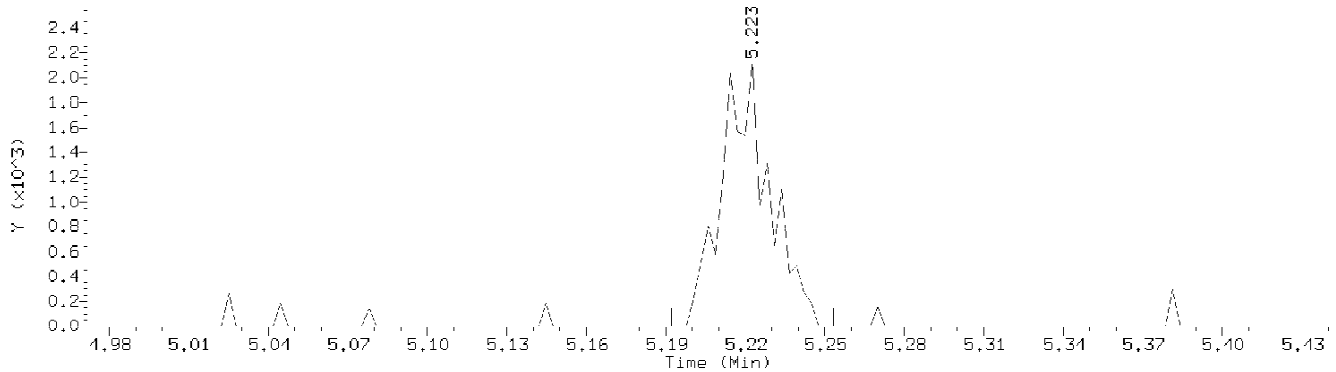
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b04cal3.d
Injection Date: 02-MAY-2014 12:32
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL3,65550:0

Compound: Bromodichloromethane
CAS Number: 75-27-4



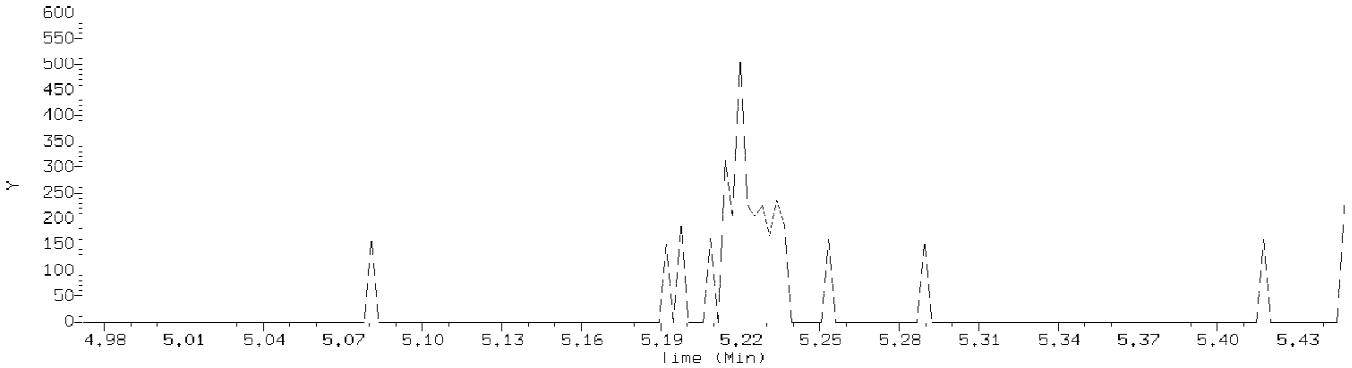




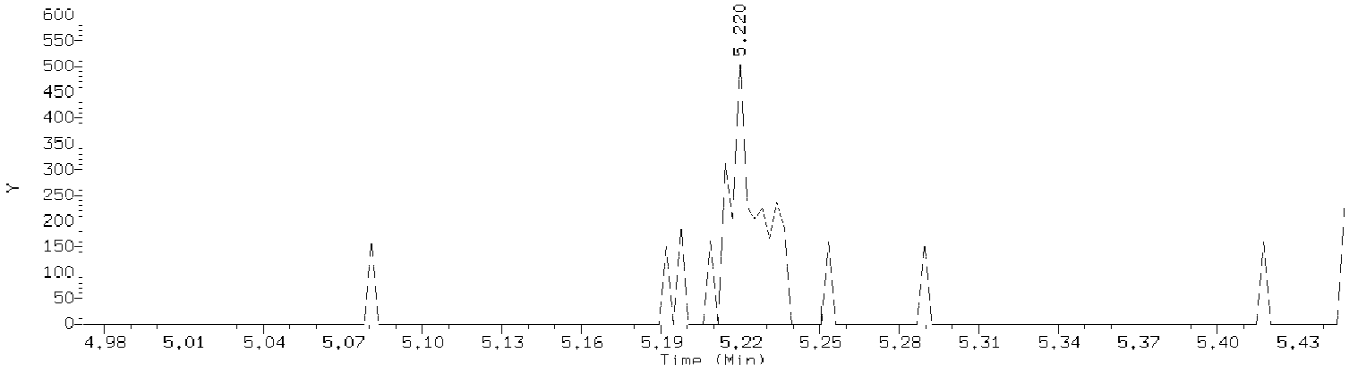


Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b04cal3.d
Injection Date: 02-MAY-2014 12:32
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL3,65550:0

Original Ion: 127 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)



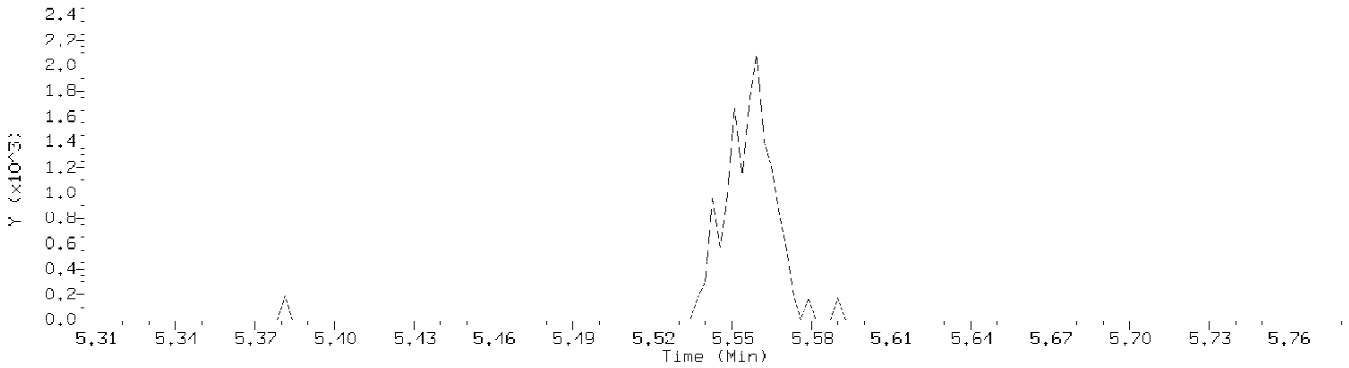
Manually Integrated Ion: 127 Area: 407 Height: 516 (02-May-2014 15:45 dengelhardt)



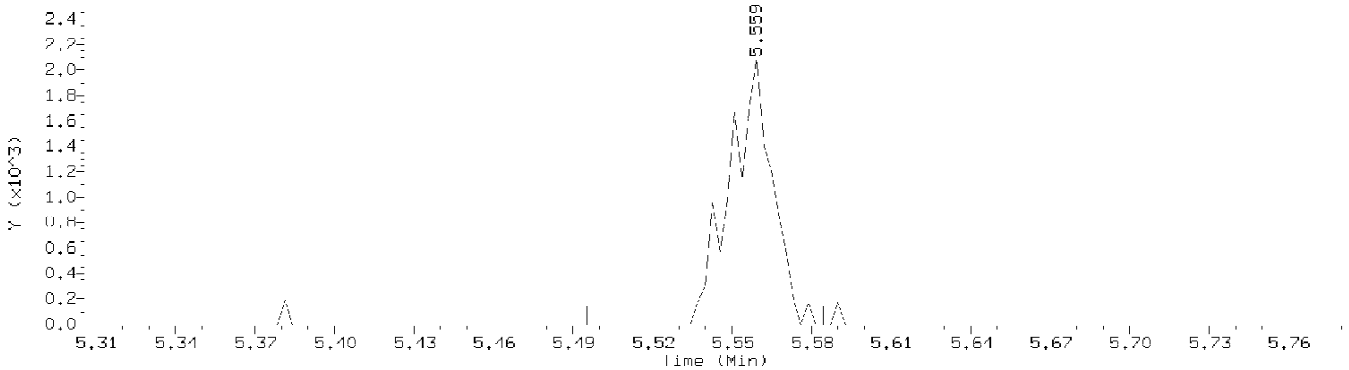
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b04cal3.d
Injection Date: 02-MAY-2014 12:32
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL3,65550:0

Compound: 2-Chloroethyl vinyl ether
CAS Number: 110-75-8

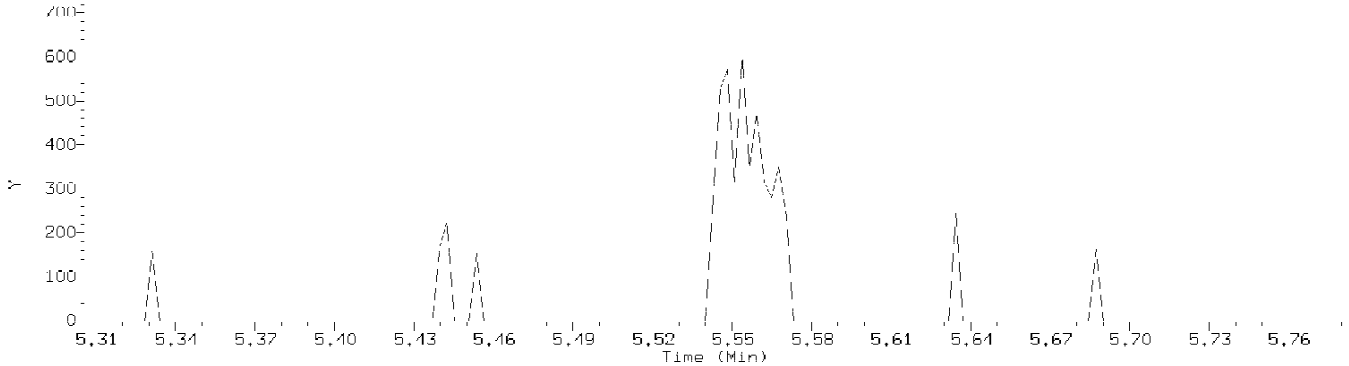
Original Ion: 63 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)



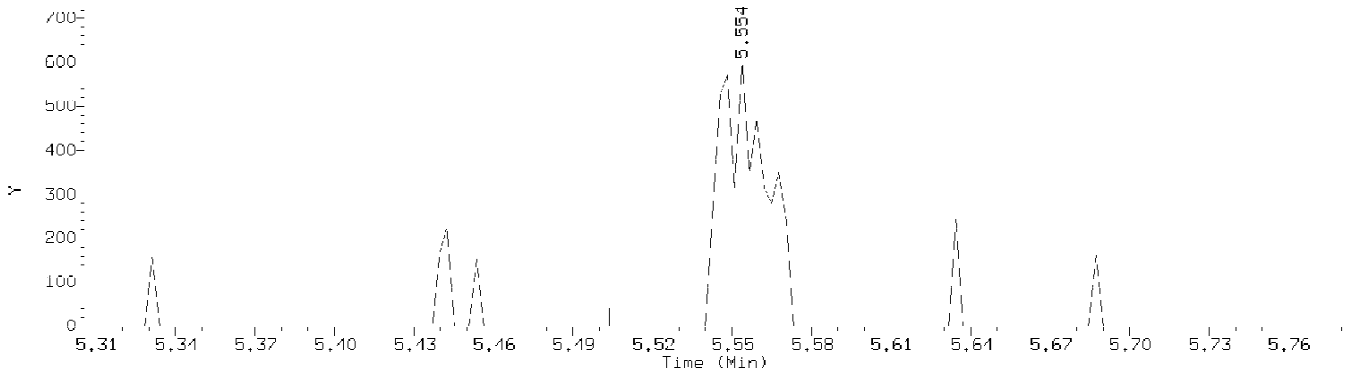
Manually Integrated Ion: 63 Area: 2333 Height: 2090 (02-May-2014 15:45 dengelhardt)



Original Ion: 65 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)



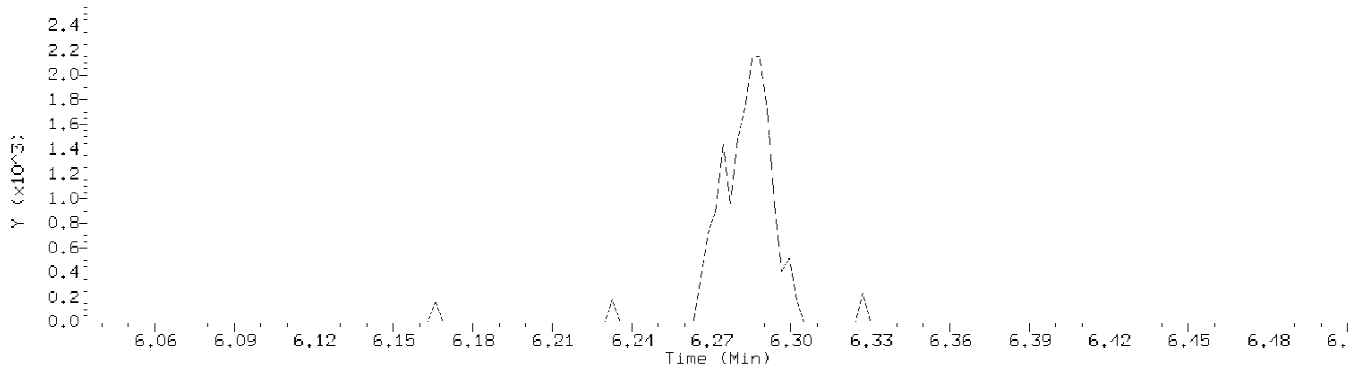
Manually Integrated Ion: 65 Area: 712 Height: 604 (02-May-2014 15:45 dengelhardt)



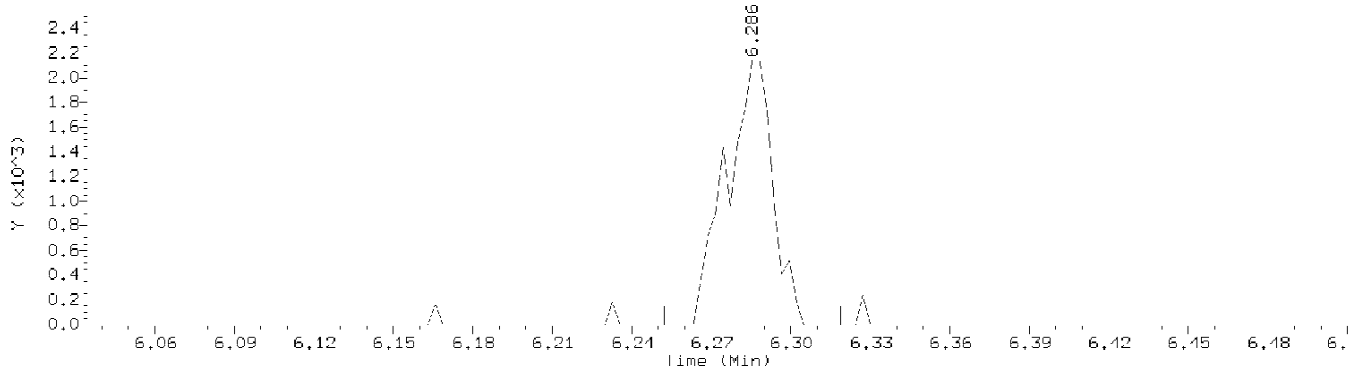
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b04cal3.d
Injection Date: 02-MAY-2014 12:32
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL3,65550:0

Compound: trans-1,3-Dichloropropene
CAS Number: 10061-02-6

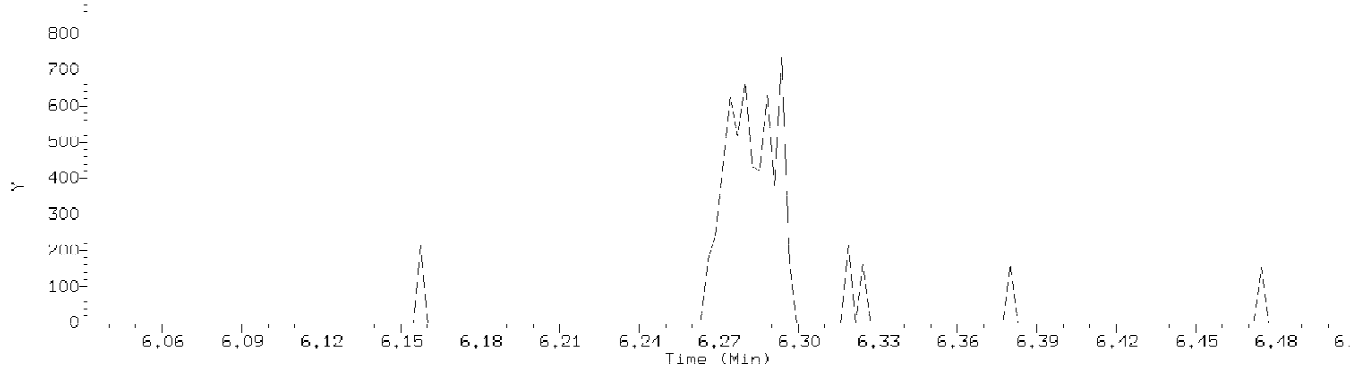
Original Ion: 75 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)



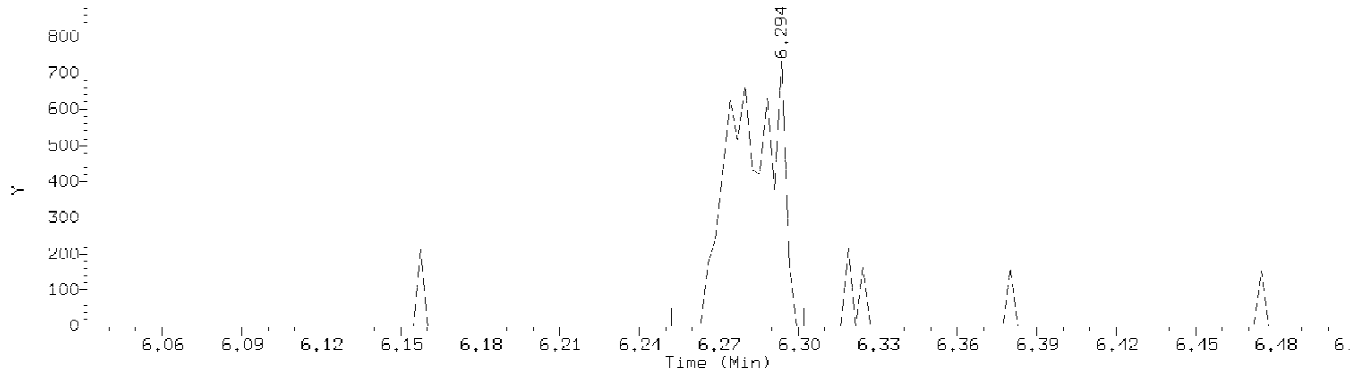
Manually Integrated Ion: 75 Area: 2621 Height: 2154 (02-May-2014 15:45 dengelhardt)



Original Ion: 77 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)



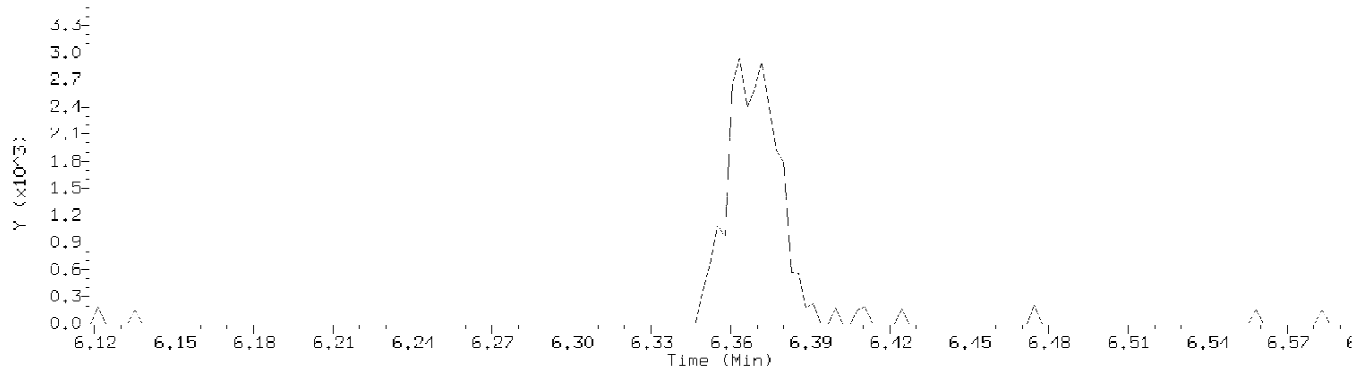
Manually Integrated Ion: 77 Area: 906 Height: 735 (02-May-2014 15:45 dengelhardt)



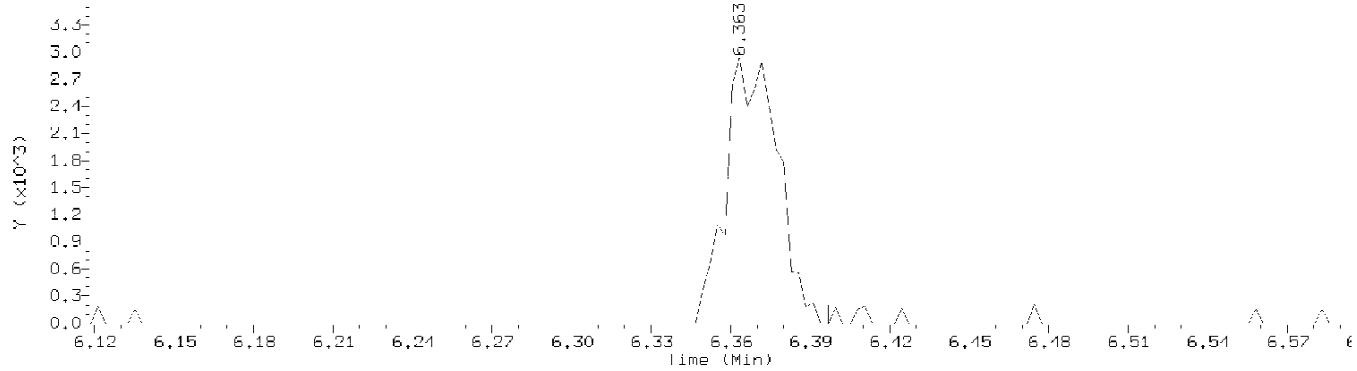
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b04cal3.d
Injection Date: 02-MAY-2014 12:32
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL3,65550:0

Compound: Ethyl Methacrylate
CAS Number:

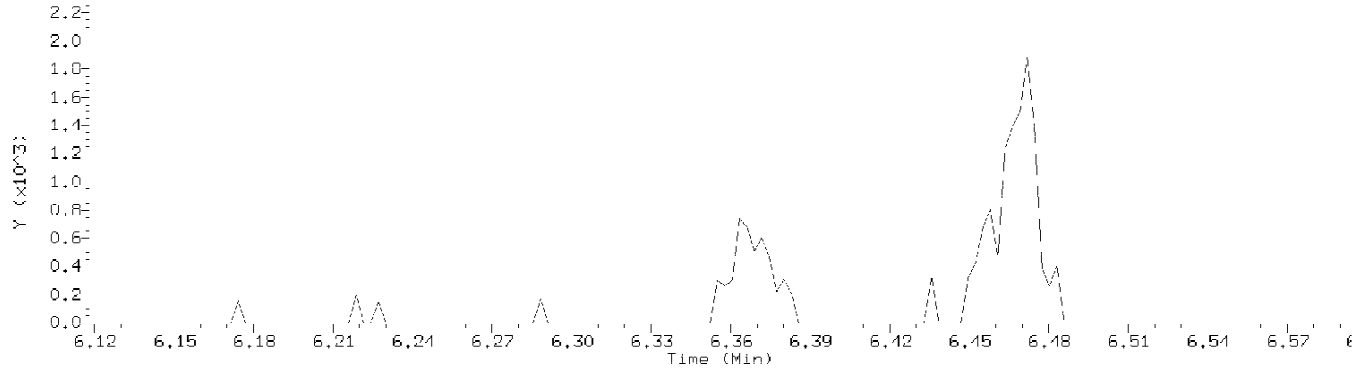
Original Ion: 69 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)



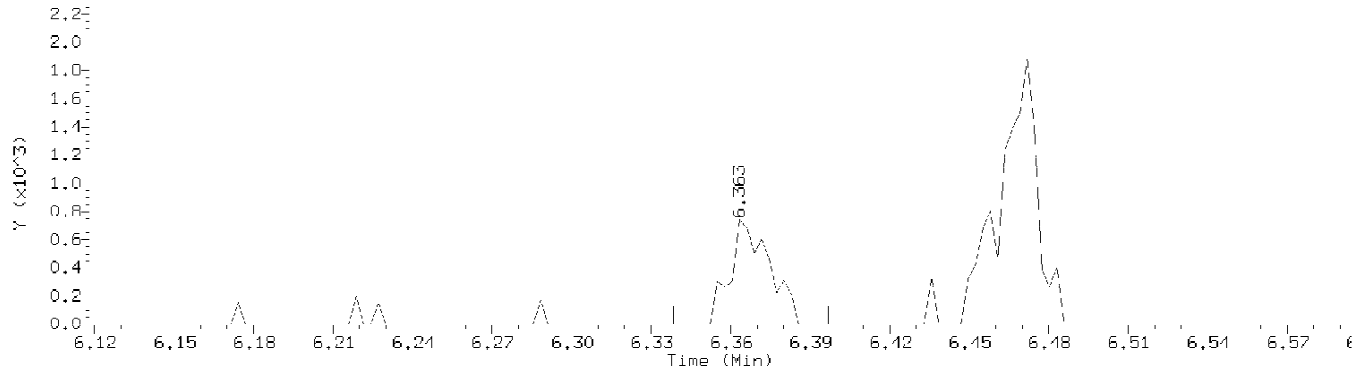
Manually Integrated Ion: 69 Area: 4034 Height: 2937 (02-May-2014 15:45 dengelhardt)



Original Ion: 99 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)

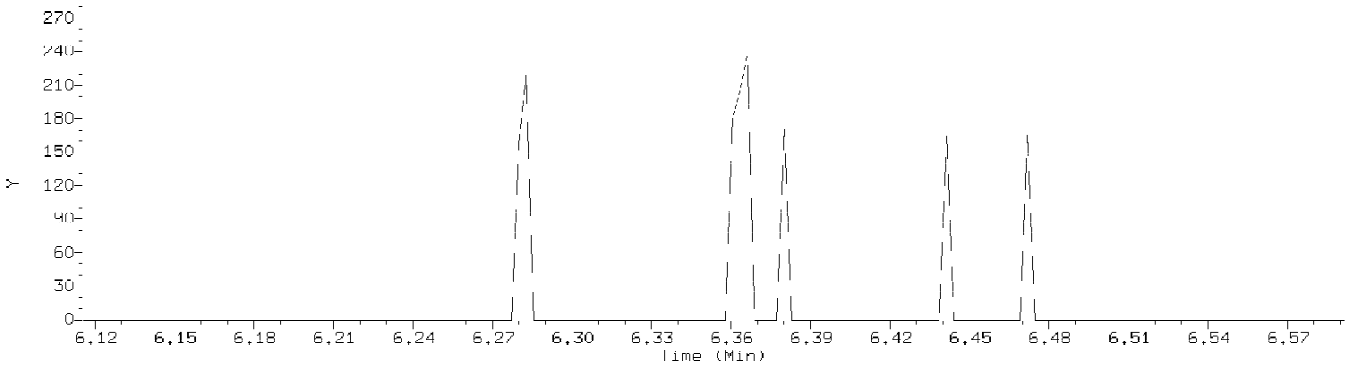


Manually Integrated Ion: 99 Area: 772 Height: 742 (02-May-2014 15:45 dengelhardt)

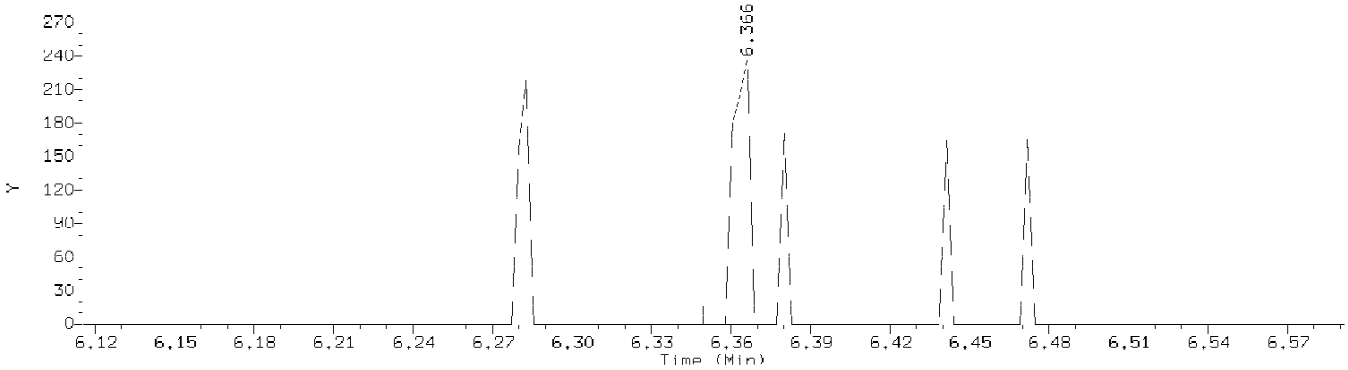


Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b04cal3.d
Injection Date: 02-MAY-2014 12:32
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL3,65550:0

Original Ion: 114 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)

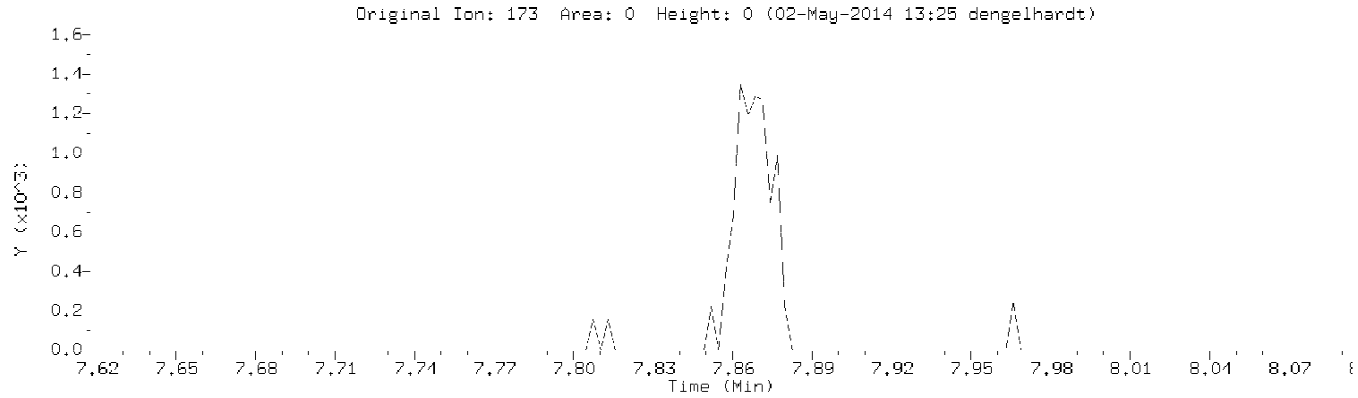


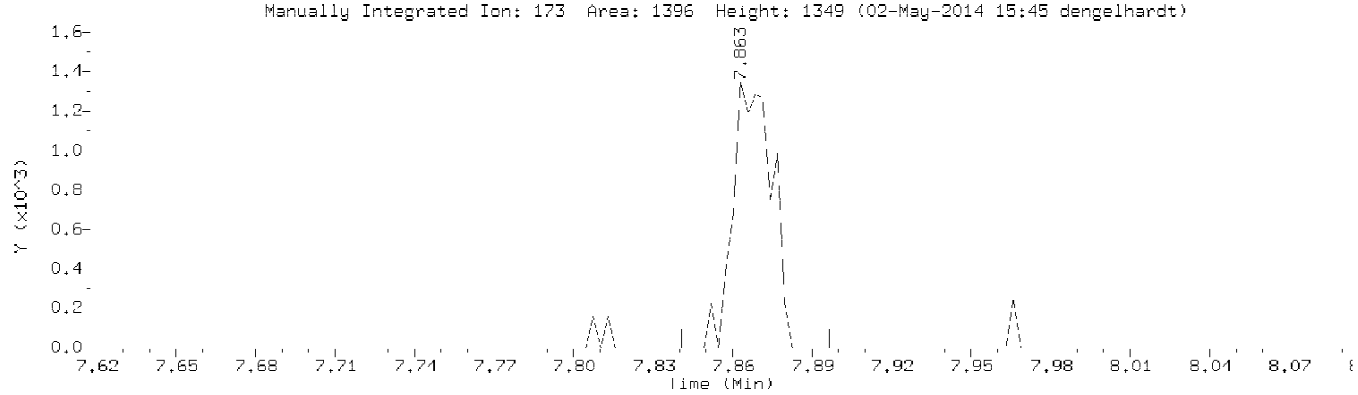
Manually Integrated Ion: 114 Area: 104 Height: 238 (02-May-2014 15:45 dengelhardt)

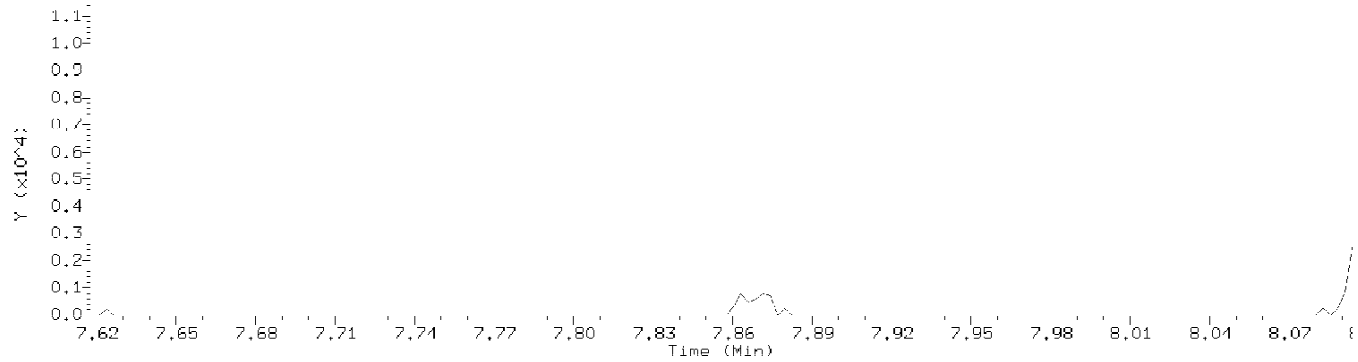


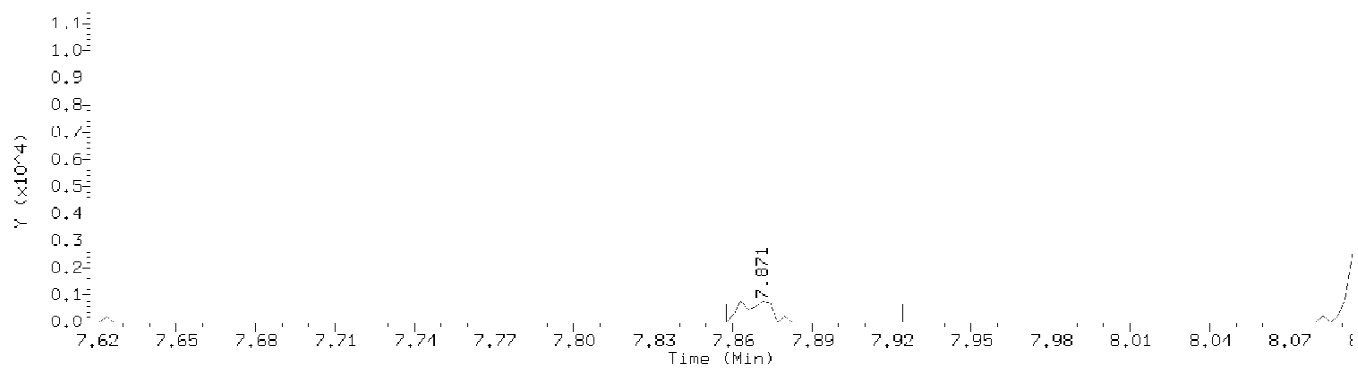
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b04cal3.d
Injection Date: 02-MAY-2014 12:32
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL3,65550:0

Compound: Bromoform
CAS Number: 75-25-2



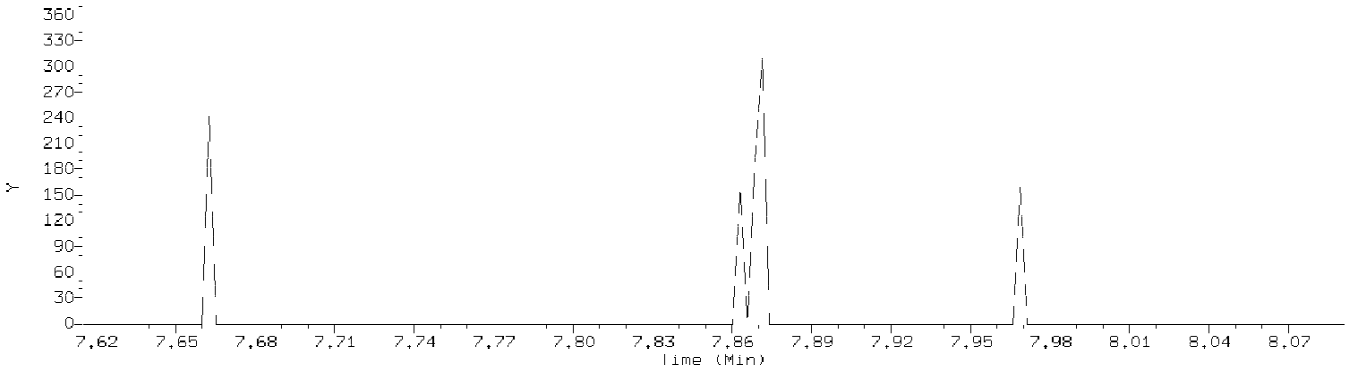




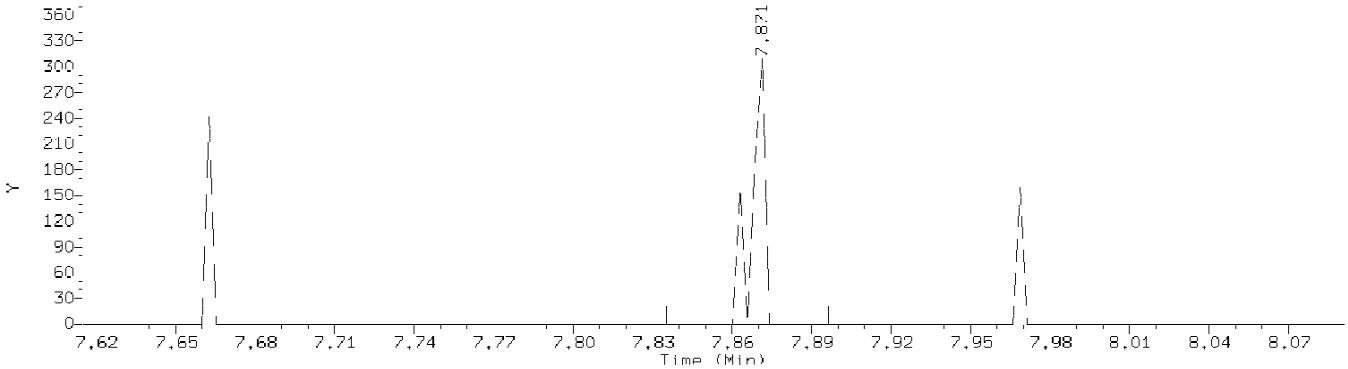


Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b04cal3.d
Injection Date: 02-MAY-2014 12:32
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL3,65550:0

Original Ion: 253.8 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)



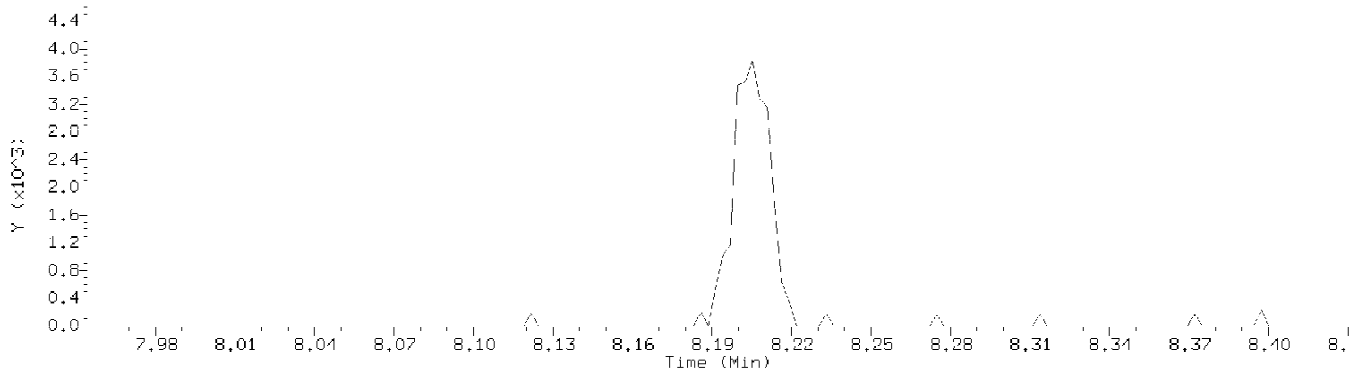
Manually Integrated Ion: 253.8 Area: 108 Height: 310 (02-May-2014 15:45 dengelhardt)



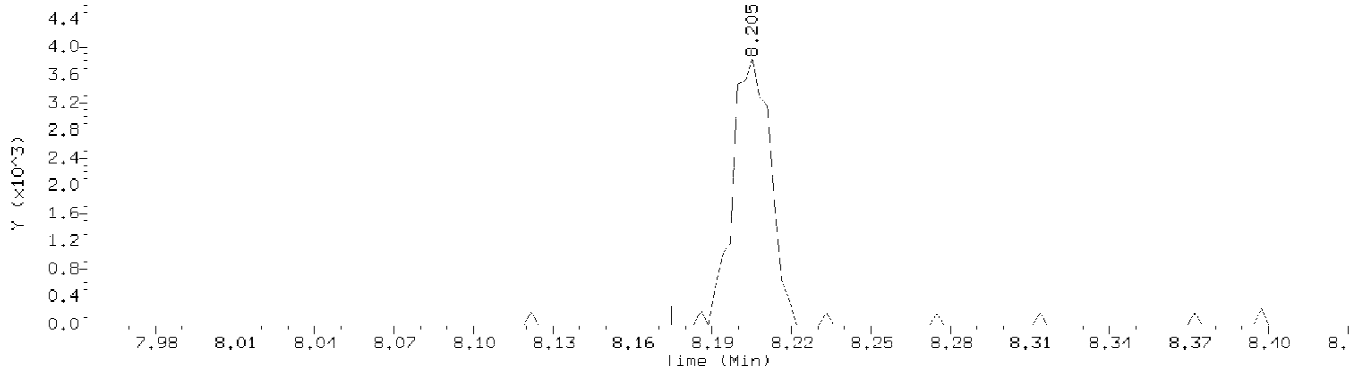
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b04cal3.d
Injection Date: 02-MAY-2014 12:32
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL3,65550:0

Compound: 1,1,2,2-Tetrachloroethane
CAS Number: 79-34-5

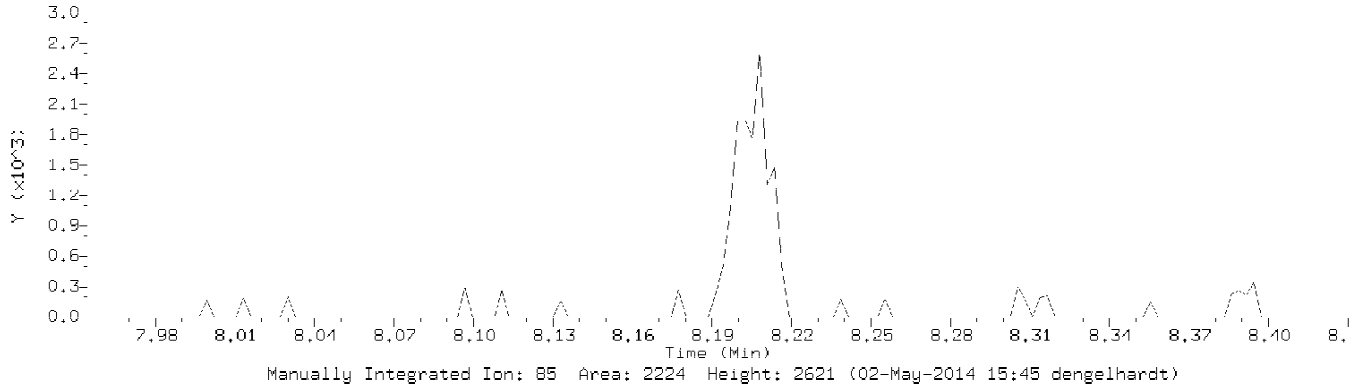
Original Ion: 83 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)



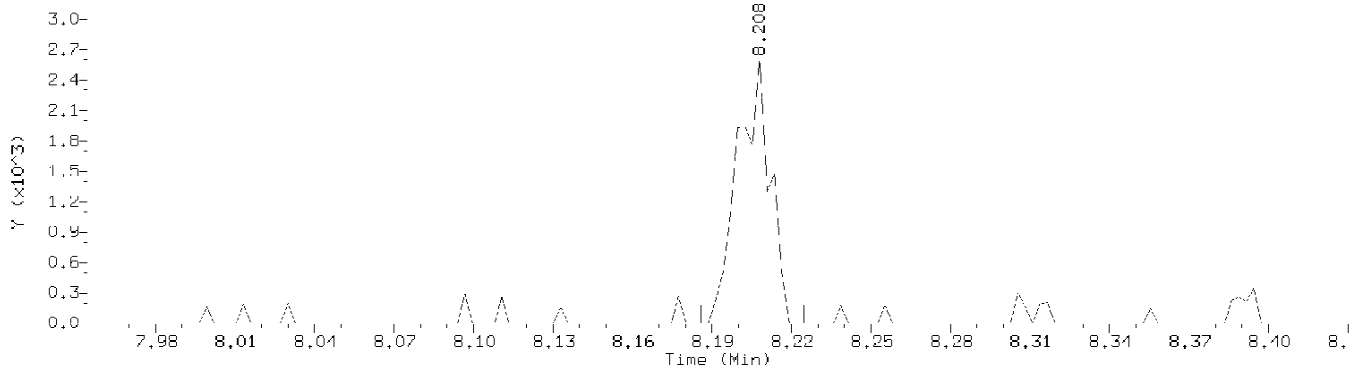
Manually Integrated Ion: 83 Area: 3824 Height: 3834 (02-May-2014 15:45 dengelhardt)



Original Ion: 85 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)

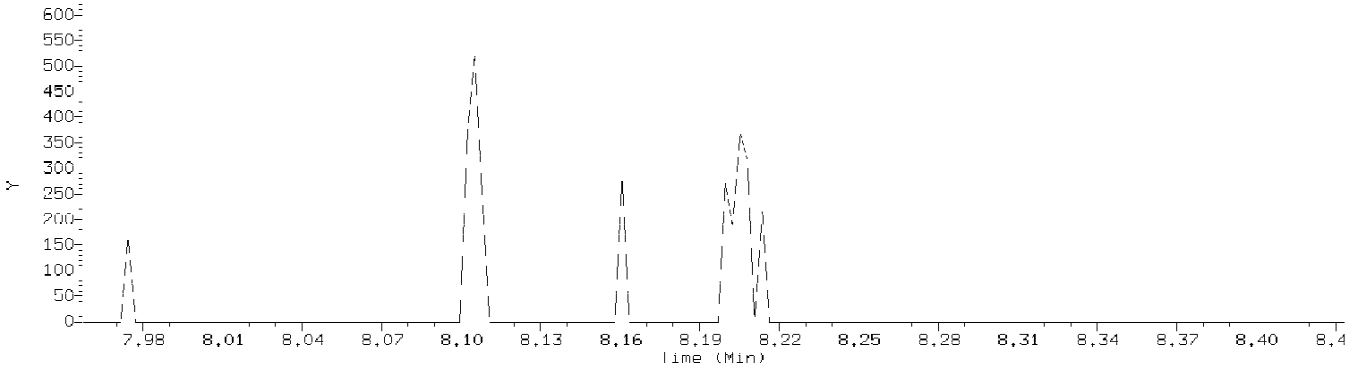


Manually Integrated Ion: 85 Area: 2224 Height: 2621 (02-May-2014 15:45 dengelhardt)

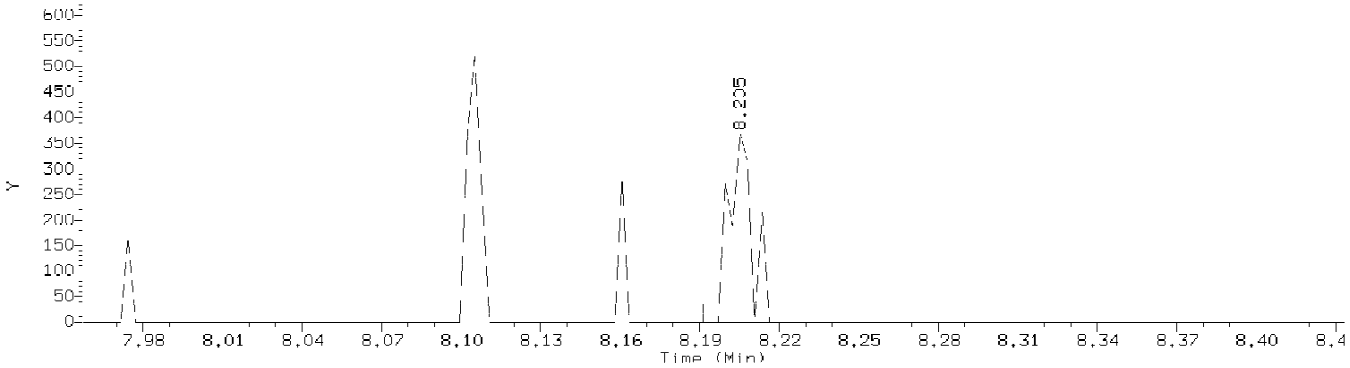


Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b04cal3.d
Injection Date: 02-MAY-2014 12:32
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL3,65550:0

Original Ion: 131 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)



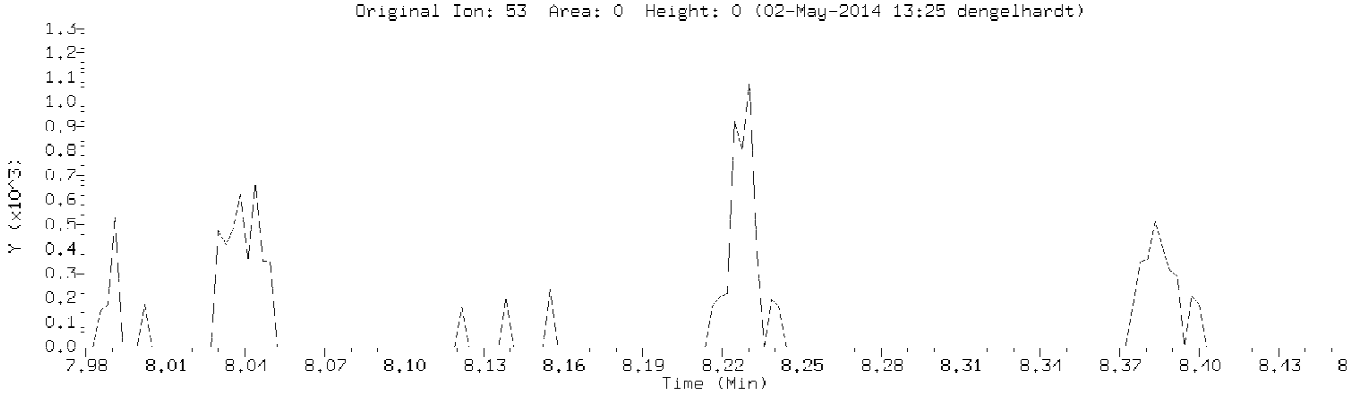
Manually Integrated Ion: 131 Area: 227 Height: 371 (02-May-2014 15:45 dengelhardt)



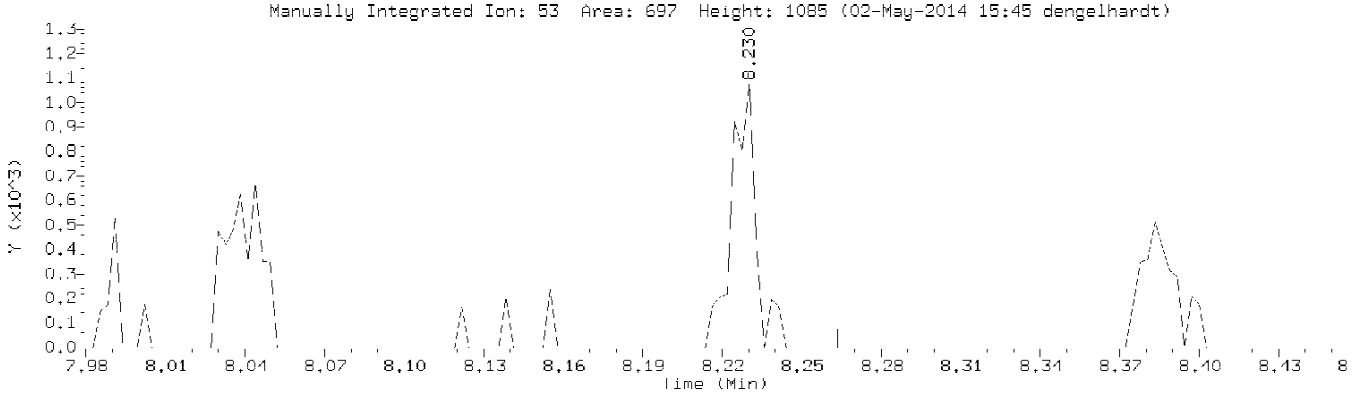
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b04cal3.d
Injection Date: 02-MAY-2014 12:32
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL3,65550:0

Compound: trans-1,4-Dichloro-2-butene
CAS Number:

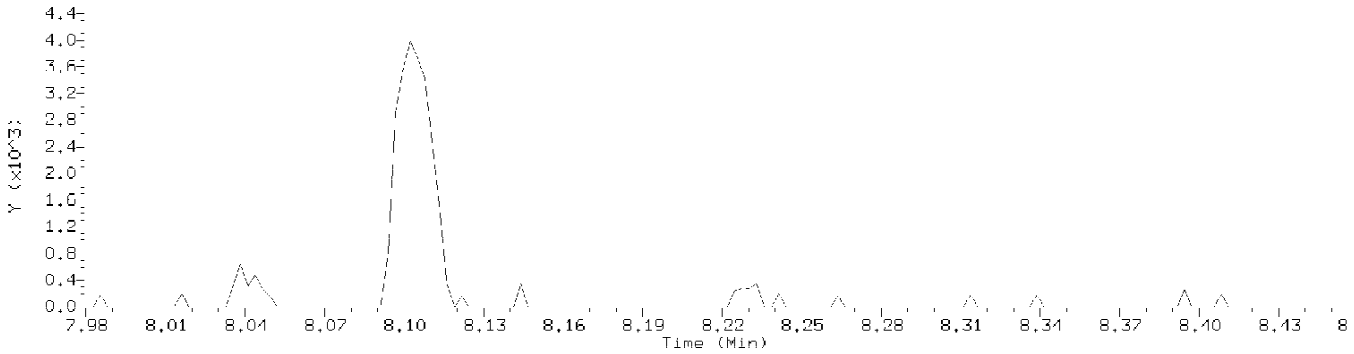
Original Ion: 53 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)



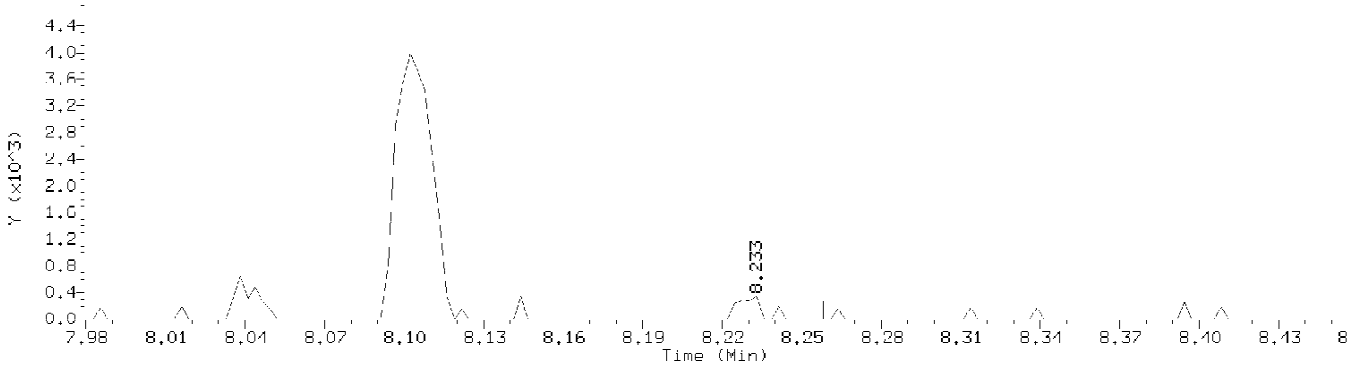
Manually Integrated Ion: 53 Area: 697 Height: 1085 (02-May-2014 15:45 dengelhardt)



Original Ion: 88 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)

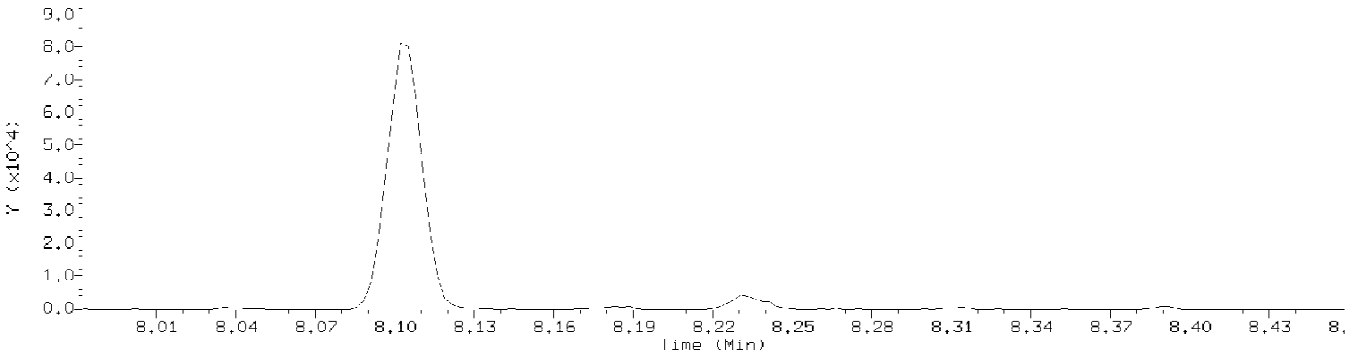


Manually Integrated Ion: 88 Area: 227 Height: 354 (02-May-2014 15:45 dengelhardt)

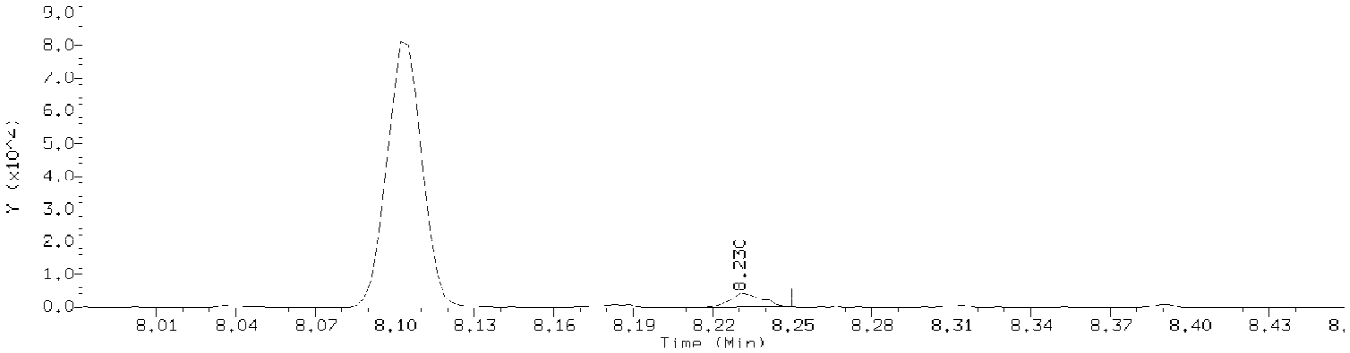


Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b04cal3.d
Injection Date: 02-MAY-2014 12:32
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL3,65550:0

Original Ion: 75 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)



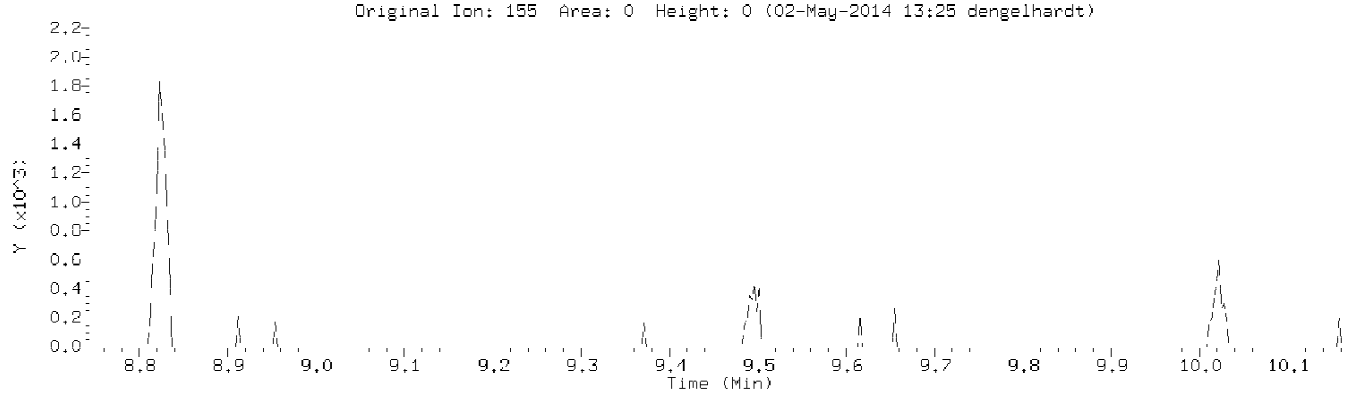
Manually Integrated Ion: 75 Area: 3332 Height: 4103 (02-May-2014 15:45 dengelhardt)



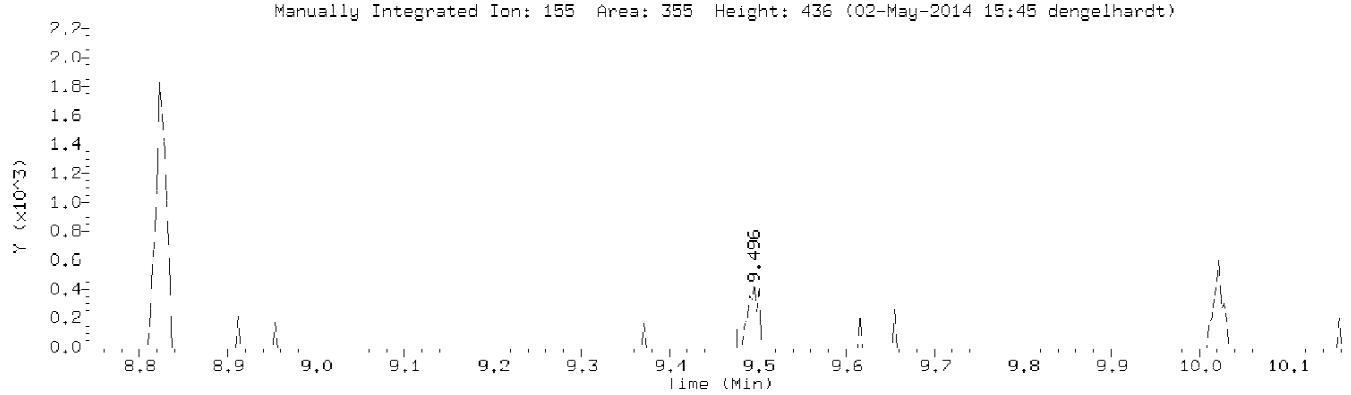
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b04cal3.d
Injection Date: 02-MAY-2014 12:32
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL3,65550:0

Compound: 1,2-Dibromo-3-chloropropane
CAS Number: 96-12-8

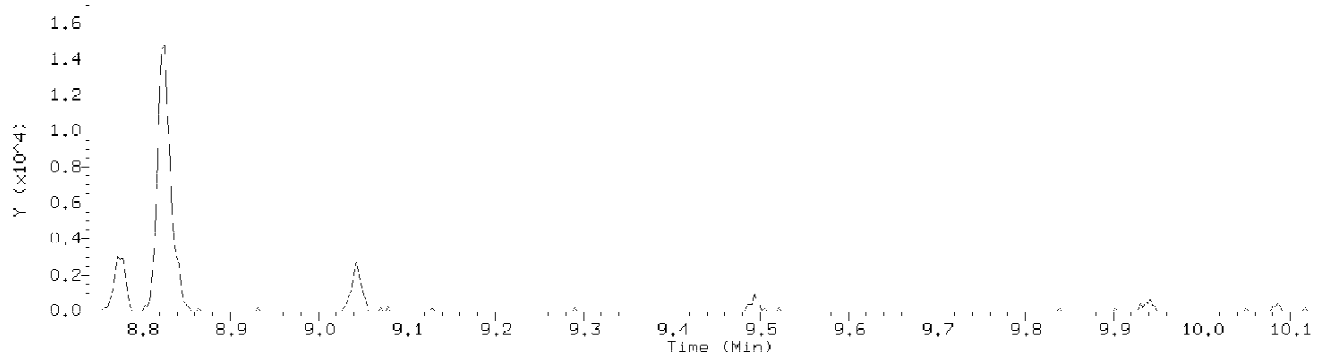
Original Ion: 155 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)



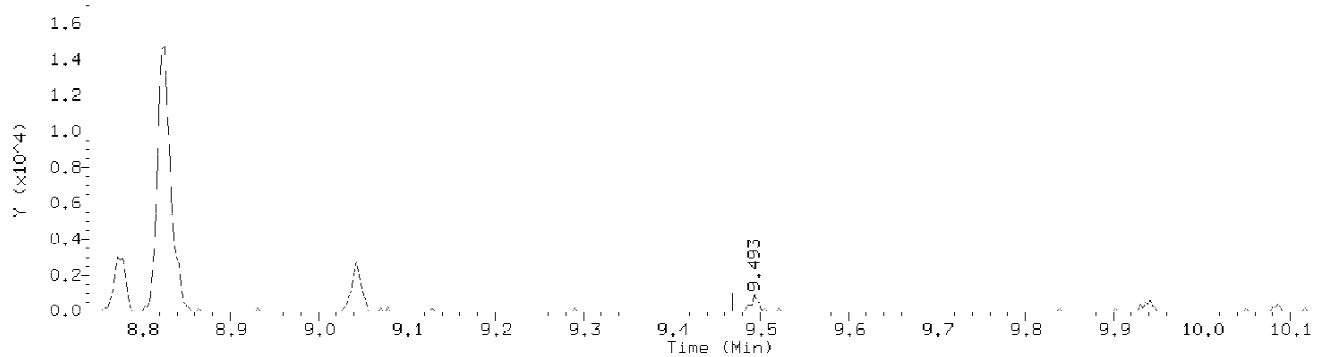
Manually Integrated Ion: 155 Area: 355 Height: 436 (02-May-2014 15:45 dengelhardt)



Original Ion: 75 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)

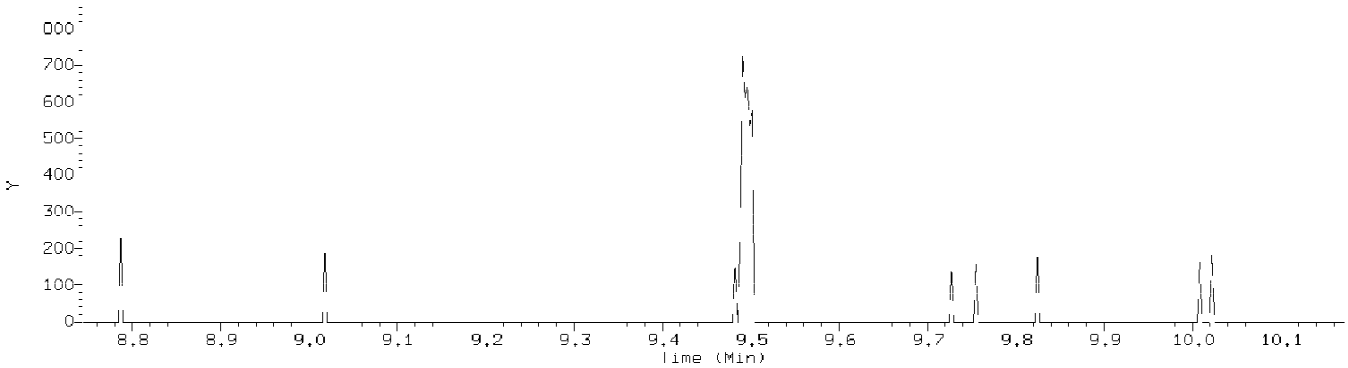


Manually Integrated Ion: 75 Area: 533 Height: 1009 (02-May-2014 15:45 dengelhardt)

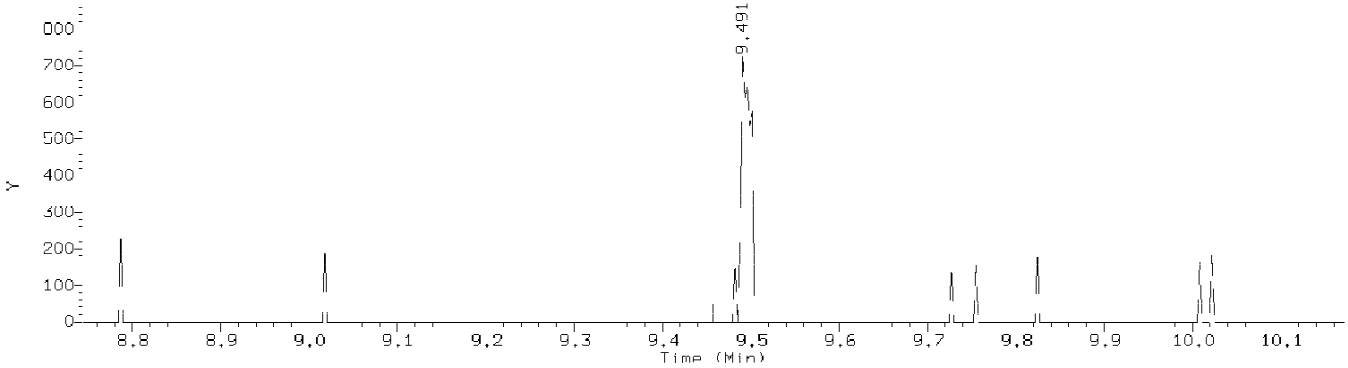


Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b04cal3.d
Injection Date: 02-MAY-2014 12:32
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL3,65550:0

Original Ion: 157 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)



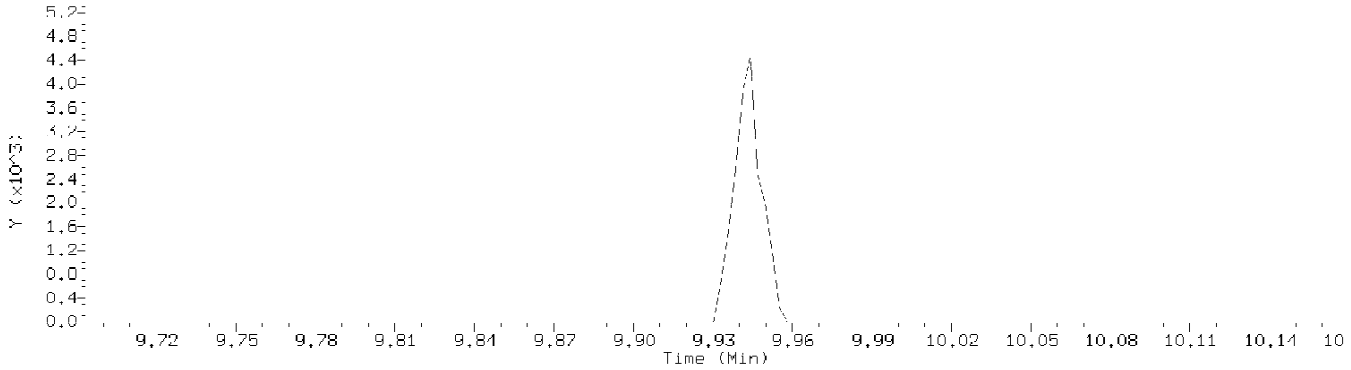
Manually Integrated Ion: 157 Area: 586 Height: 726 (02-May-2014 15:45 dengelhardt)



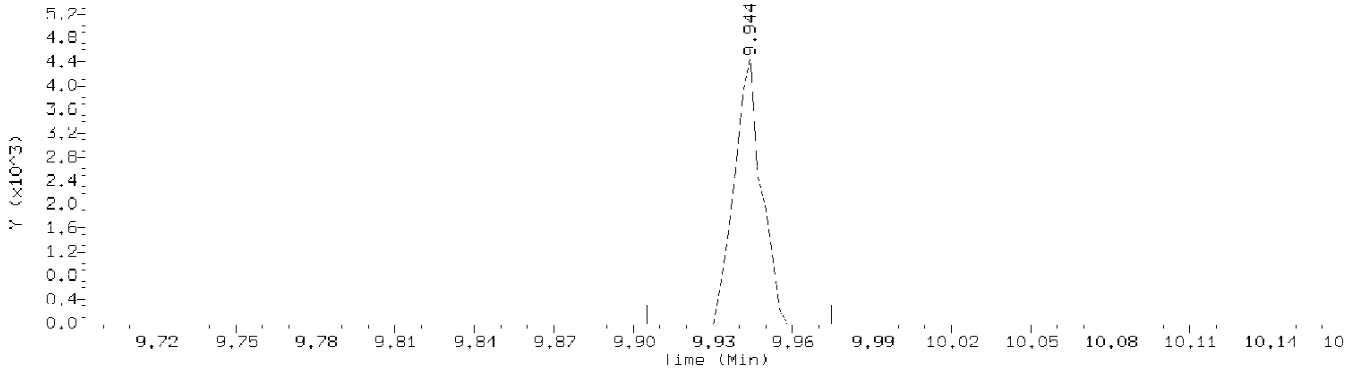
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b04cal3.d
Injection Date: 02-MAY-2014 12:32
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL3,65550:0

Compound: 1,2,4-Trichlorobenzene
CAS Number: 120-82-1

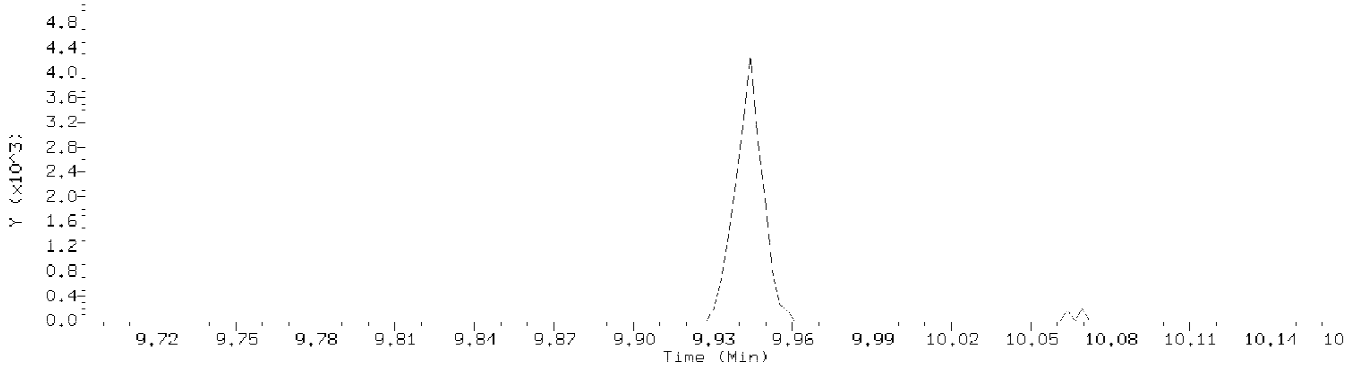
Original Ion: 180 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)



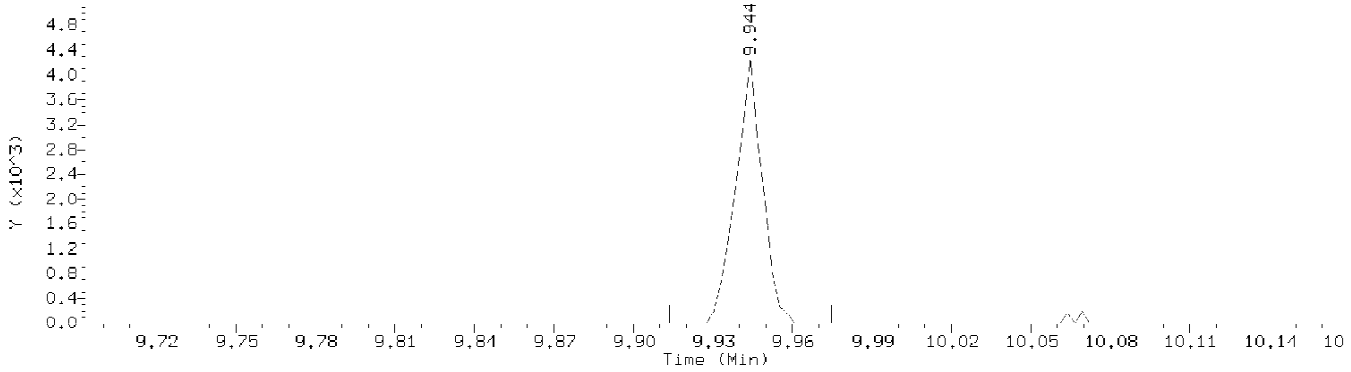
Manually Integrated Ion: 180 Area: 3171 Height: 4469 (02-May-2014 15:45 dengelhardt)



Original Ion: 182 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)

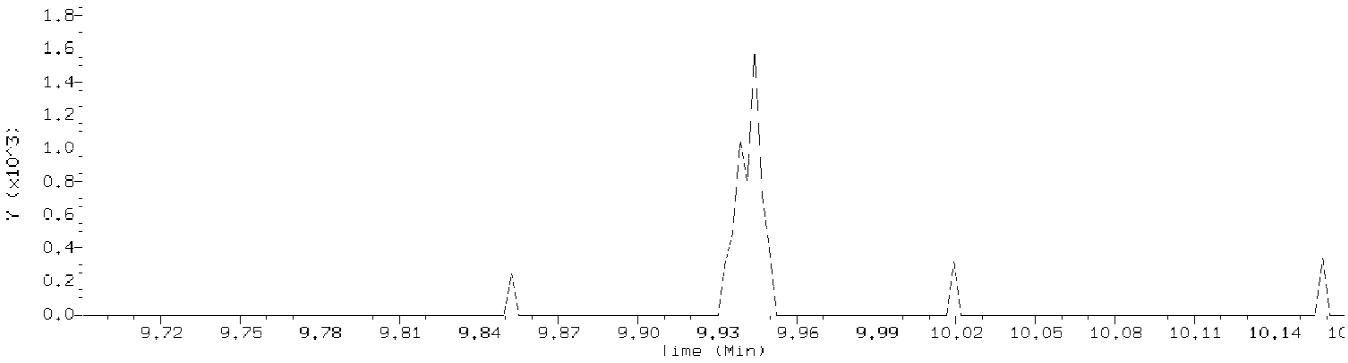


Manually Integrated Ion: 182 Area: 2995 Height: 4283 (02-May-2014 15:45 dengelhardt)

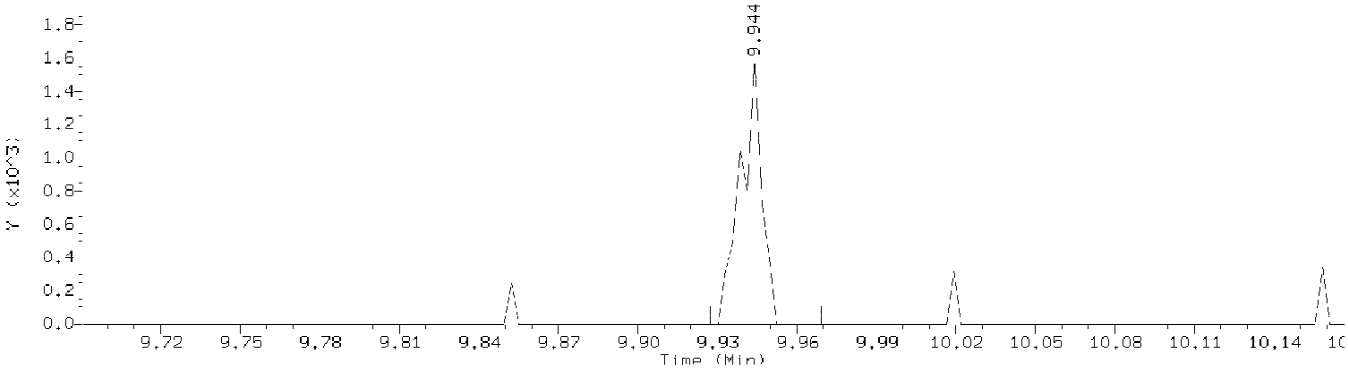


Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b04cal3.d
Injection Date: 02-MAY-2014 12:32
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL3,65550:0

Original Ion: 145 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)



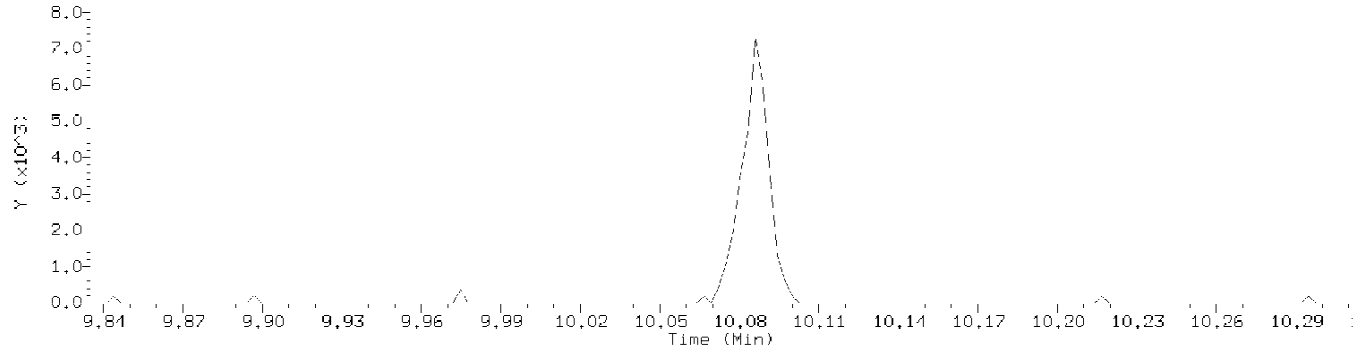
Manually Integrated Ion: 145 Area: 893 Height: 1599 (02-May-2014 15:45 dengelhardt)



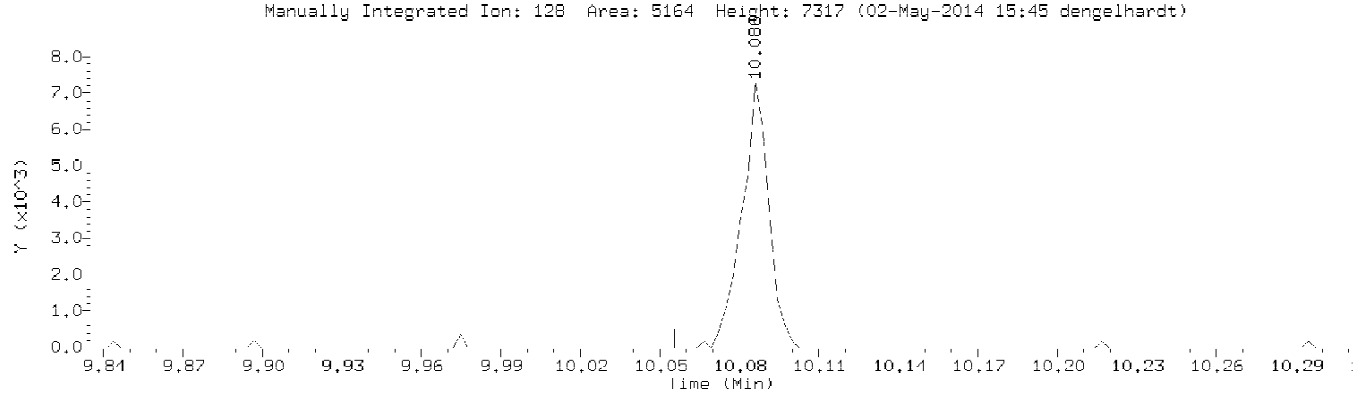
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b04cal3.d
Injection Date: 02-MAY-2014 12:32
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL3,65550:0

Compound: Naphthalene
CAS Number: 91-20-3

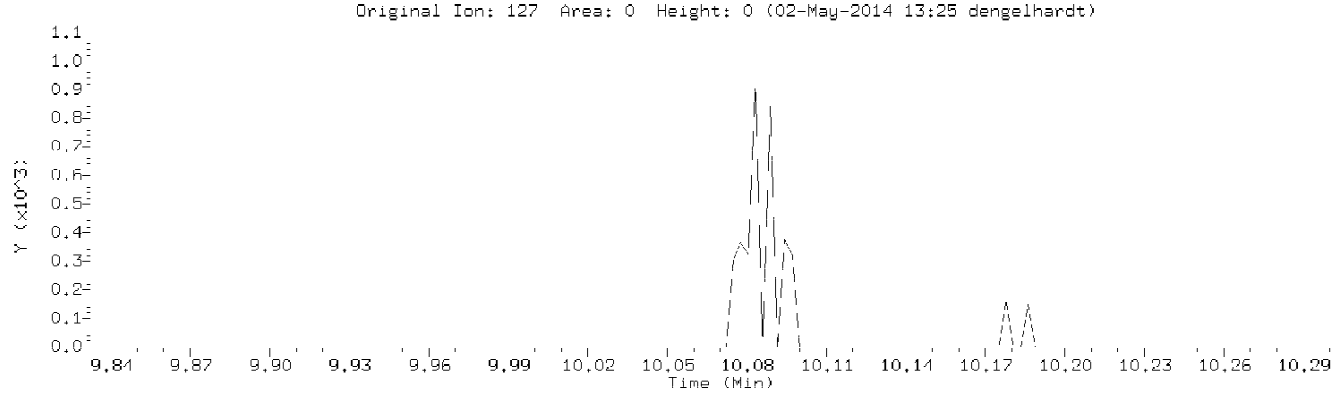
Original Ion: 128 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)



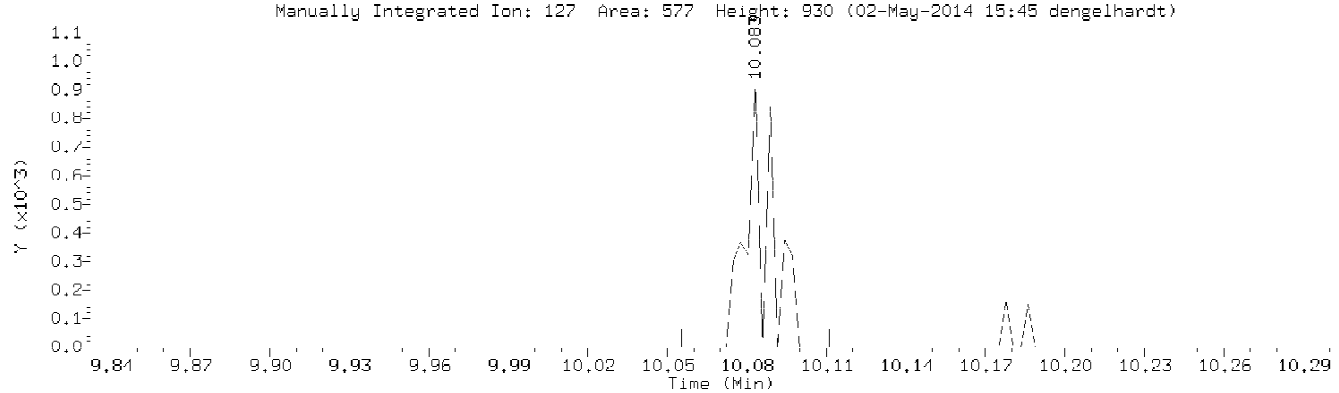
Manually Integrated Ion: 128 Area: 5164 Height: 7317 (02-May-2014 15:45 dengelhardt)



Original Ion: 127 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)



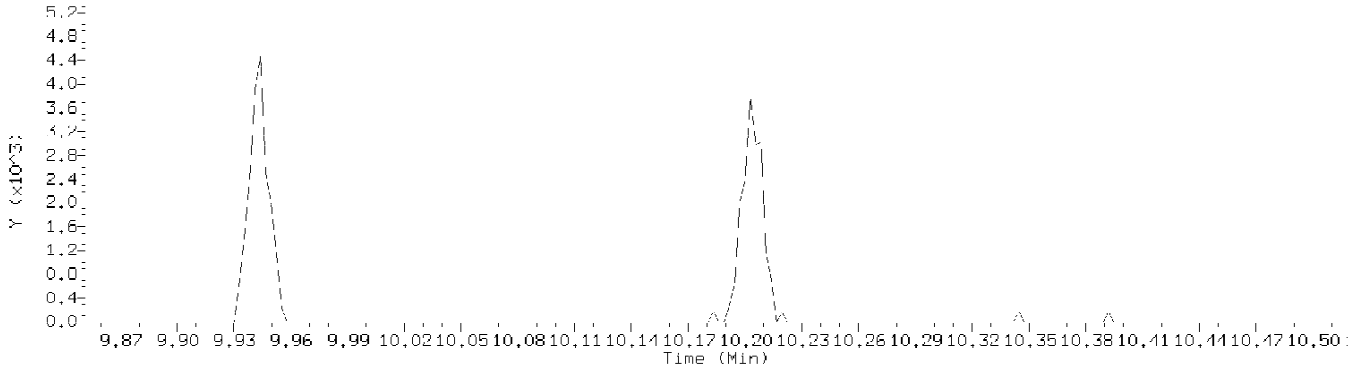
Manually Integrated Ion: 127 Area: 577 Height: 930 (02-May-2014 15:45 dengelhardt)



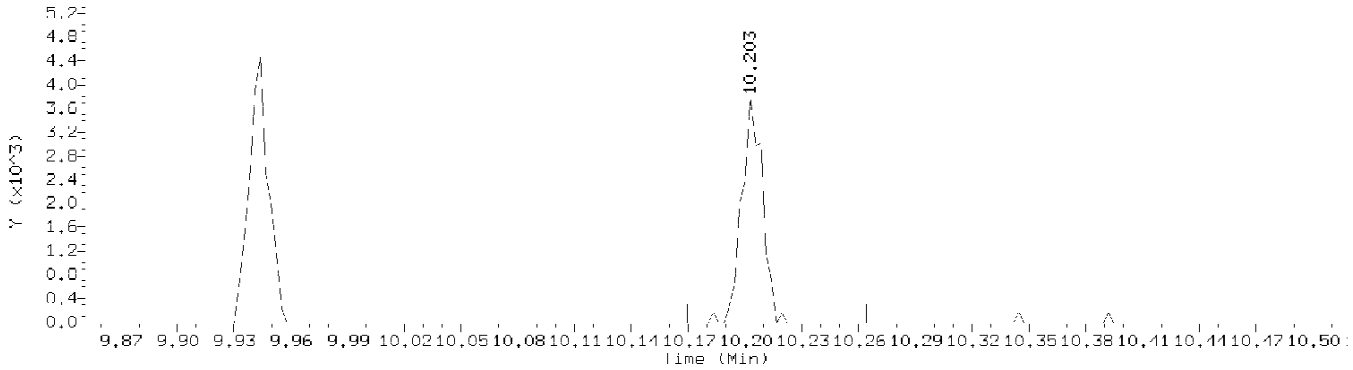
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b04cal3.d
Injection Date: 02-MAY-2014 12:32
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL3,65550:0

Compound: 1,2,3-Trichlorobenzene
CAS Number: 87-61-6

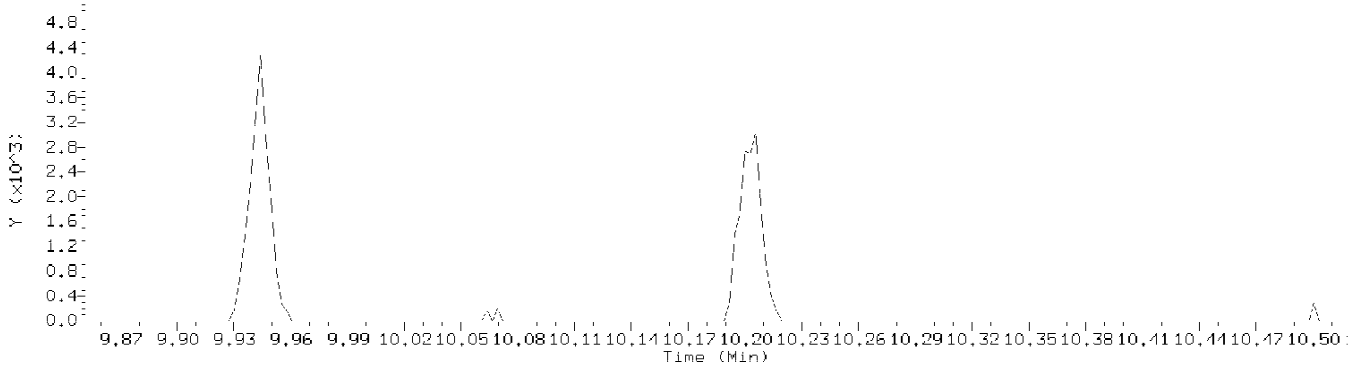
Original Ion: 180 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)



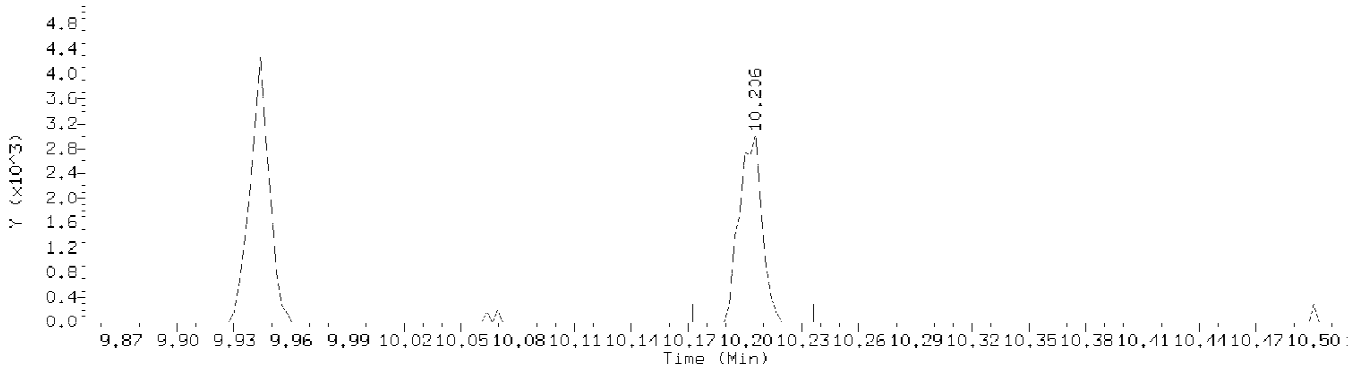
Manually Integrated Ion: 180 Area: 2901 Height: 3800 (02-May-2014 15:45 dengelhardt)



Original Ion: 182 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)

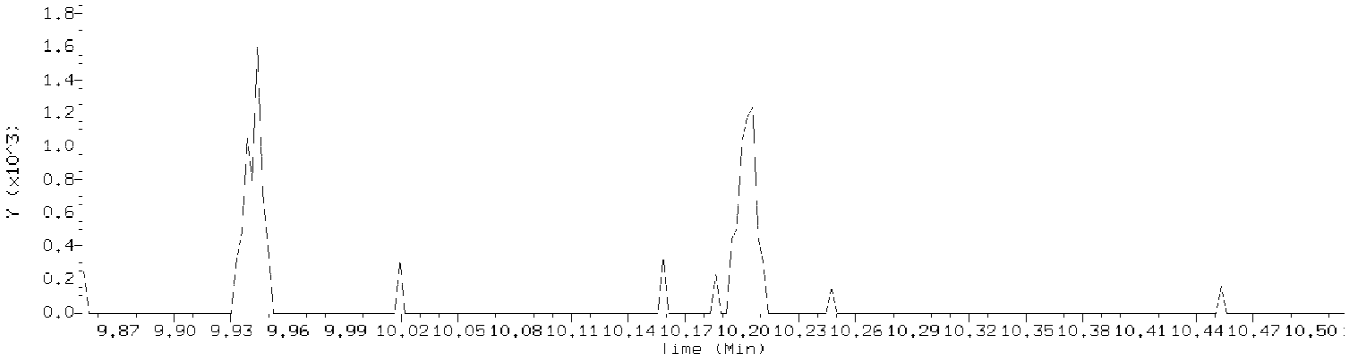


Manually Integrated Ion: 182 Area: 2527 Height: 3047 (02-May-2014 15:45 dengelhardt)

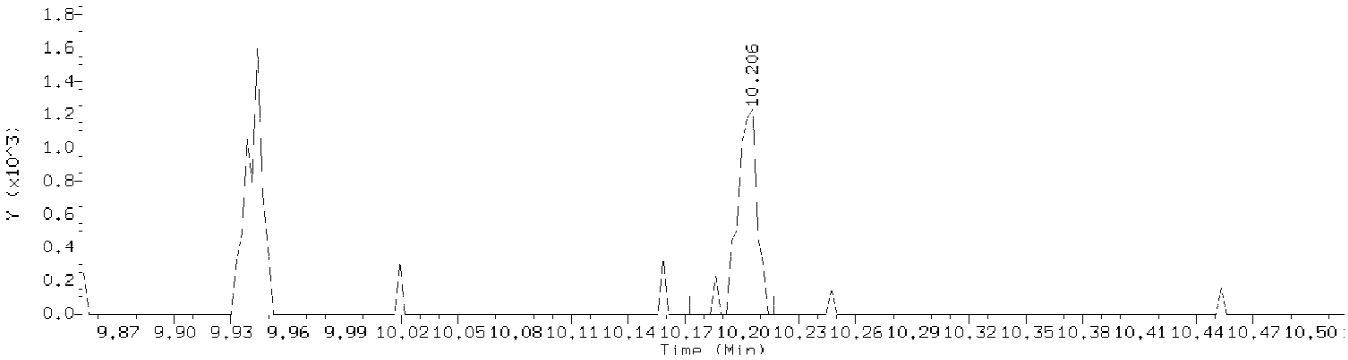


Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b04cal3.d
Injection Date: 02-MAY-2014 12:32
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL3,65550:0

Original Ion: 145 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)



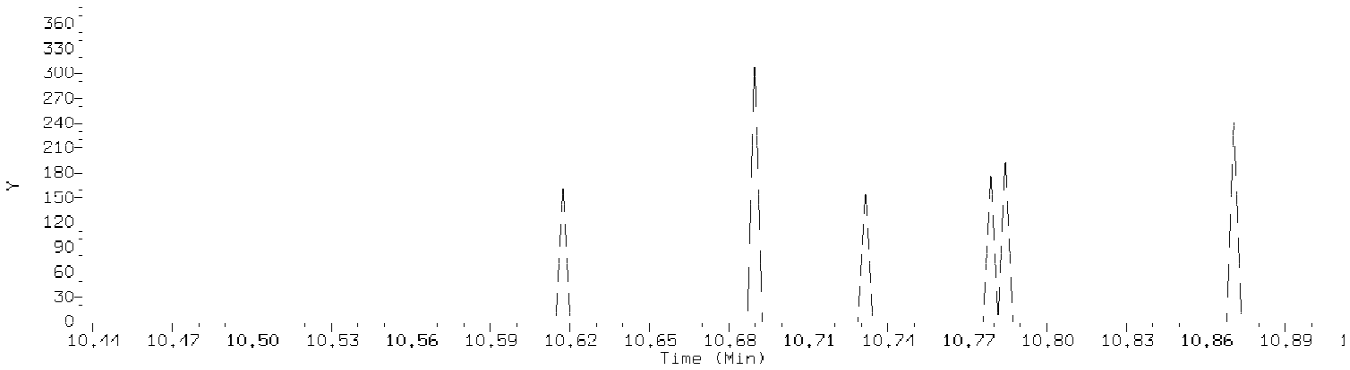
Manually Integrated Ion: 145 Area: 900 Height: 1235 (02-May-2014 15:45 dengelhardt)



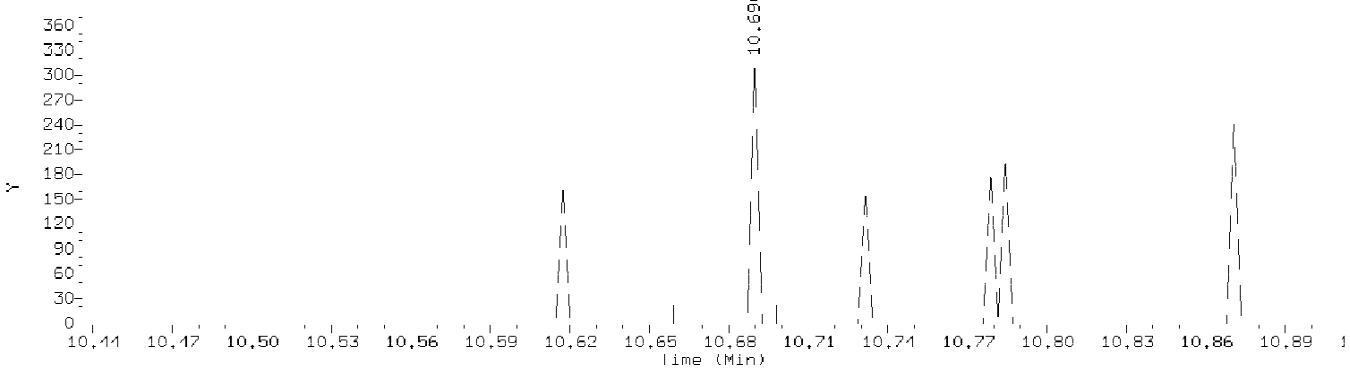
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b04cal3.d
Injection Date: 02-MAY-2014 12:32
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL3,65550:0

Compound: 2,methyl-naphthalene
CAS Number:

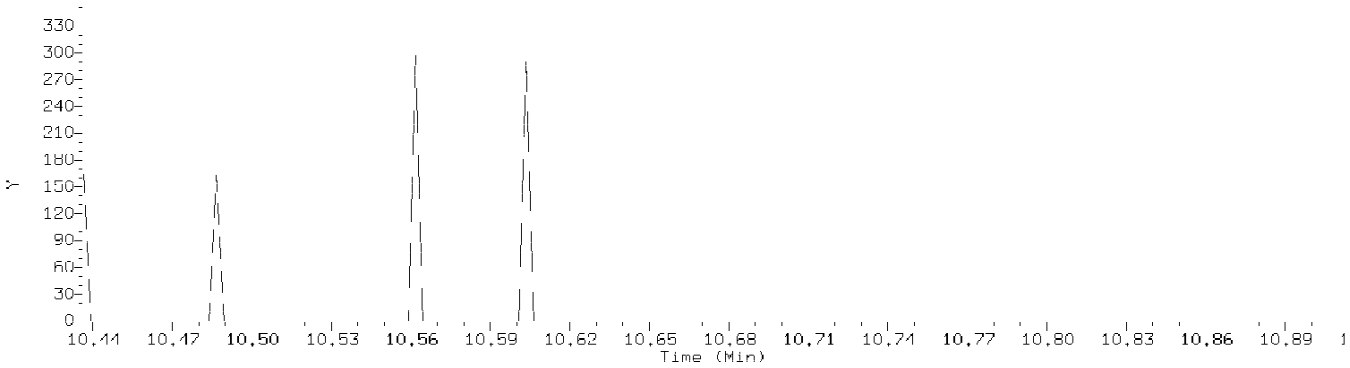
Original Ion: 142 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)



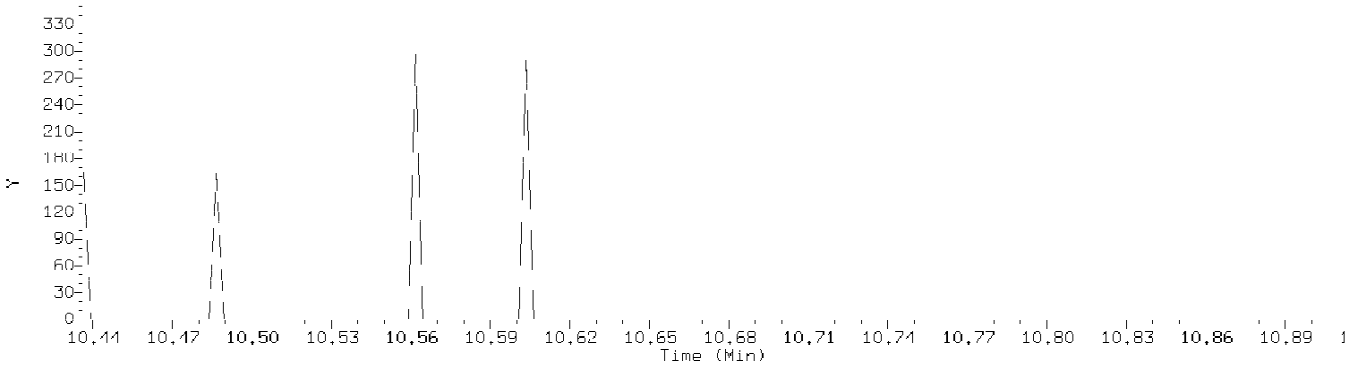
Manually Integrated Ion: 142 Area: 53 Height: 321 (02-May-2014 15:45 dengelhardt)



Original Ion: 141 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)

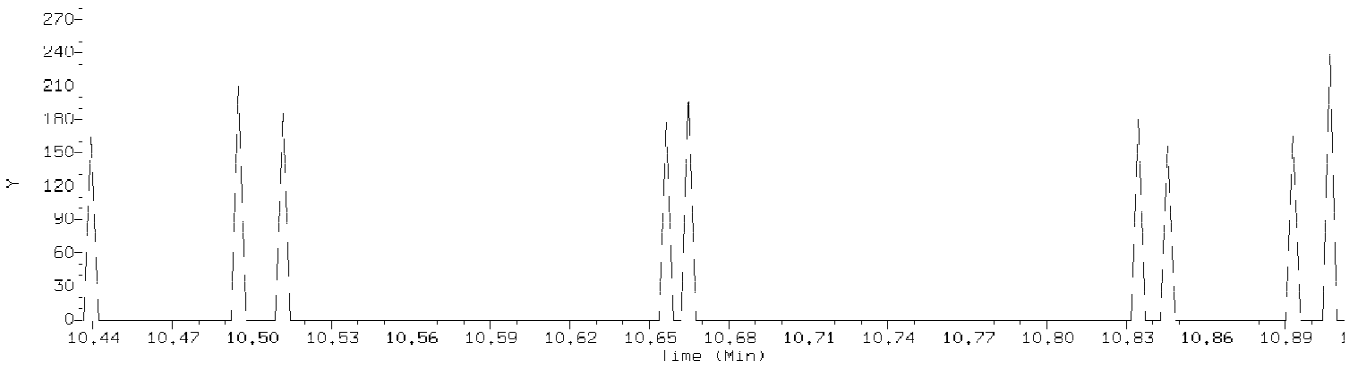


Manually Integrated Ion: 141 Area: 0 Height: 0 (02-May-2014 15:45 dengelhardt)

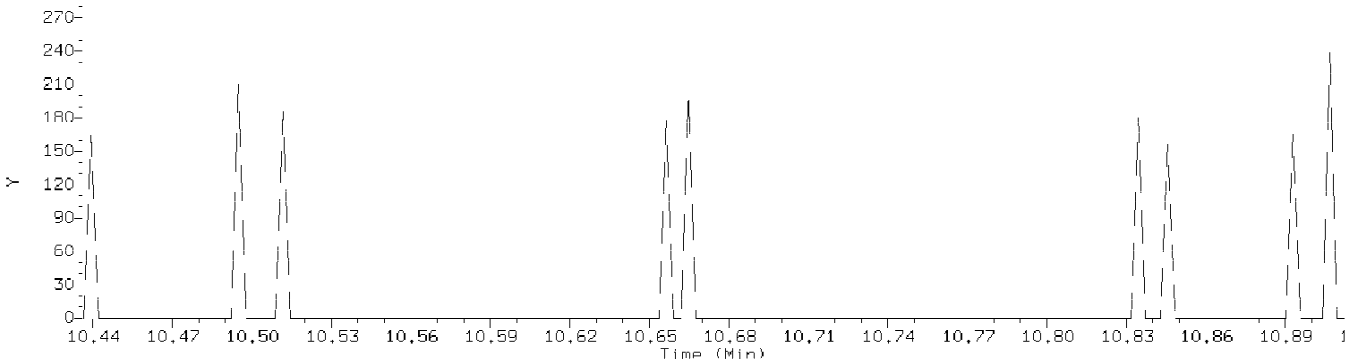


Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b04cal3.d
Injection Date: 02-MAY-2014 12:32
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL3,65550:0

Original Ion: 115 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)



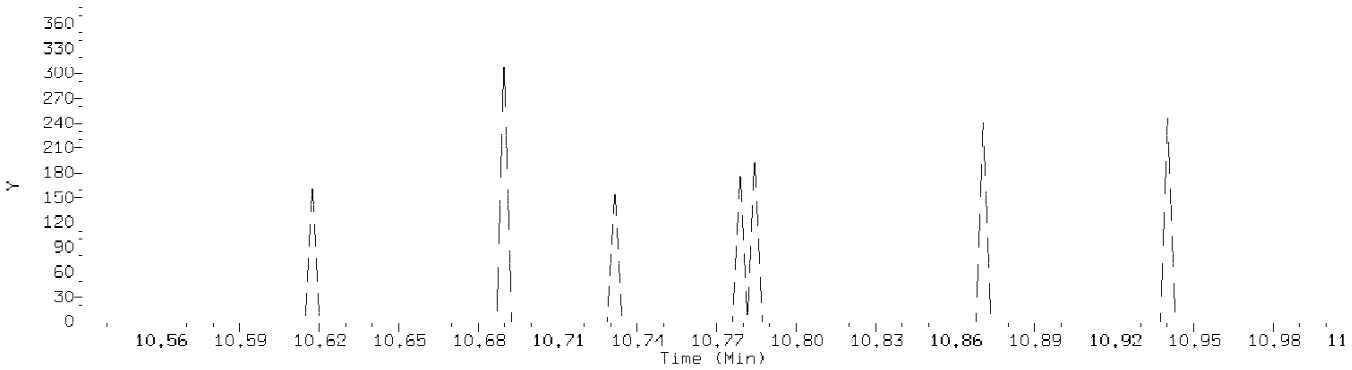
Manually Integrated Ion: 115 Area: 0 Height: 0 (02-May-2014 15:45 dengelhardt)



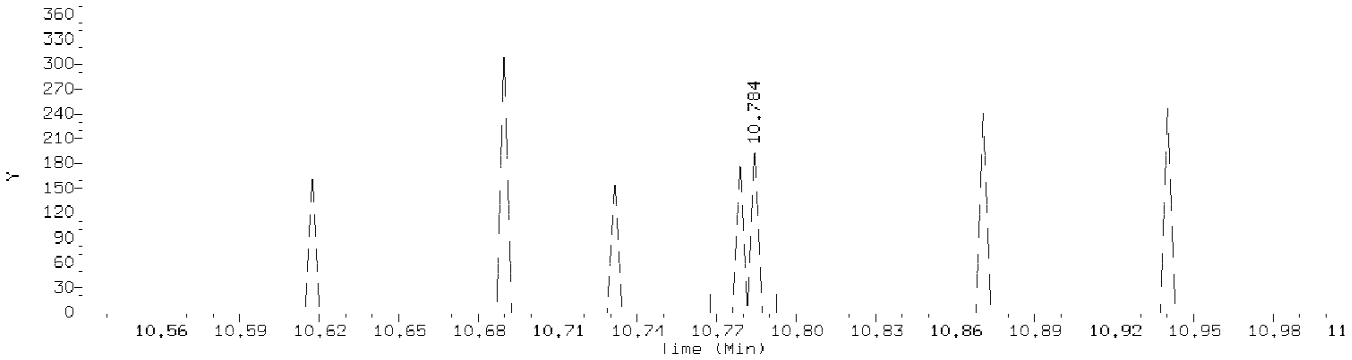
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b04cal3.d
Injection Date: 02-MAY-2014 12:32
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL3,65550:0

Compound: 1-Methylnaphthalene
CAS Number: 90-12-0

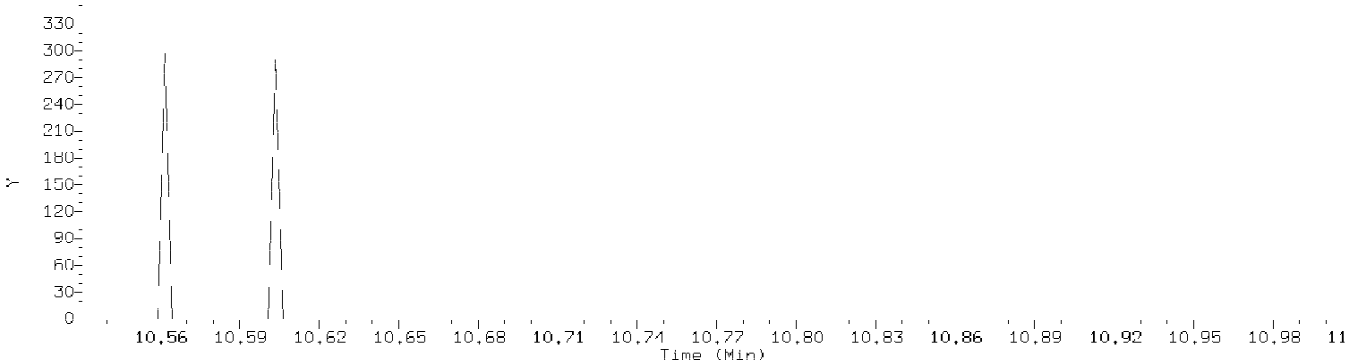
Original Ion: 142 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)



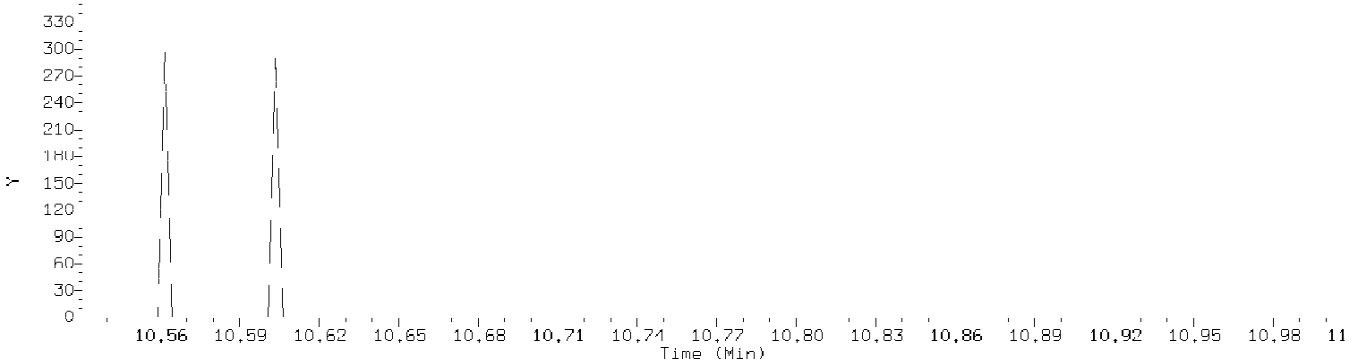
Manually Integrated Ion: 142 Area: 64 Height: 201 (02-May-2014 15:45 dengelhardt)



Original Ion: 141 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)

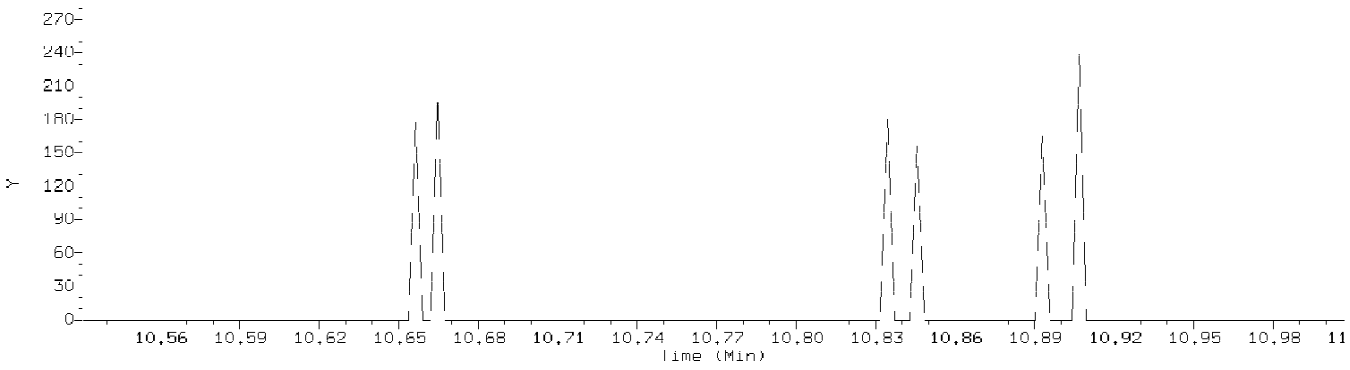


Manually Integrated Ion: 141 Area: 0 Height: 0 (02-May-2014 15:45 dengelhardt)

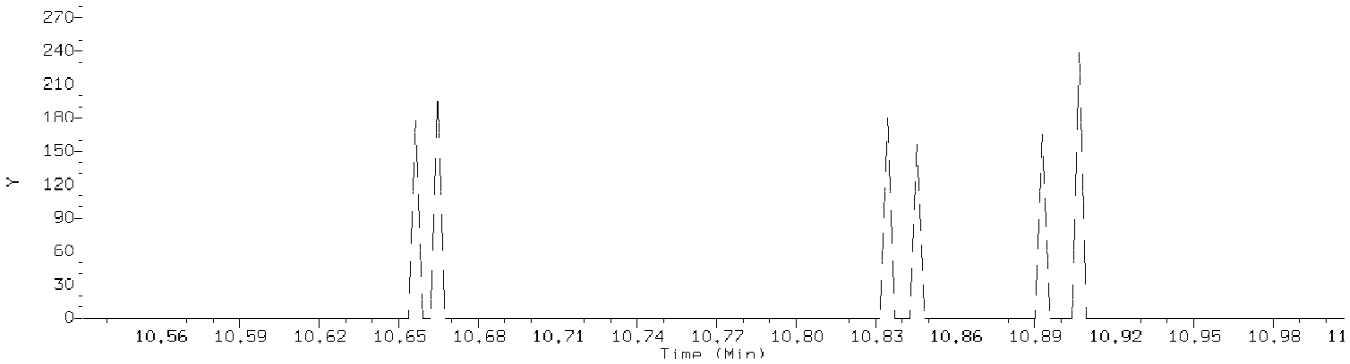


Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b04cal3.d
Injection Date: 02-MAY-2014 12:32
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL3,65550:0

Original Ion: 115 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)



Manually Integrated Ion: 115 Area: 0 Height: 0 (02-May-2014 15:45 dengelhardt)



Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b05cal4.d Page 1
Report Date: 05-May-2014 13:36

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b05cal4.d
Lab Smp Id: 8260-CAL4,65551:0 Client Smp ID: 8260-CAL4,65551:0
Inj Date : 02-MAY-2014 13:06
Operator : dac Inst ID: 50mv2b.i
Smp Info : 8260-cal4,65551:0
Misc Info : 64180
Comment :
Method : \\192.168.50.6\chem\50mv2b.i\b050214cal.b\-b8260_a_b.m
Meth Date : 05 May 2014 11:52 dengelhard Quant Type: ISTD
Cal Date : 15 APR 2014 22:38 Cal File: b09cal8.d
Als bottle: 56 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIC MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	REVIEW C
1	Dichlorodifluoromethane	85	0.974	0.971	(0.233)	11801	5.00000	4.19(M)	GT
2	Chloromethane	50	1.079	1.077	(0.258)	10399	5.00000	4.06(M)	GT
3	Vinyl Chloride	62	1.099	1.099	(0.263)	10760	5.00000	4.29	
4	Bromomethane	94	1.244	1.238	(0.297)	3846	5.00000	5.35	
5	Chloroethane	64	1.291	1.285	(0.309)	6748	5.00000	2.68	
6	Trichlorofluoromethane	101	1.399	1.397	(0.335)	10424	5.00000	4.22	
7	Diethyl ether	74	1.519	1.519	(0.363)	5367	5.00000	4.00	
8	Acrolein	56	1.591	1.591	(0.381)	24013	100.000	80.5	
9	1,1-Dichloroethene	96	1.650	1.647	(0.395)	8989	5.00000	4.93	
10	1,1,2Trichlorotrifluoroethane	101	1.644	1.641	(0.393)	10979	5.00000	5.09	
11	Acetone	43	1.658	1.658	(0.397)	14586	25.0000	20.1	
12	Iodomethane	142	1.733	1.733	(0.415)	8426	10.0000	14.9	
141	Acetonitrile	39	1.839	1.839	(0.440)	22034	5.00000	5.22	
13	Carbon Disulfide	76	1.781	1.778	(0.426)	46454	10.0000	9.50	
14	allyl chloride	41	1.842	1.839	(0.441)	24899	10.0000	10.2	
15	Methylene Chloride	84	1.914	1.914	(0.458)	10176	5.00000	3.91	
16	Acrylonitrile	53	2.048	2.048	(0.490)	73223	100.000	98.2	
17	tert-Butyl Alcohol	59	1.956	1.956	(0.468)	1683	10.0000	7.63(M)	WP
18	1,2-Dichloroethene (trans)	96	2.084	2.081	(0.498)	9553	5.00000	4.79	
19	Methyl-tert-butyl ether	73	2.073	2.073	(0.496)	54283	10.0000	10.3	
20	n-Hexane	57	2.262	2.262	(0.541)	12535	5.00000	4.20	
138	Methyl Acetate	43	1.822	1.822	(0.436)	7634	5.00000	4.42	
21	1,1-Dichloroethane	63	2.387	2.384	(0.571)	19316	5.00000	4.34	

Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b05cal4.d Page 2
Report Date: 05-May-2014 13:36

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL AMT (ppb)	AMOUNTS ON COL (ppb)	REVIEW C
	23 Vinyl Acetate	43	2.373	2.373	(0.560)	55711	20.0000	14.4	
	143 Chloroprene	53	2.434	2.437	(0.582)	17415	5.00000	4.44	
	24 2,2-Dichloropropane	77	2.860	2.857	(0.684)	12179	5.00000	4.72	
	25 1,2-Dichloroethene (cis)	96	2.849	2.852	(0.681)	13452	5.00000	5.10	
	26 2-Butanone	43	2.838	2.838	(0.679)	24215	25.0000	23.9	
	27 Propionitrile	54	2.905	2.893	(0.695)	1854	5.00000	6.93(QM)	NI
	142 Methacrylonitrile	41	3.041	3.041	(0.727)	6993	20.0000	19.9	
	28 1,2-dichlorotrifluoroethane	67	1.538	1.538	(0.368)	12698	5.00000	4.94	
	29 Bromochloromethane	49	3.080	3.080	(0.737)	9901	5.00000	5.10	
	30 Tetrahydrofuran	42	3.094	3.094	(0.740)	4072	5.00000	2.12	
	31 Chloroform	83	3.191	3.188	(0.763)	23268	5.00000	4.87	
$	32 Dibromofluoromethane (S)	113	3.364	3.361	(0.804)	98372	50.0000	50.5	
	33 1,1,1-Trichloroethane	97	3.358	3.361	(0.803)	18265	5.00000	4.93	
	34 cyclohexane	56	3.444	3.436	(0.824)	18614	5.00000	4.68	
	35 Carbon Tetrachloride	117	3.531	3.536	(0.844)	14145	5.00000	5.28	
	36 1,1-Dichloropropene	75	3.550	3.547	(0.849)	15785	5.00000	5.07	
	37 Isobutyl alcohol	43	3.953	3.951	(0.945)	5052	5.00000	5.84(M)	NI
	38 Benzene	78	3.789	3.787	(0.906)	41090	5.00000	4.63	
	39 1,2-Dichloroethane	62	3.876	3.876	(0.927)	19140	5.00000	4.97	
	144 2,2,4-Trimethylpentane	57	3.956	3.956	(0.946)	31140	5.00000	4.66	
*	40 Fluorobenzene	96	4.182	4.179	(1.000)	329285	50.0000		
	41 Trichloroethene	95	4.616	4.618	(1.104)	12251	5.00000	4.98	
	139 Methylcyclohexane	55	4.877	4.874	(1.166)	13410	5.00000	5.44	
	42 1,2-Dichloropropane	63	4.922	4.919	(1.177)	10511	5.00000	5.42(M)	NI
	43 Dibromomethane	93	5.005	5.005	(1.197)	6776	5.00000	4.55	
	140 1,4-Dioxane	88	5.005	5.011	(1.197)	1853	5.00000	5.73	
	44 Methyl methacrylate	69	5.030	5.027	(1.203)	6458	5.00000	5.03	
	45 Bromodichloromethane	83	5.225	5.222	(1.249)	12663	5.00000	5.15	
	46 2-Chloroethyl vinyl ether	63	5.562	5.556	(0.767)	8192	20.0000	22.7	
	47 cis 1,3 Dichloropropene	75	5.690	5.687	(0.785)	11697	5.00000	4.80	
	48 4 Methyl 2 Pentanone	43	5.857	5.857	(0.808)	44454	25.0000	26.1	
$	49 Toluene d8	98	5.948	5.948	(0.820)	333588	50.0000	50.3	
	50 Toluene	91	6.015	6.015	(0.830)	47369	5.00000	4.81	
	51 trans-1,3-Dichloropropene	75	6.282	6.285	(0.866)	8787	5.00000	5.40	
	52 Ethyl Methacrylate	69	6.368	6.368	(0.878)	11691	5.00000	4.98(M)	NI
	53 1,1,2-Trichloroethane	83	6.466	6.466	(0.892)	7212	5.00000	4.69	
	54 Tetrachloroethene	166	6.510	6.513	(0.898)	13262	5.00000	5.14	
	55 1,3-Dichloropropane	76	6.608	6.608	(0.911)	15214	5.00000	4.74	
	56 2-Hexanone	43	6.680	6.677	(0.921)	30452	25.0000	25.9	
	57 Dibromochloromethane	129	6.789	6.789	(0.936)	7033	5.00000	5.06	
	58 1,2-Dibromoethane	107	6.878	6.875	(0.949)	8963	5.00000	4.92	
*	59 Chlorobenzene-d5	117	7.250	7.250	(1.000)	268009	50.0000		
	60 Chlorobenzene	112	7.275	7.273	(1.003)	32416	5.00000	5.04	
	61 1,1,1,2-Tetrachloroethane	131	7.356	7.353	(1.015)	8631	5.00000	5.12	
	62 Ethylbenzene	106	7.365	7.362	(1.016)	17656	5.00000	4.88	
	63 m&p-Xylene	106	7.462	7.465	(1.029)	43634	10.0000	9.73	
	65 o-Xylene	106	7.732	7.732	(1.066)	19856	5.00000	4.94	
	66 Styrene	104	7.751	7.751	(1.069)	33165	5.00000	5.35	
	67 Bromoform	173	7.871	7.868	(0.892)	3594	5.00000	4.98(M)	NI
	68 Isopropylbenzene	105	7.991	7.991	(1.102)	53101	5.00000	5.34	
	69 trans-1,4-Dichloro-2-butene	53	8.227	8.230	(1.135)	2254	5.00000	6.74(M)	WP
$	70 4-Bromofluorobenzene	95	8.105	8.102	(1.118)	143272	50.0000	50.4	
	71 Bromobenzene	77	8.185	8.185	(1.129)	19760	5.00000	4.63	
	72 1,1,2,2-Tetrachloroethane	83	8.205	8.205	(0.930)	10844	5.00000	5.01	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL AMT (ppb)	AMOUNTS ON COL (ppb)	REVIEW C
73	1,2,3-Trichloropropane	110	8.230	8.235	(0.933)	4198	5.00000	4.20(Q)	
74	n-Propylbenzene	91	8.263	8.263	(0.936)	60120	5.00000	5.17	
75	2-Chlorotoluene	91	8.310	8.310	(0.942)	39208	5.00000	4.88	
76	4-Chlorotoluene	126	8.391	8.391	(0.951)	13683	5.00000	4.99	
77	1,3,5-Trimethylbenzene	105	8.383	8.383	(0.950)	45315	5.00000	5.27	
78	tert-Butylbenzene	119	8.575	8.575	(0.972)	42503	5.00000	4.88	
79	1,2,4-Trimethylbenzene	105	8.611	8.611	(0.976)	45565	5.00000	5.25	
80	sec-Butylbenzene	105	8.711	8.711	(0.987)	52076	5.00000	5.22	
81	1,3-Dichlorobenzene	146	8.775	8.775	(0.994)	23981	5.00000	4.97	
* 82	1,4-Dichlorobenzene-d4	152	8.825	8.825	(1.000)	141055	50.0000		
83	p-Isopropyltoluene	119	8.806	8.806	(0.998)	46265	5.00000	5.29	
84	1,4-Dichlorobenzene	146	8.839	8.839	(1.002)	25283	5.00000	4.97	
85	1,2-Dichlorobenzene	146	9.042	9.045	(1.025)	21897	5.00000	5.05	
86	n-Butylbenzene	91	9.042	9.042	(1.025)	36990	5.00000	5.29	
87	1,2-Dibromo-3-chloropropane	155	9.496	9.496	(1.076)	1291	5.00000	5.80(M)	NI
88	1,2,4-Trichlorobenzene	180	9.944	9.944	(1.127)	11775	5.00000	6.52	
89	Hexachlorobutadiene	225	10.022	10.022	(1.136)	7770	5.00000	5.73	
90	Naphthalene	128	10.086	10.086	(1.143)	27298	5.00000	9.38	
91	1,2,3-Trichlorobenzene	180	10.202	10.202	(1.156)	10737	5.00000	6.38	
92	2,methyl-naphthalene	142	10.687	10.687	(1.211)	796	5.00000	20.6(QM)	WP
145	1-Methylnaphthalene	142	10.784	10.781	(1.222)	2544	5.00000	79.4(QM)	NI

QC Flag Legend

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

Review Codes Legend

GT: Indicates that the peak in question was inappropriately integrated to an area greater than it should be (e.g., Peak tailing).
:
WP: Indicates that the wrong peak was chosen by the data system.
NI: Indicates that the peak was not integrated at all by the computer software.

Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b05cal4.d

Page 4

Date : 02-MAY-2014 13:06

Client ID: 8260-CAL4,65551:0

Instrument: 50mv2b.i

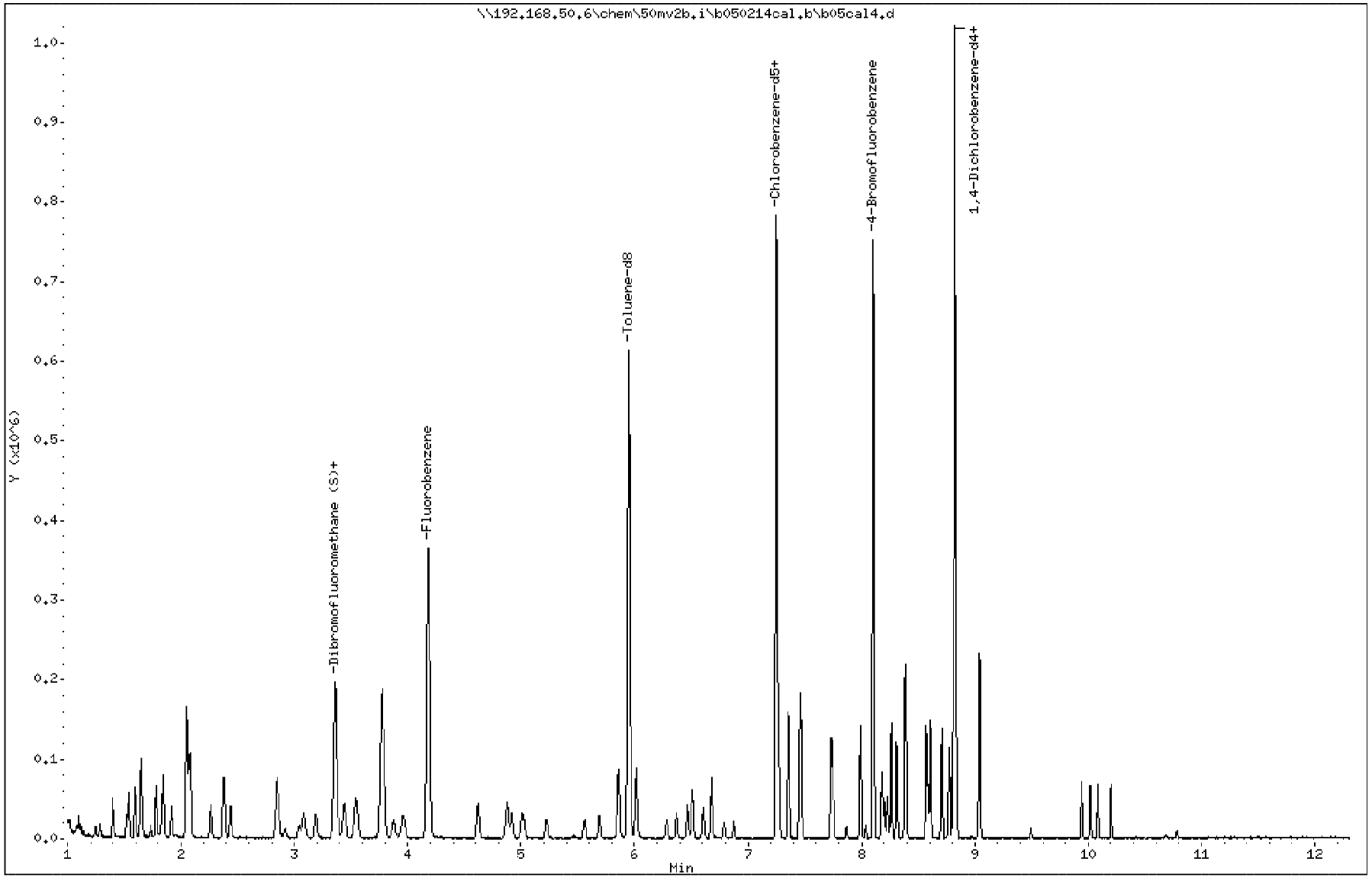
Sample Info: 8260-CAL4,65551:0

Purge Volume: 5.0

Operator: dae

Column phase: DB-624

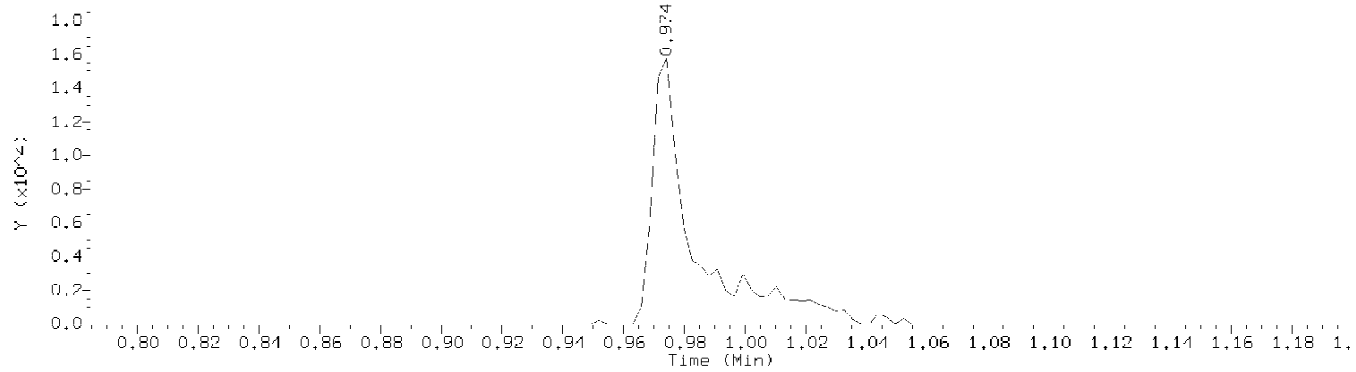
Column diameter: 0.18



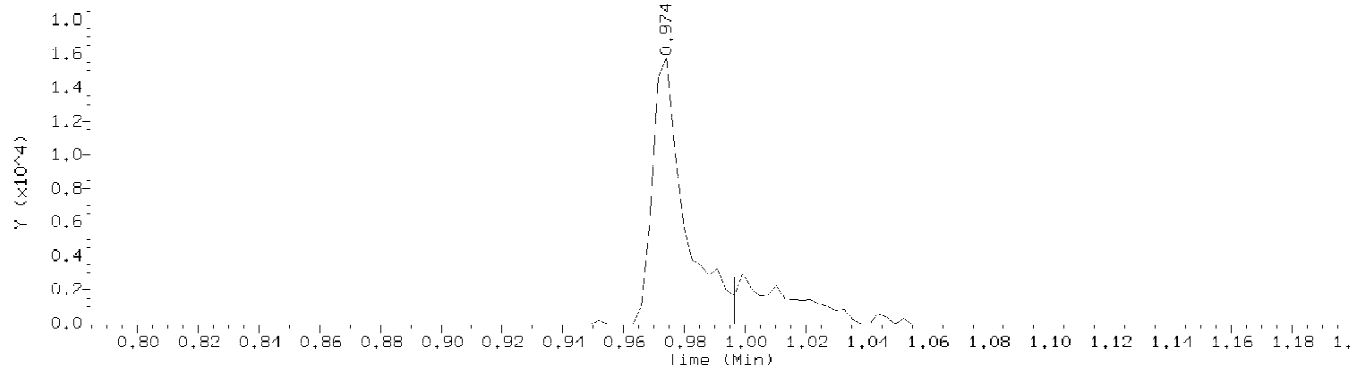
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b05cal4.d
Injection Date: 02-MAY-2014 13:06
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL4,65551:0

Compound: Dichlorodifluoromethane
CAS Number: 107-06-2

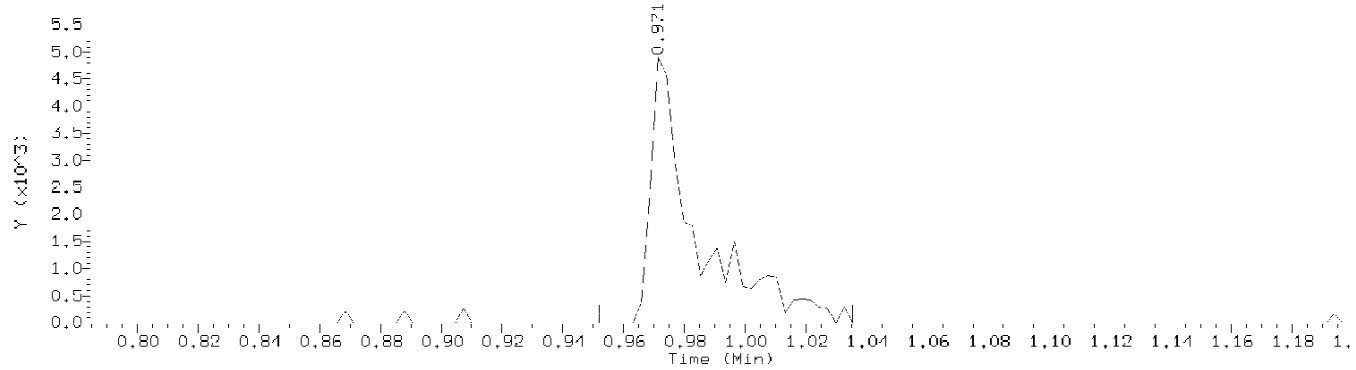
Original Ion: 85 Area: 15354 Height: 15771 (02-May-2014 13:25 dengelhardt)



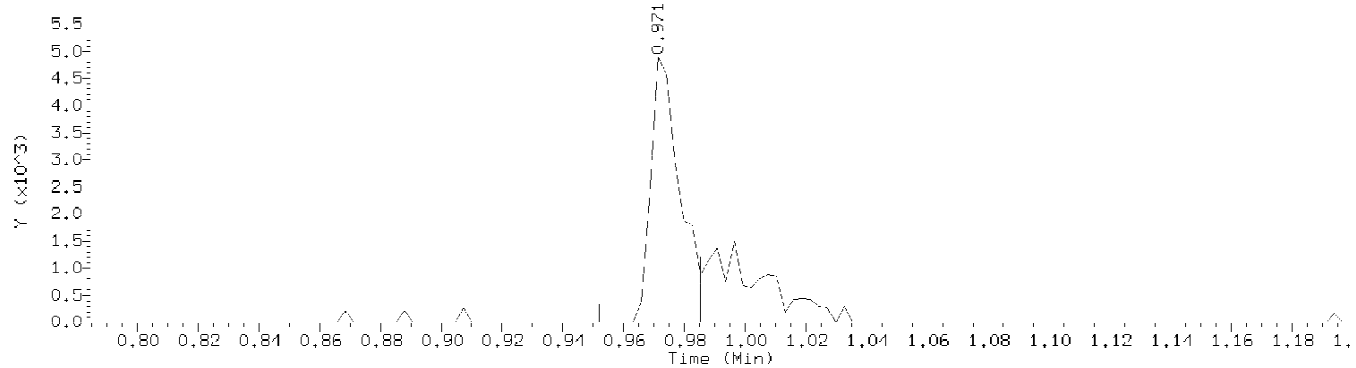
Manually Integrated Ion: 85 Area: 11801 Height: 15771 (02-May-2014 15:45 dengelhardt)



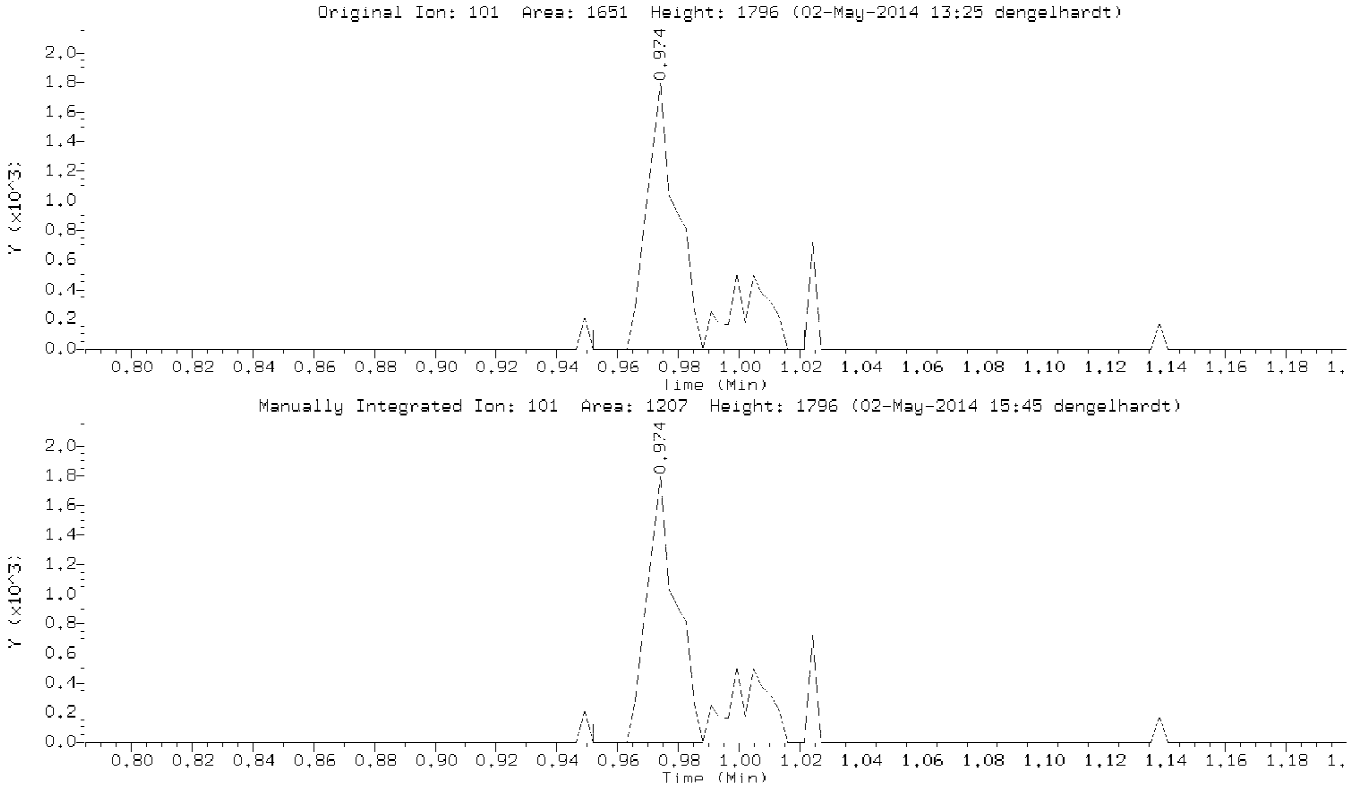
Original Ion: 87 Area: 5131 Height: 4907 (02-May-2014 13:25 dengelhardt)



Manually Integrated Ion: 87 Area: 3300 Height: 4907 (02-May-2014 15:45 dengelhardt)

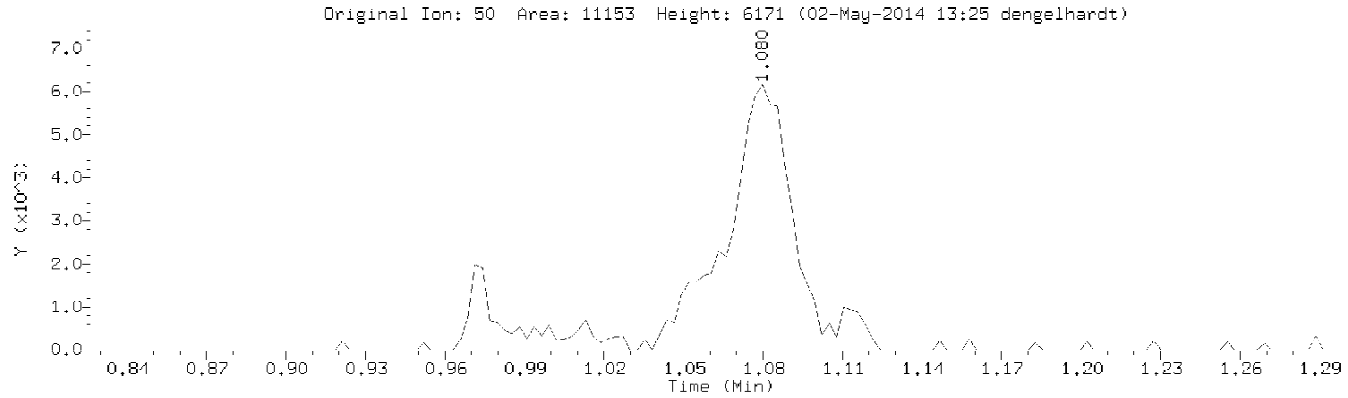


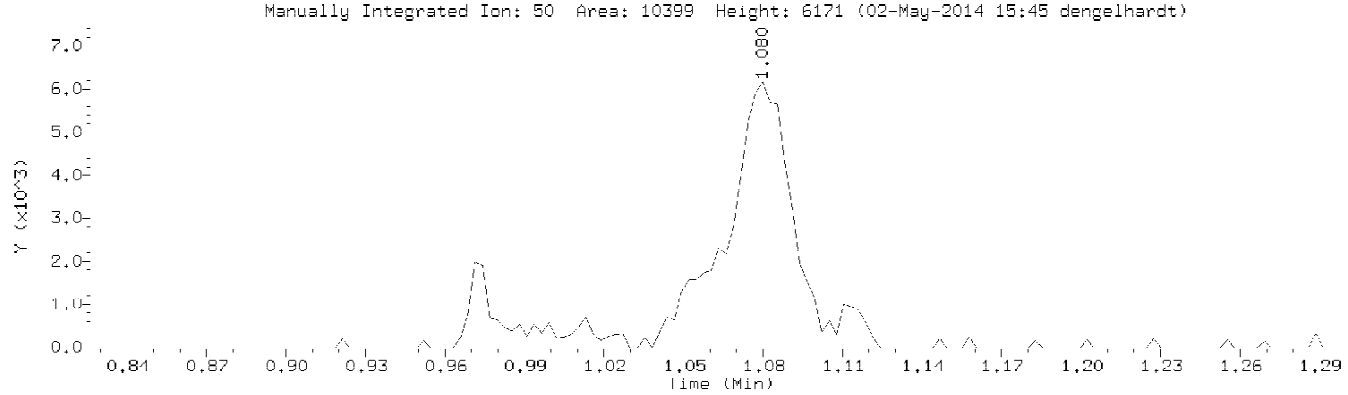
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b05cal4.d
Injection Date: 02-MAY-2014 13:06
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL4,65551:0

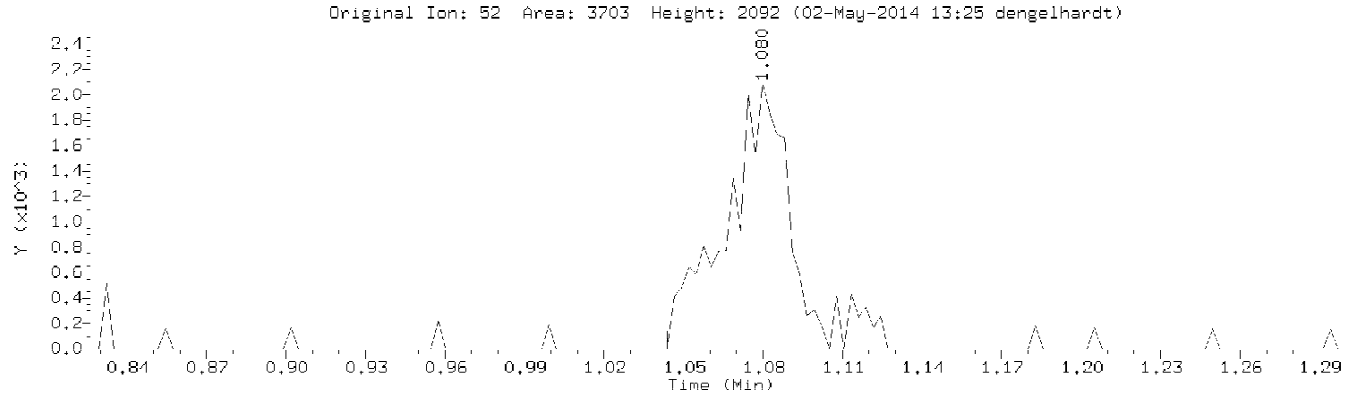


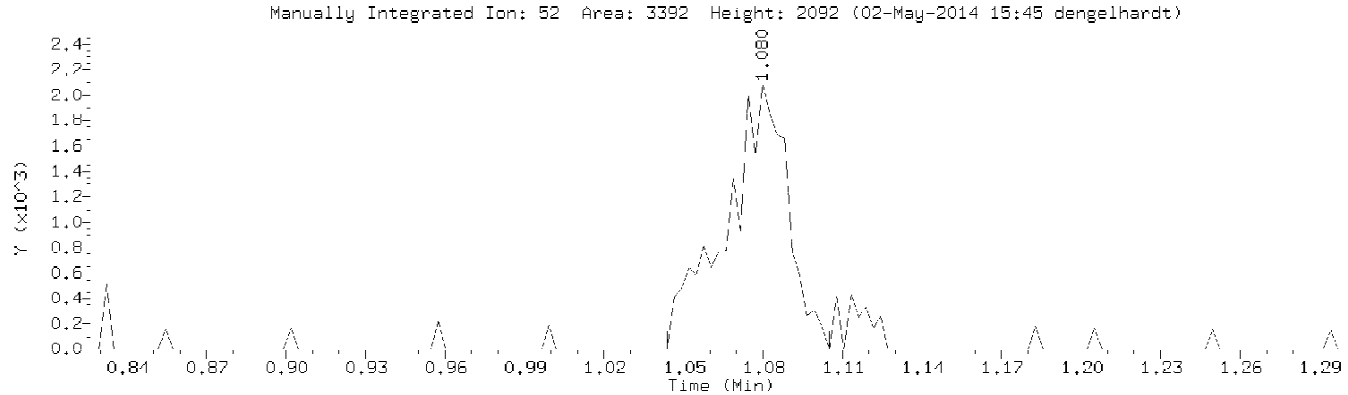
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b05cal4.d
Injection Date: 02-MAY-2014 13:06
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL4,65551:0

Compound: Chloromethane
CAS Number: 74-87-3









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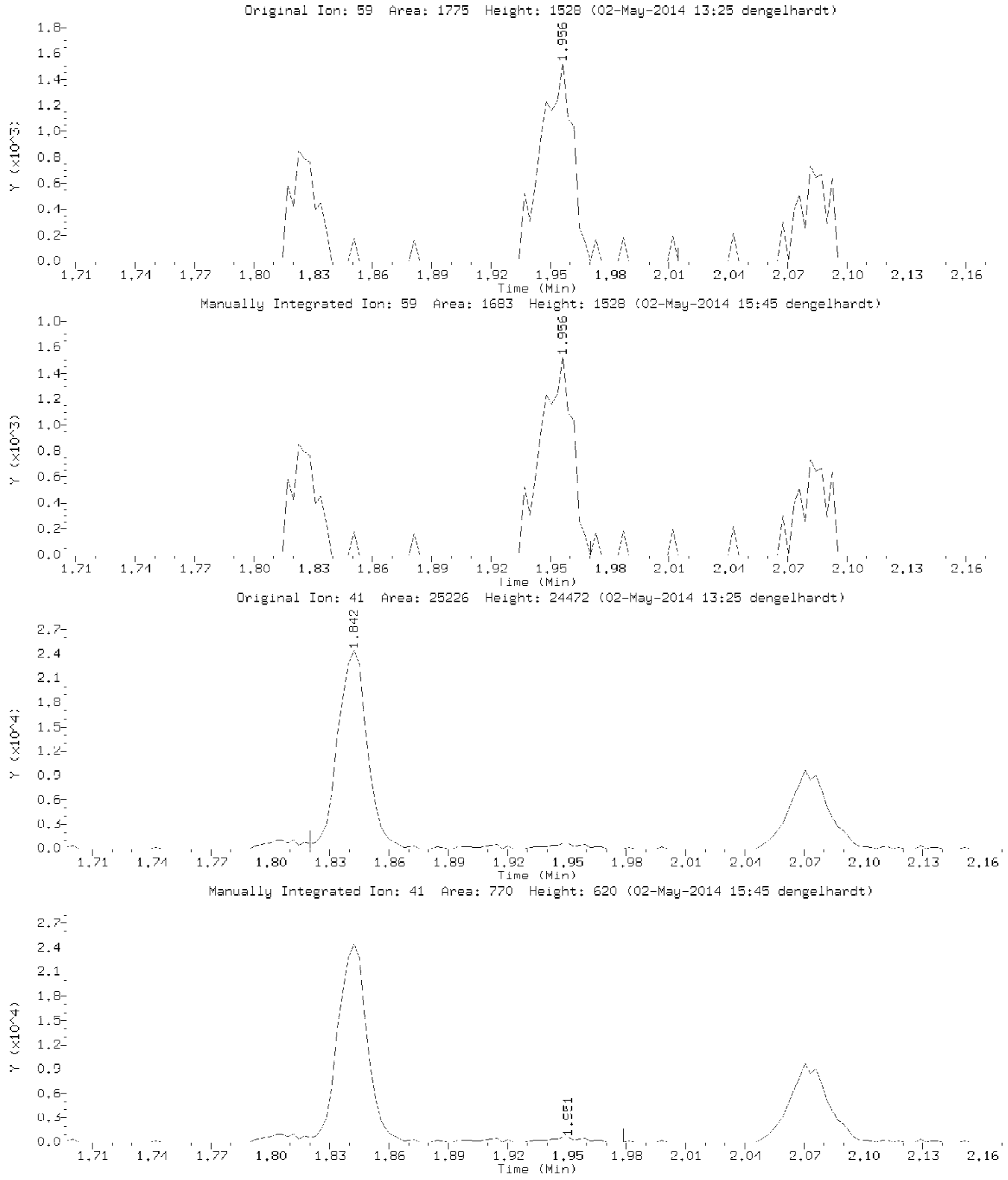
Injection Date: 02-MAY-2014 13:06
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL4,65551:0

Compound: tert-Butyl Alcohol
CAS Number: 75-65-0



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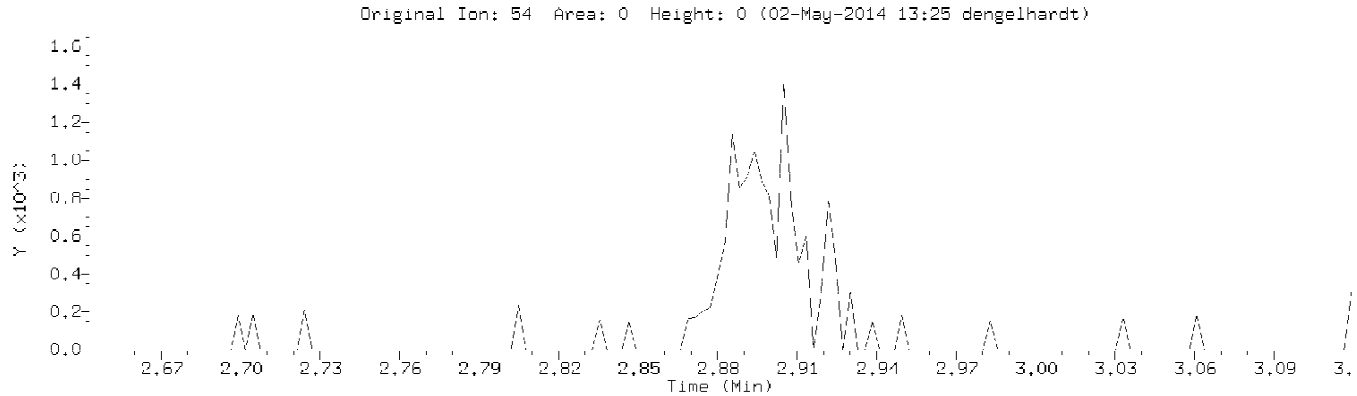
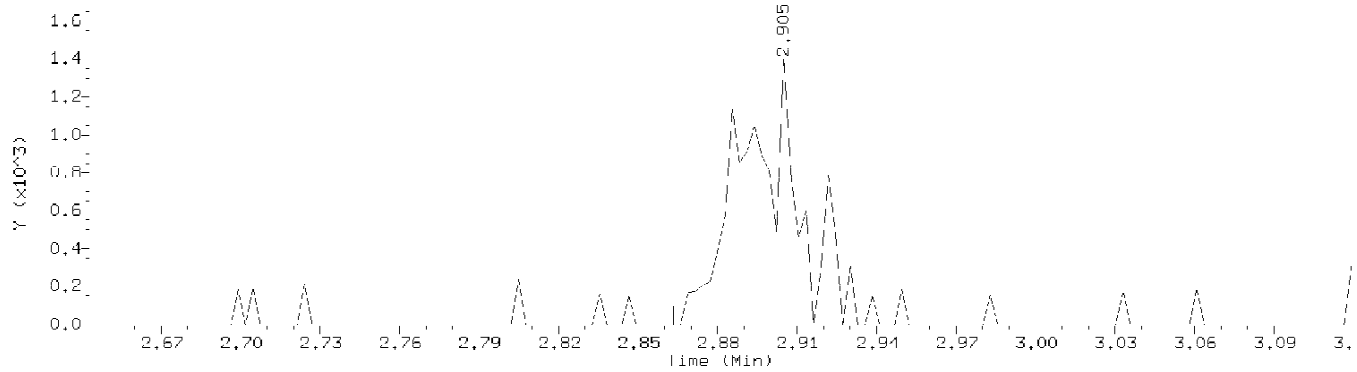
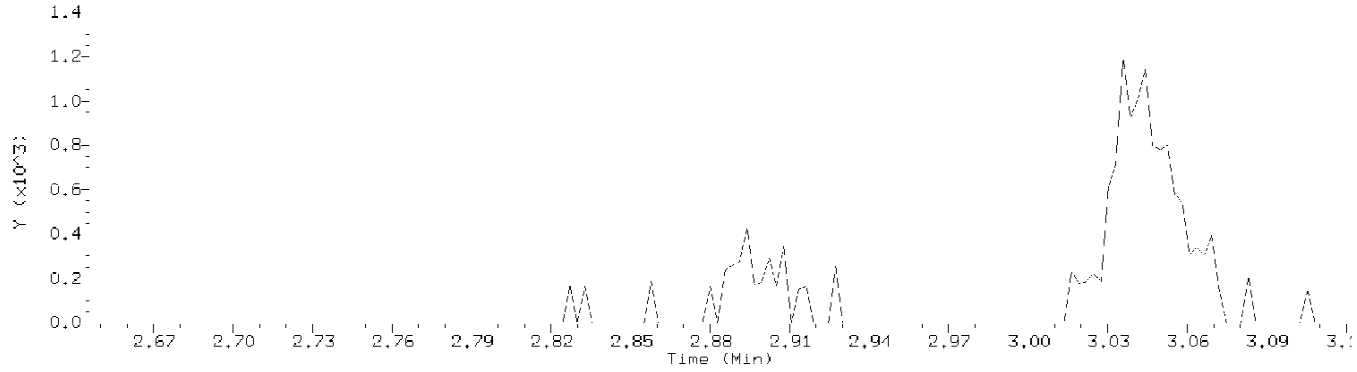
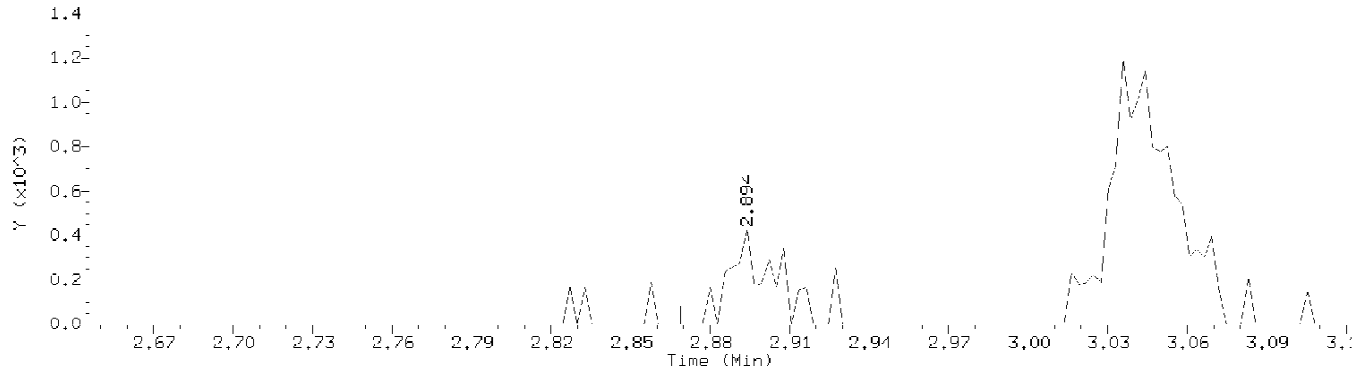
Injection Date: 02-MAY-2014 13:06
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL4,65551:0

Compound: Propionitrile
CAS Number: 107-12-0



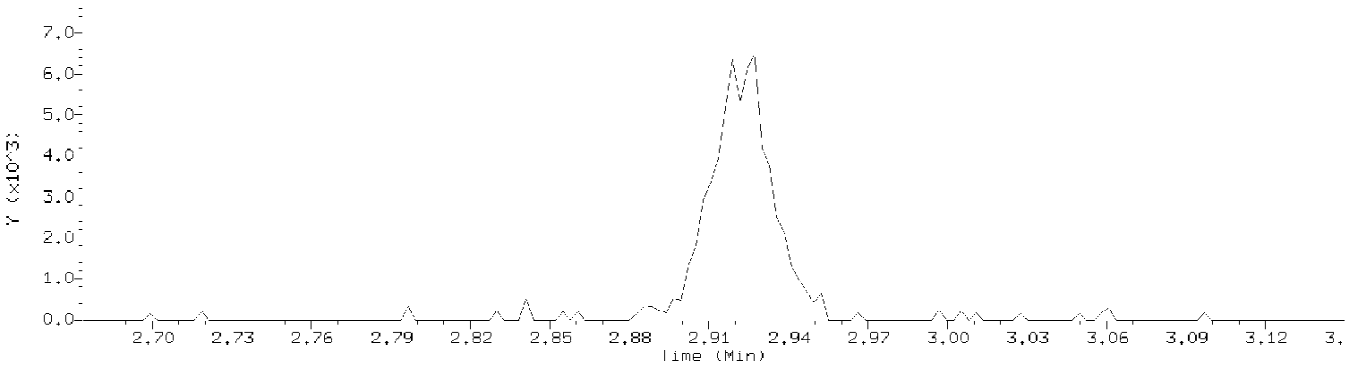




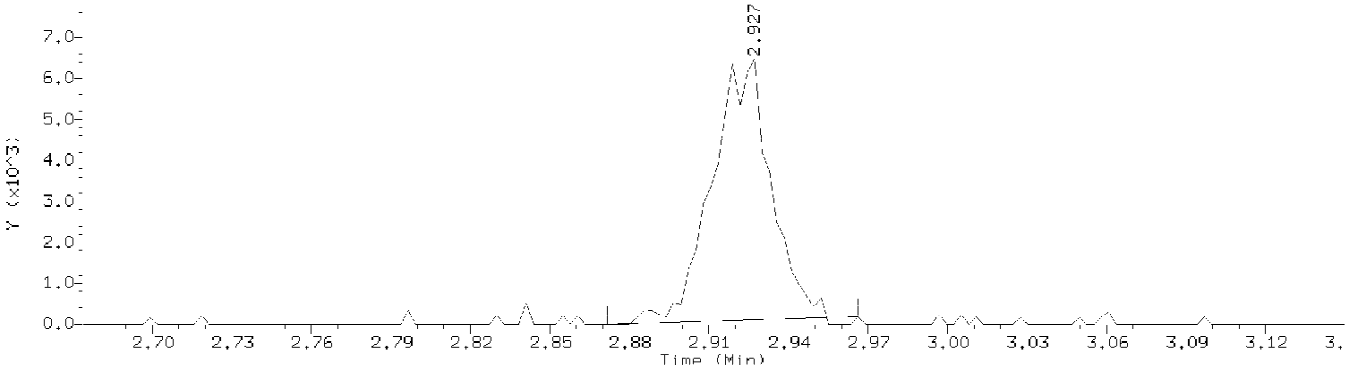


Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b05cal4.d
Injection Date: 02-MAY-2014 13:06
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL4,65551:0

Original Ion: 55 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)



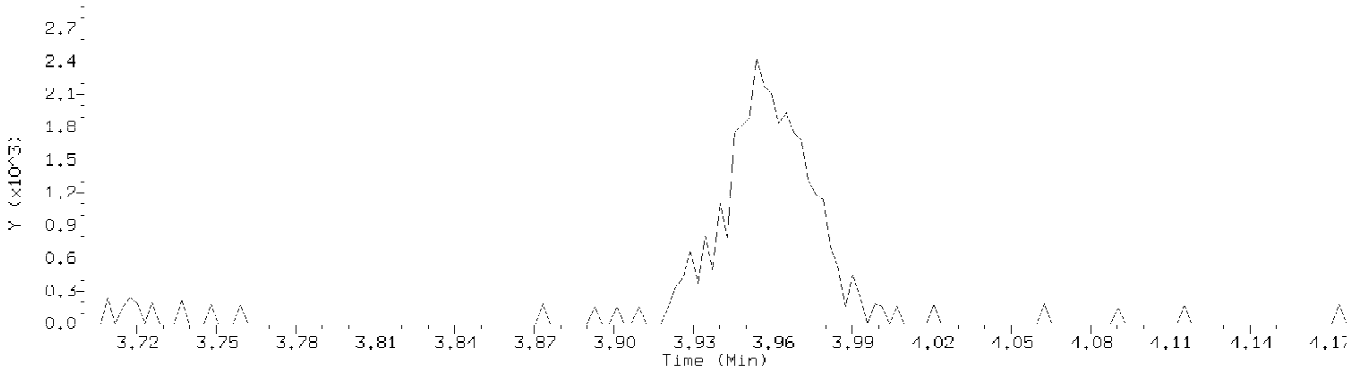
Manually Integrated Ion: 55 Area: 9783 Height: 6390 (02-May-2014 15:45 dengelhardt)



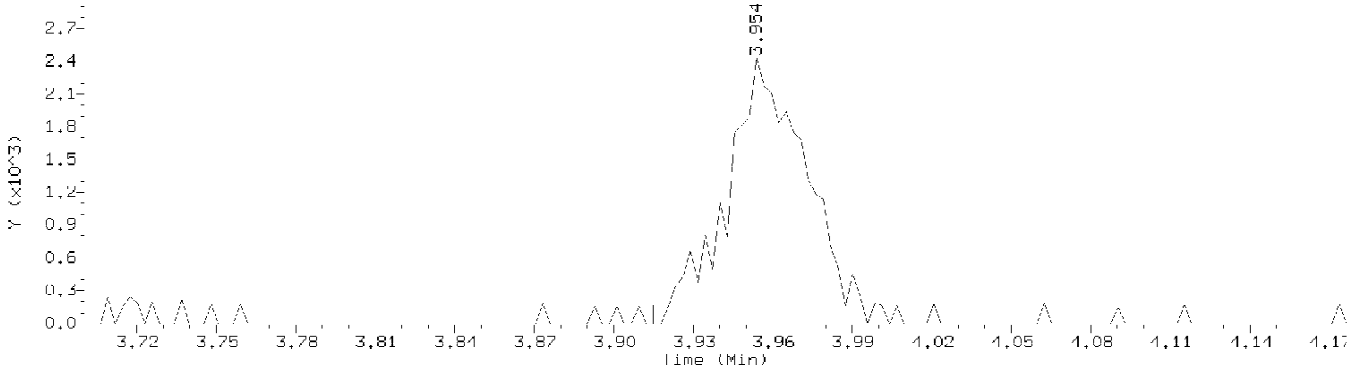
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b05cal4.d
Injection Date: 02-MAY-2014 13:06
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL4,65551:0

Compound: Isobutyl alcohol
CAS Number: 78-83-1

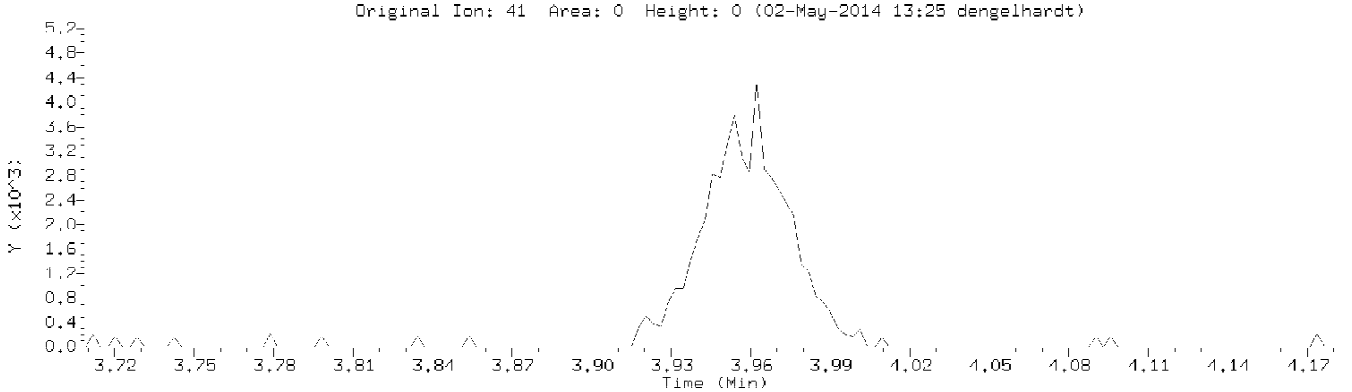
Original Ion: 43 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)



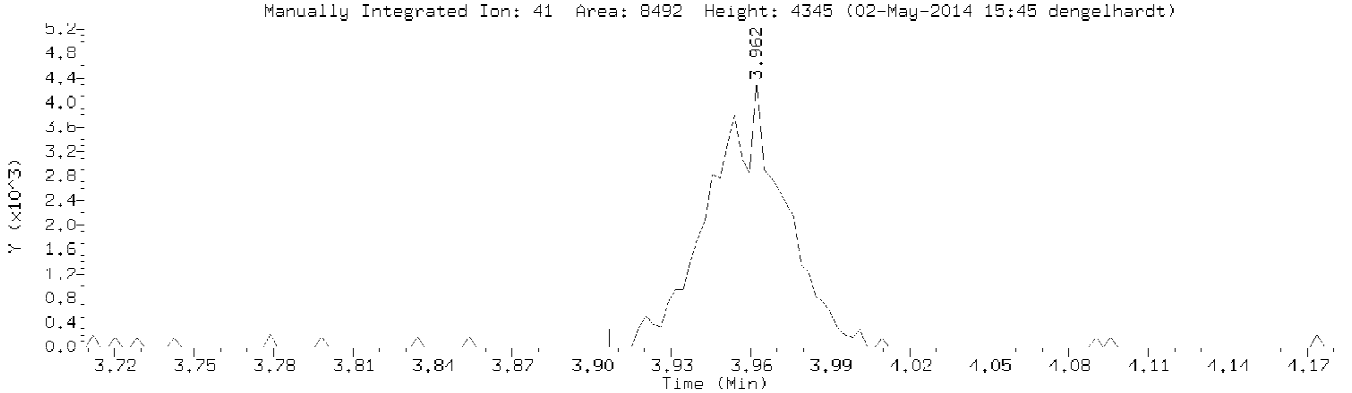
Manually Integrated Ion: 43 Area: 5052 Height: 2431 (02-May-2014 15:45 dengelhardt)



Original Ion: 41 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)

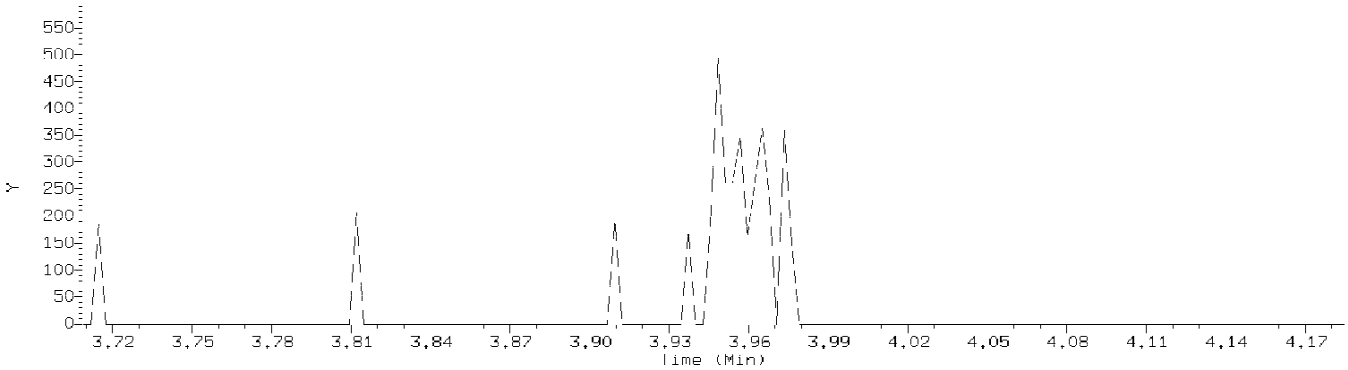


Manually Integrated Ion: 41 Area: 8492 Height: 4345 (02-May-2014 15:45 dengelhardt)

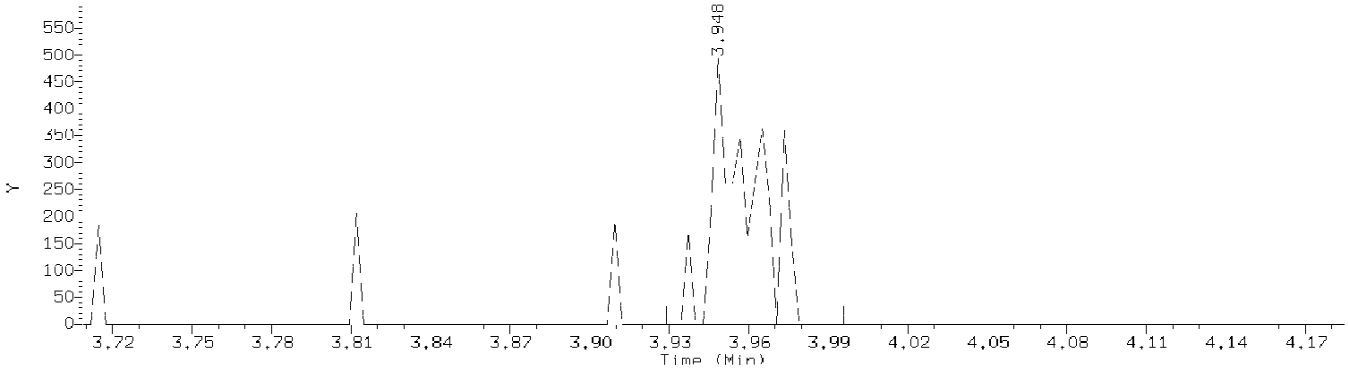


Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b05cal4.d
Injection Date: 02-MAY-2014 13:06
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL4,65551:0

Original Ion: 42 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)



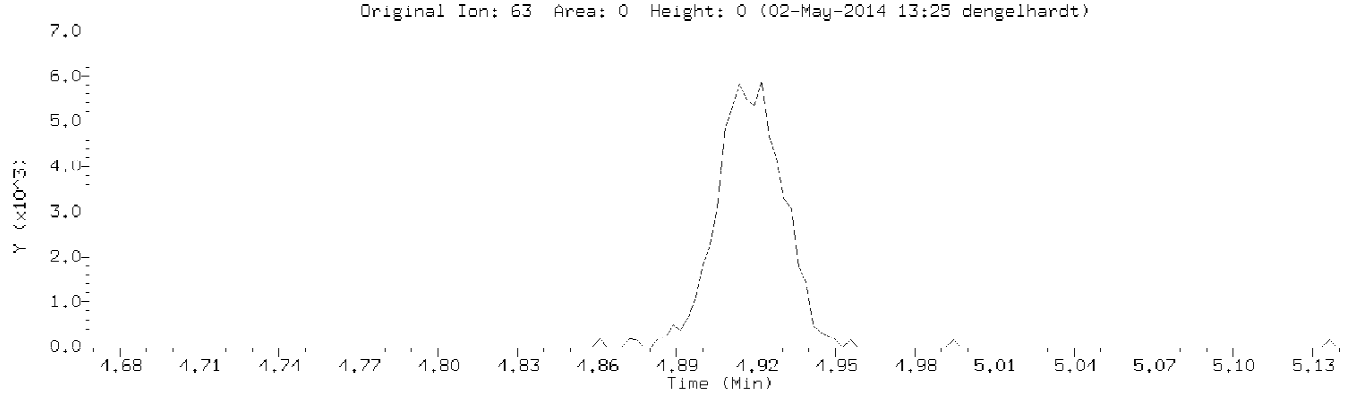
Manually Integrated Ion: 42 Area: 542 Height: 494 (02-May-2014 15:45 dengelhardt)



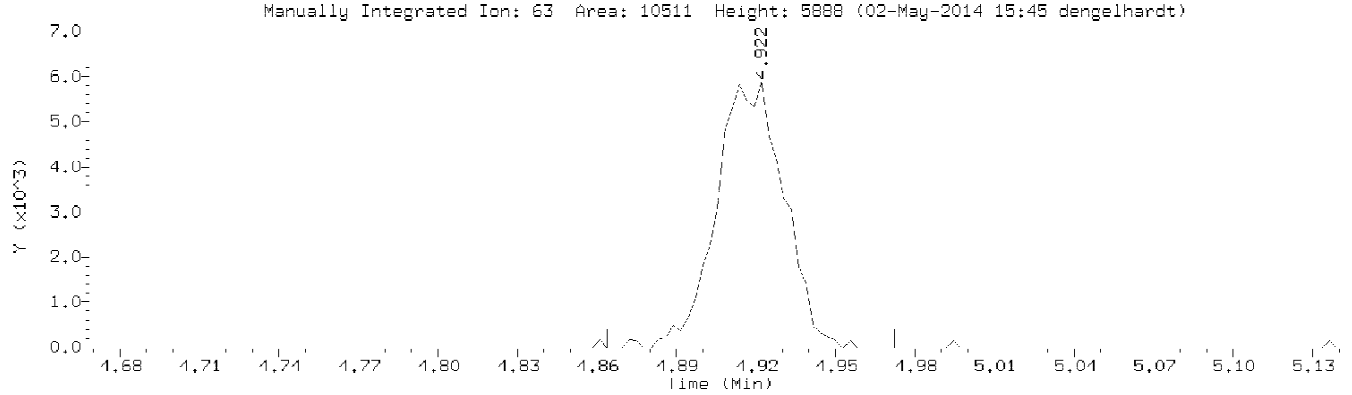
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b05cal4.d
Injection Date: 02-MAY-2014 13:06
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL4,65551:0

Compound: 1,2-Dichloropropane
CAS Number: 78-87-5

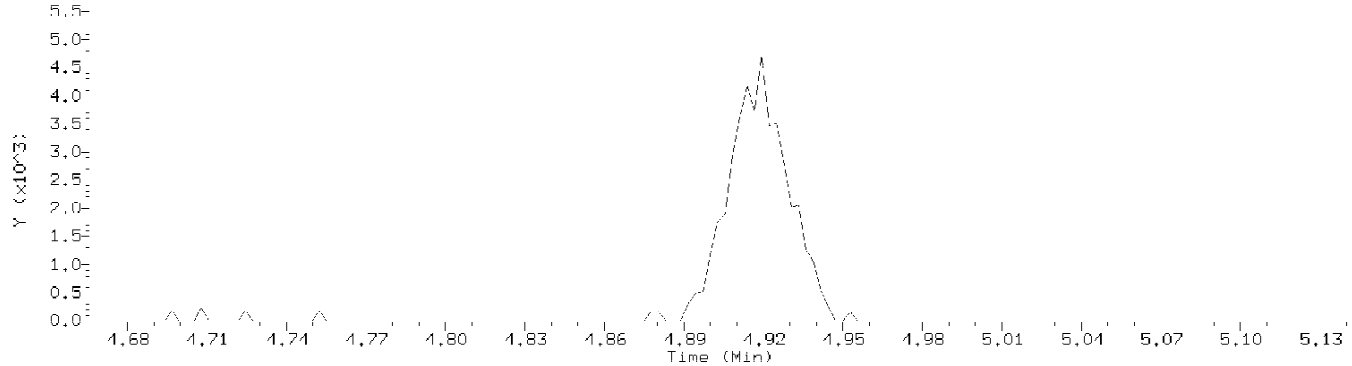
Original Ion: 63 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)



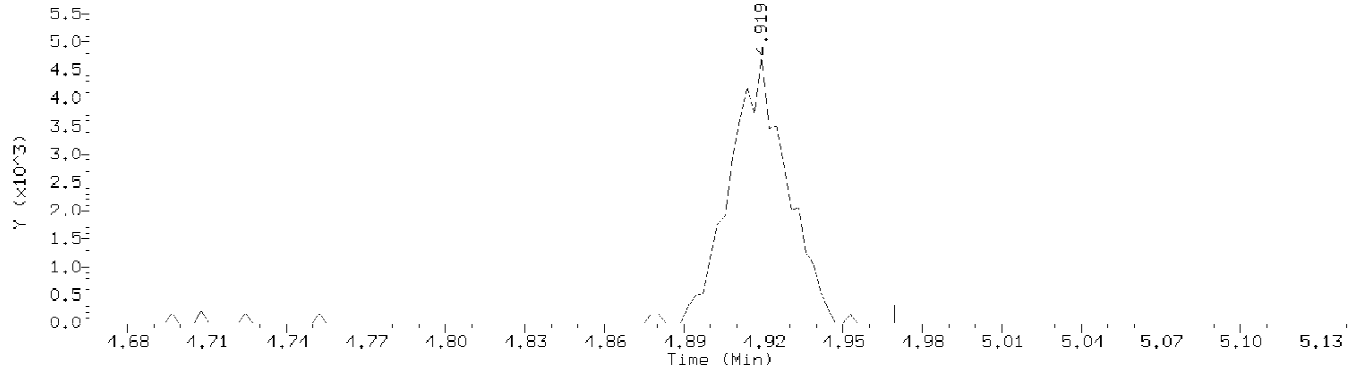
Manually Integrated Ion: 63 Area: 10511 Height: 5888 (02-May-2014 15:45 dengelhardt)



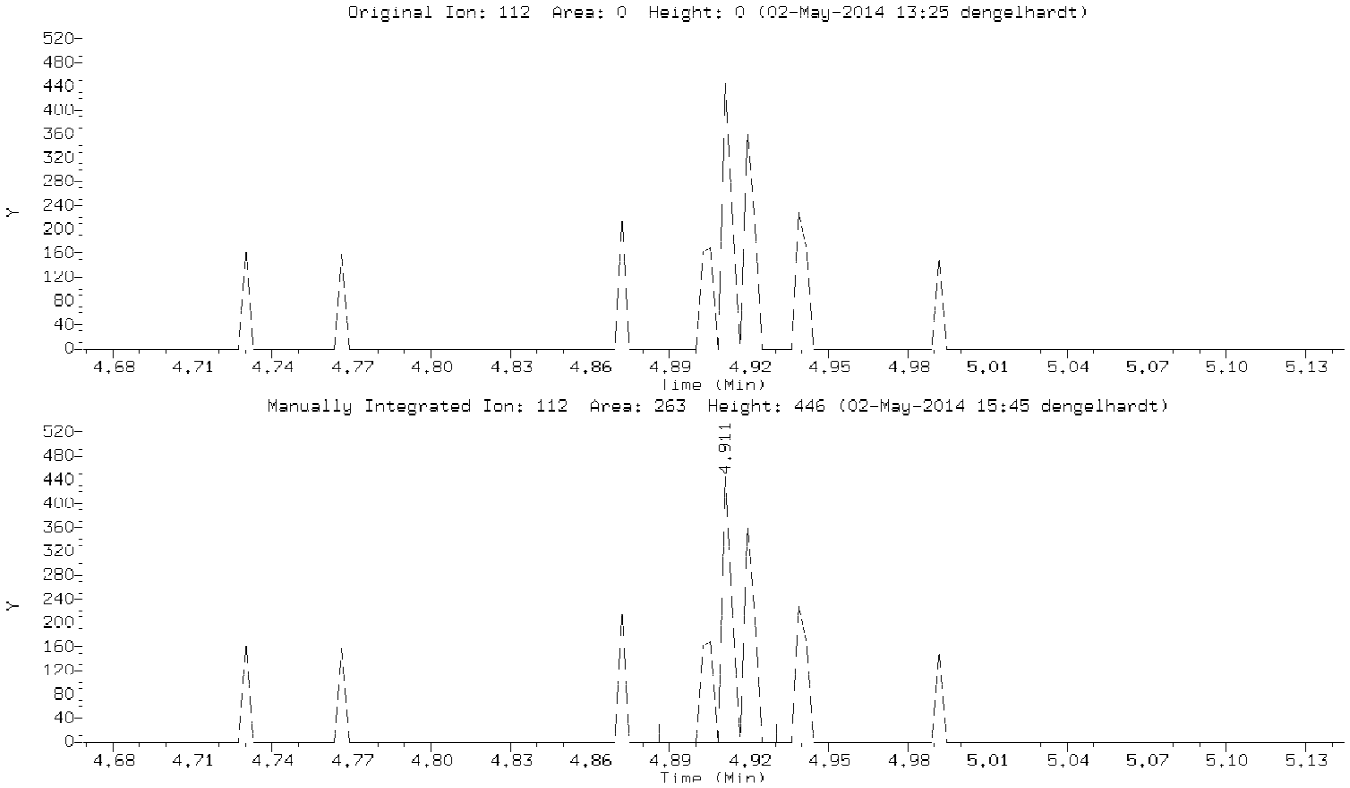
Original Ion: 62 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)



Manually Integrated Ion: 62 Area: 7153 Height: 4725 (02-May-2014 15:45 dengelhardt)



Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b05cal4.d
Injection Date: 02-MAY-2014 13:06
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL4,65551:0



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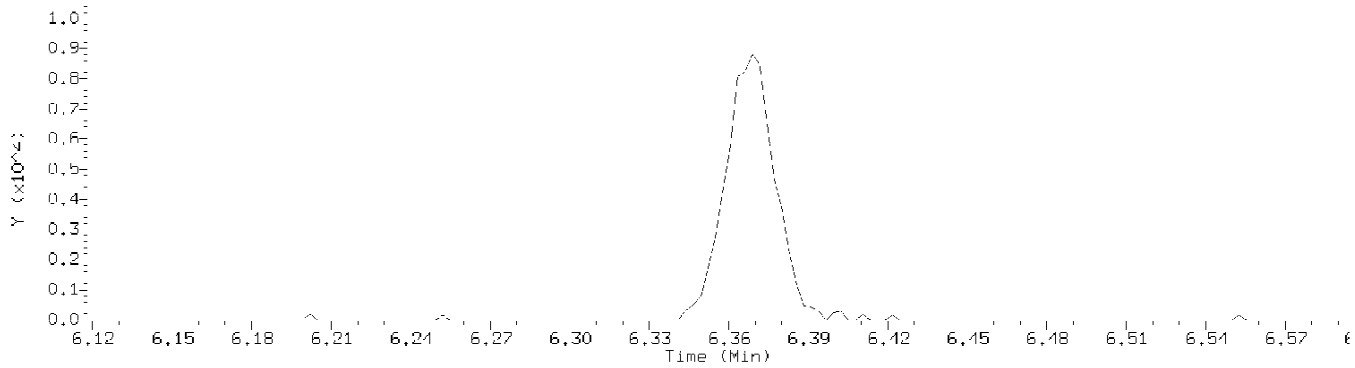
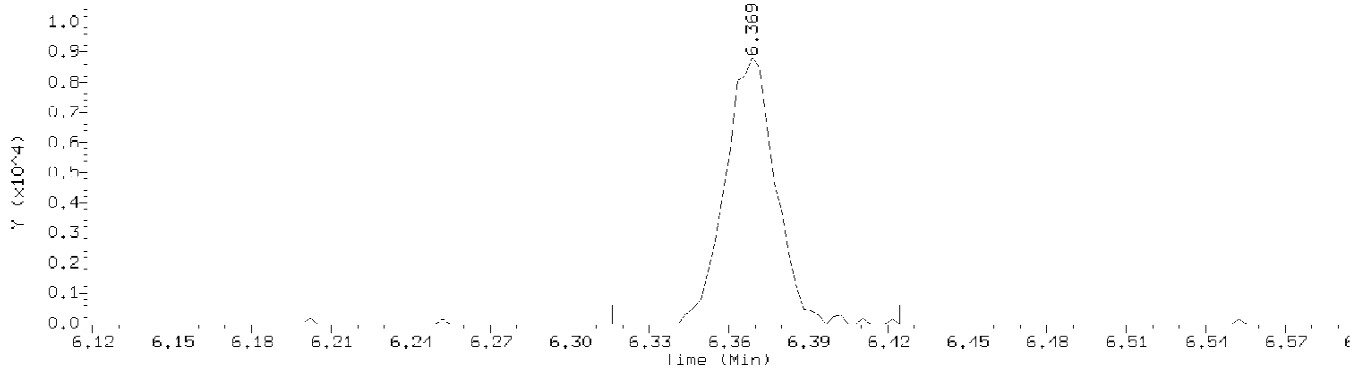
Injection Date: 02-MAY-2014 13:06
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL4,65551:0

Compound: Ethyl Methacrylate
CAS Number:

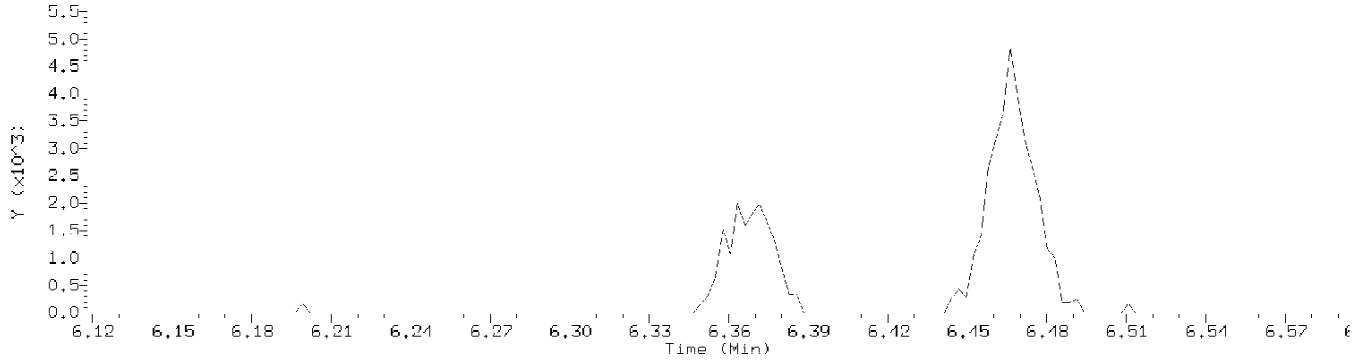
Original Ion: 69 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)



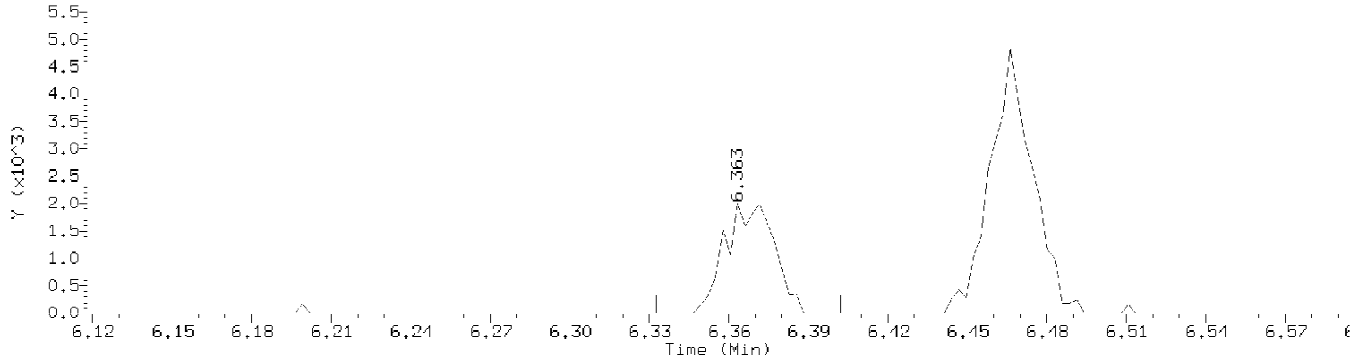
Manually Integrated Ion: 69 Area: 11691 Height: 8808 (02-May-2014 15:45 dengelhardt)



Original Ion: 99 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)

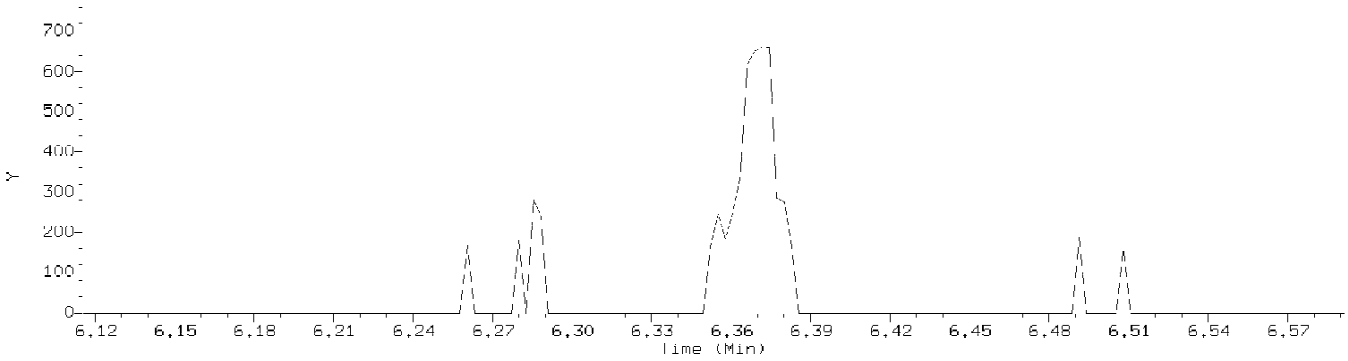


Manually Integrated Ion: 99 Area: 2608 Height: 2005 (02-May-2014 15:45 dengelhardt)

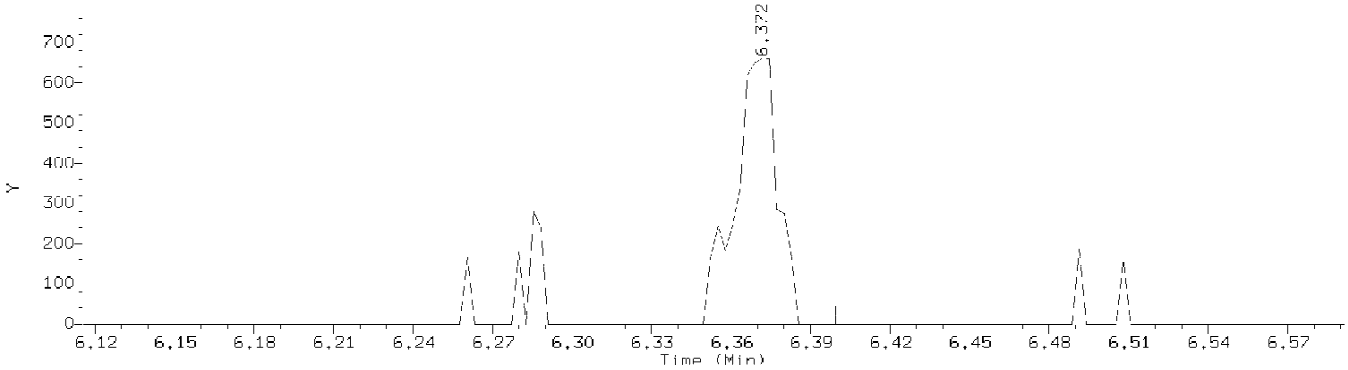


Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b05cal4.d
Injection Date: 02-MAY-2014 13:06
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL4,65551:0

Original Ion: 114 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)



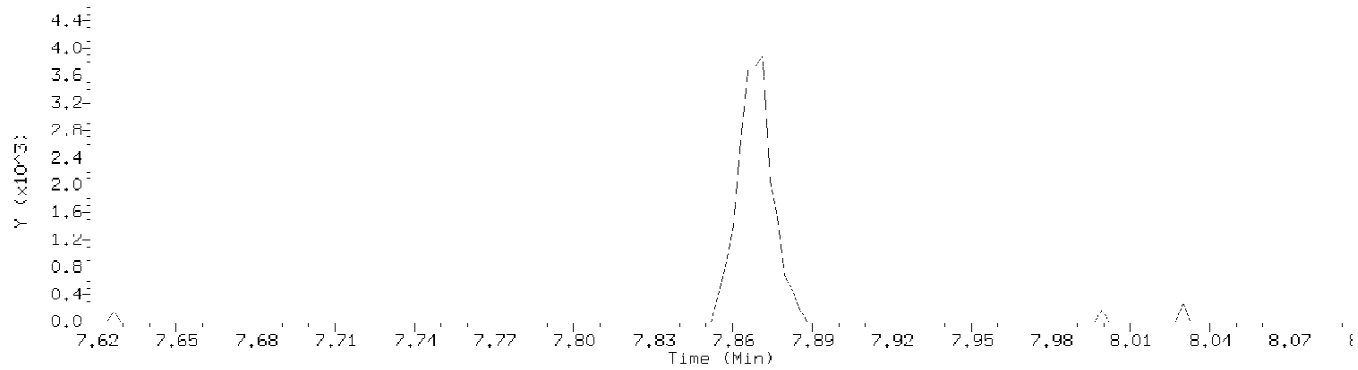
Manually Integrated Ion: 114 Area: 749 Height: 660 (02-May-2014 15:45 dengelhardt)



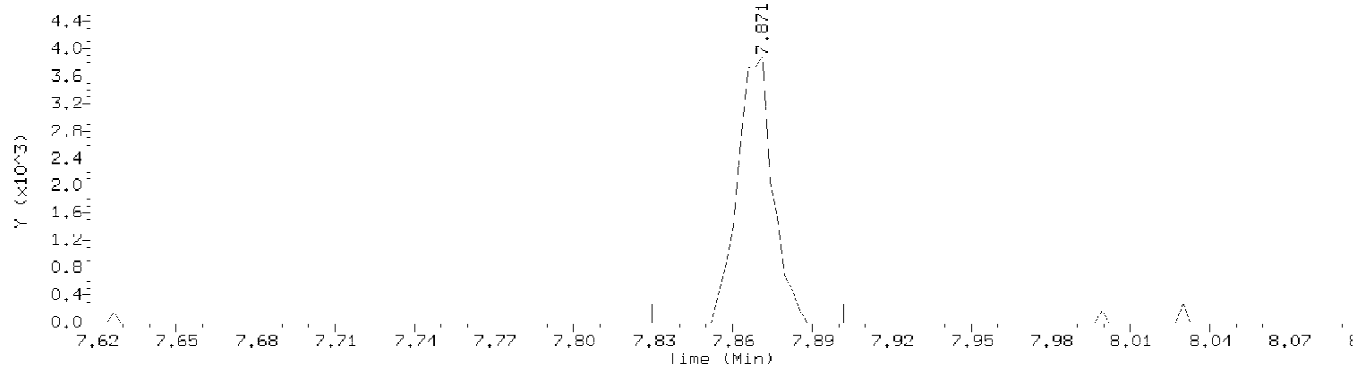
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b05cal4.d
Injection Date: 02-MAY-2014 13:06
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL4,65551:0

Compound: Bromoform
CAS Number: 75-25-2

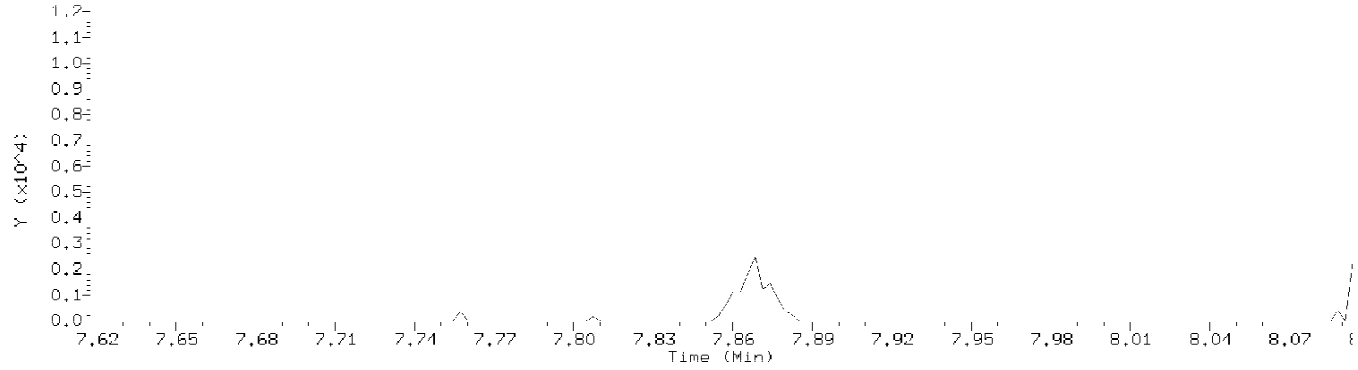
Original Ion: 173 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)



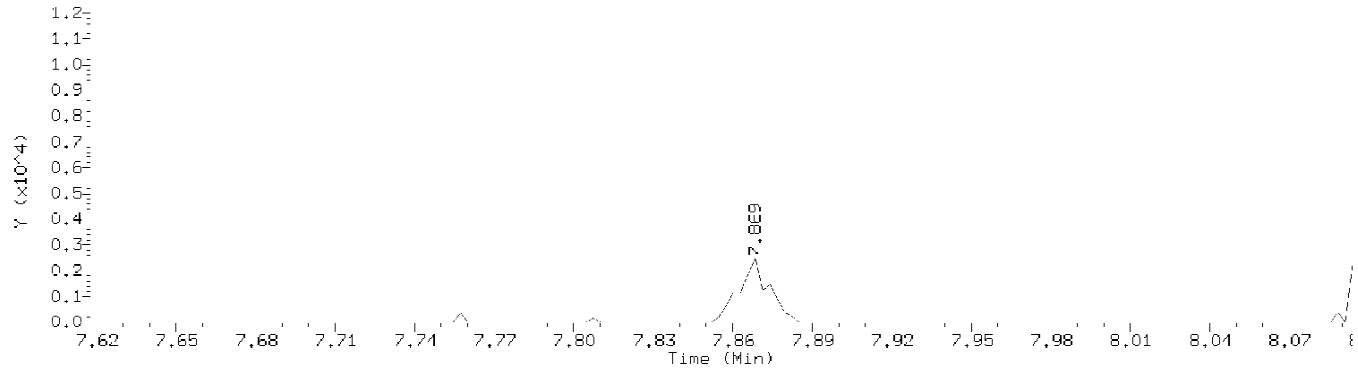
Manually Integrated Ion: 173 Area: 3594 Height: 3885 (02-May-2014 15:45 dengelhardt)



Original Ion: 175 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)

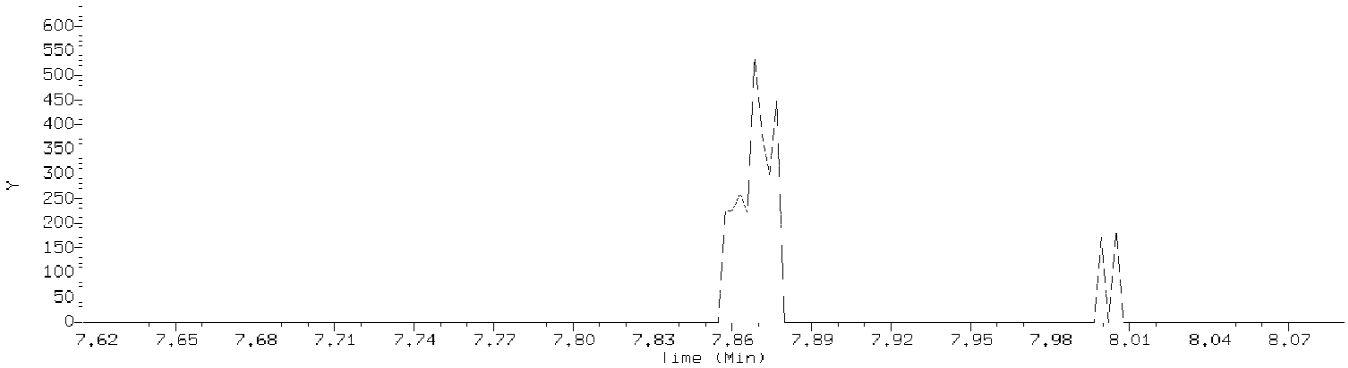


Manually Integrated Ion: 175 Area: 1954 Height: 2495 (02-May-2014 15:45 dengelhardt)

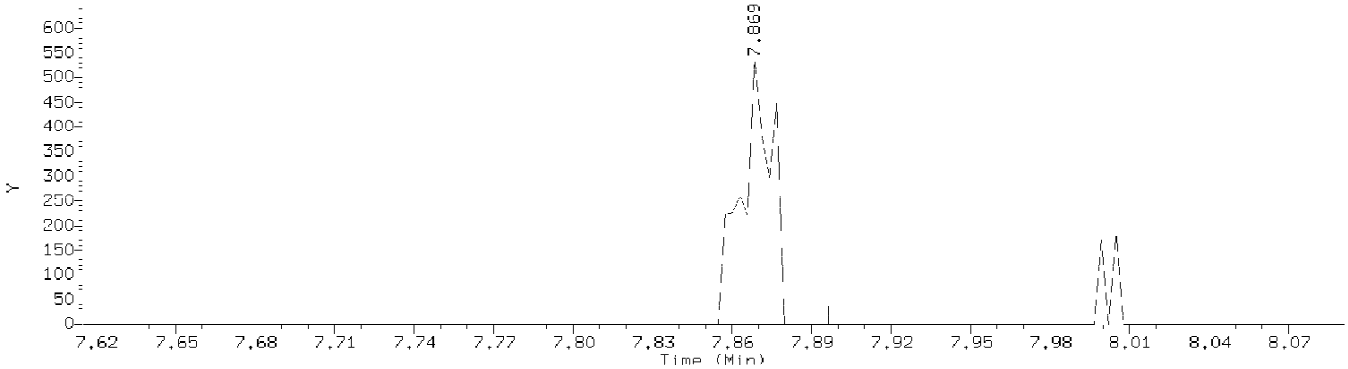


Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b05cal4.d
Injection Date: 02-MAY-2014 13:06
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL4,65551:0

Original Ion: 253.8 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)



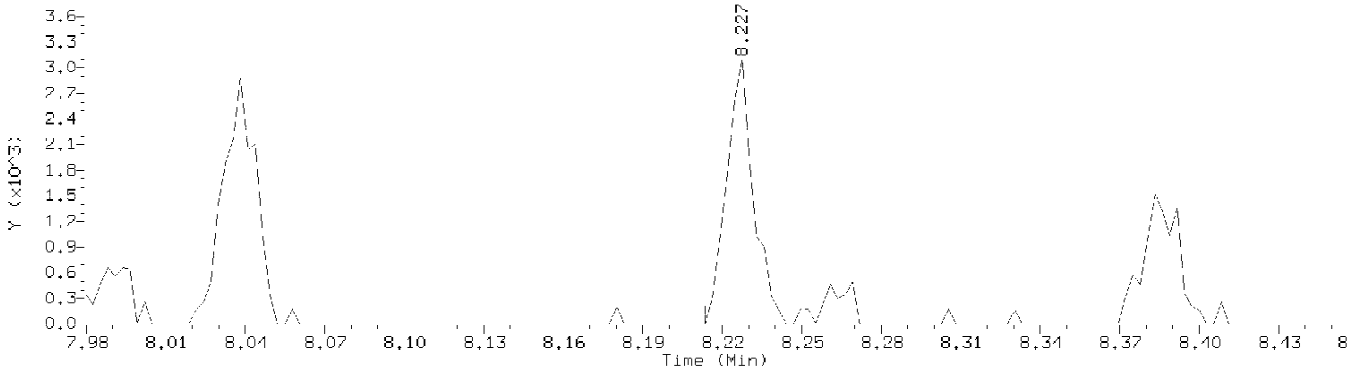
Manually Integrated Ion: 253.8 Area: 432 Height: 539 (02-May-2014 15:45 dengelhardt)



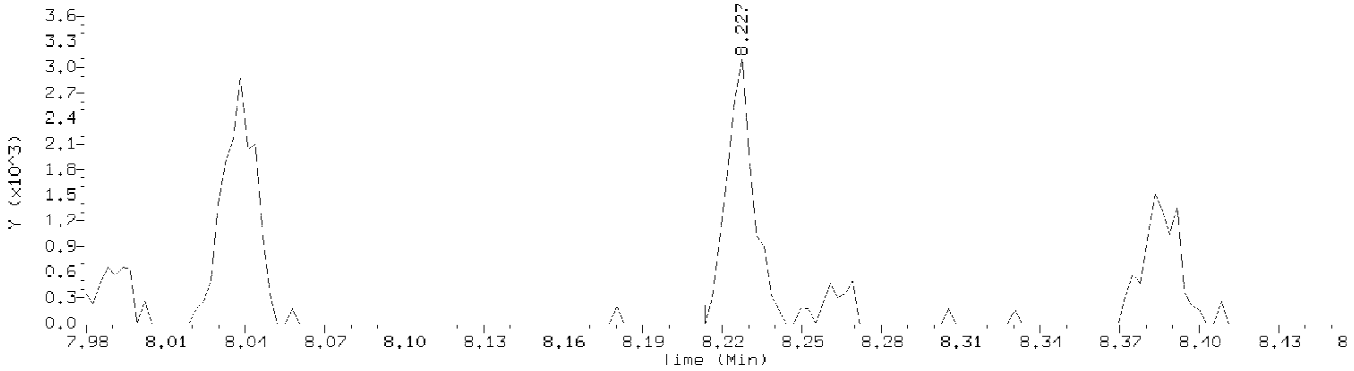
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b05cal4.d
Injection Date: 02-MAY-2014 13:06
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL4,65551:0

Compound: trans-1,4-Dichloro-2-butene
CAS Number:

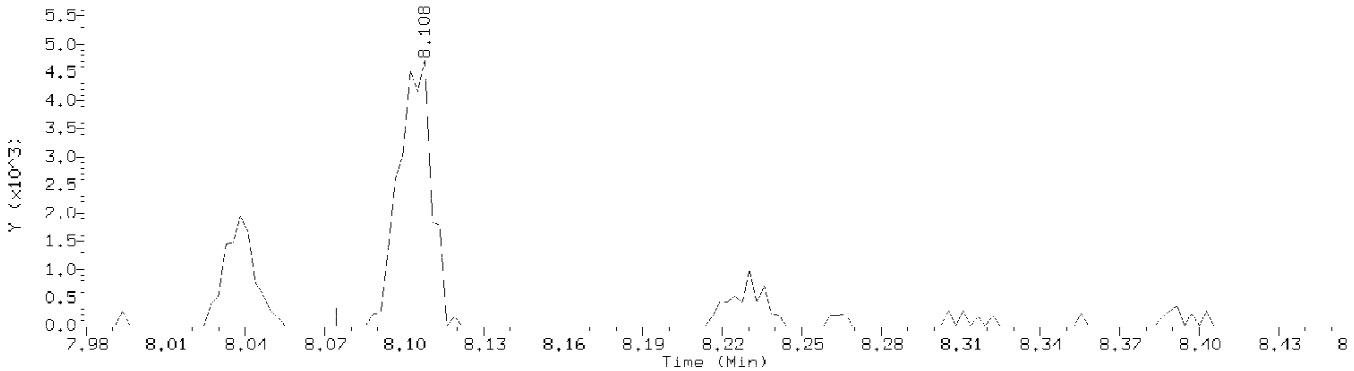
Original Ion: 53 Area: 2254 Height: 3112 (02-May-2014 13:25 dengelhardt)



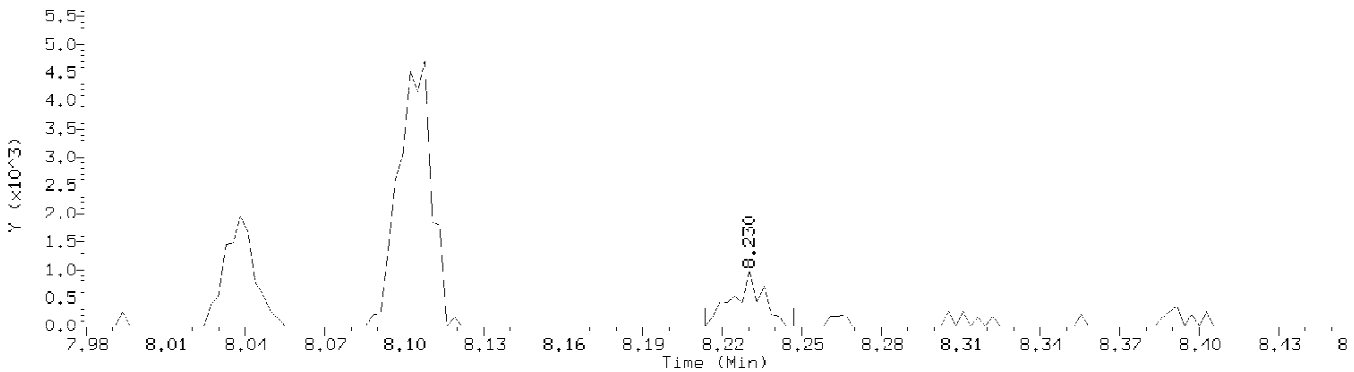
Manually Integrated Ion: 53 Area: 2254 Height: 3112 (02-May-2014 15:45 dengelhardt)



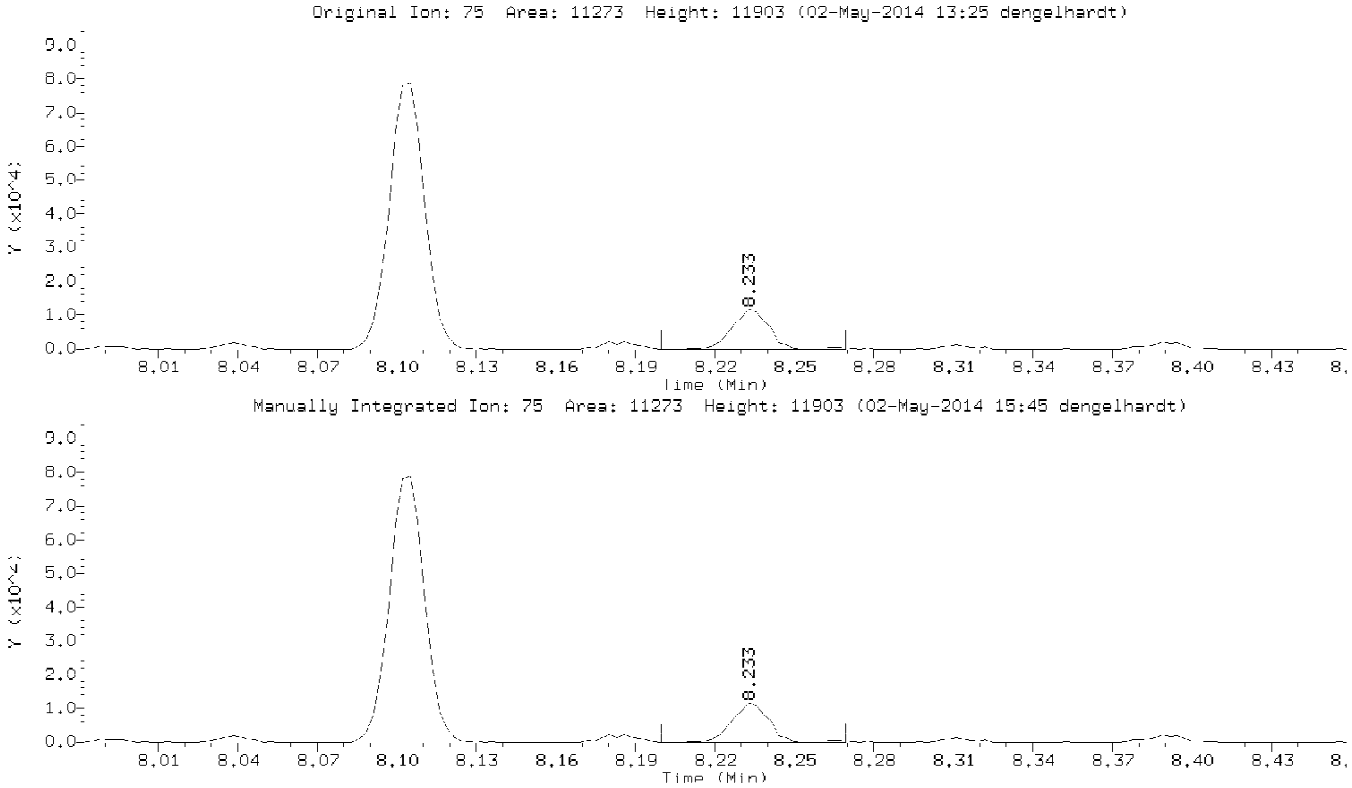
Original Ion: 88 Area: 4091 Height: 4718 (02-May-2014 13:25 dengelhardt)



Manually Integrated Ion: 88 Area: 752 Height: 997 (02-May-2014 15:45 dengelhardt)



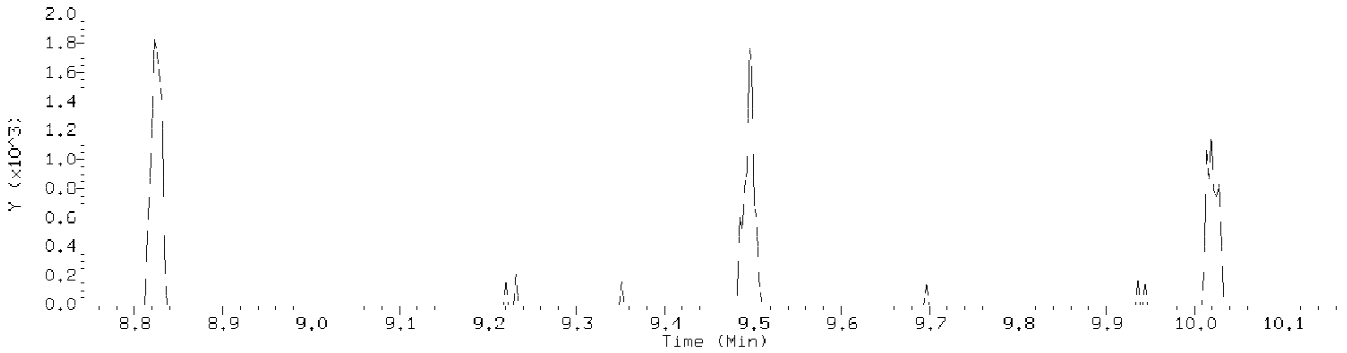
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b05cal4.d
Injection Date: 02-MAY-2014 13:06
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL4,65551:0



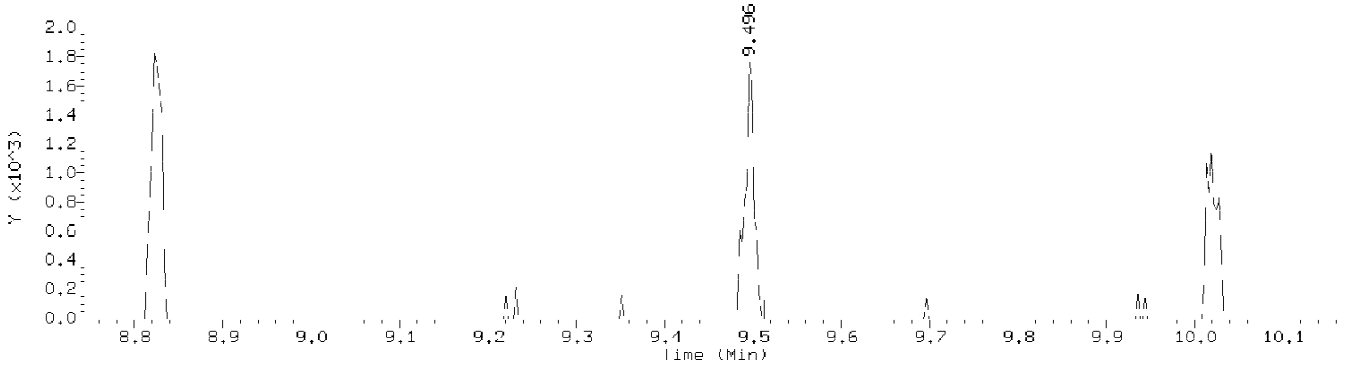
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b05cal4.d
Injection Date: 02-MAY-2014 13:06
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL4,65551:0

Compound: 1,2-Dibromo-3-chloropropane
CAS Number: 96-12-8

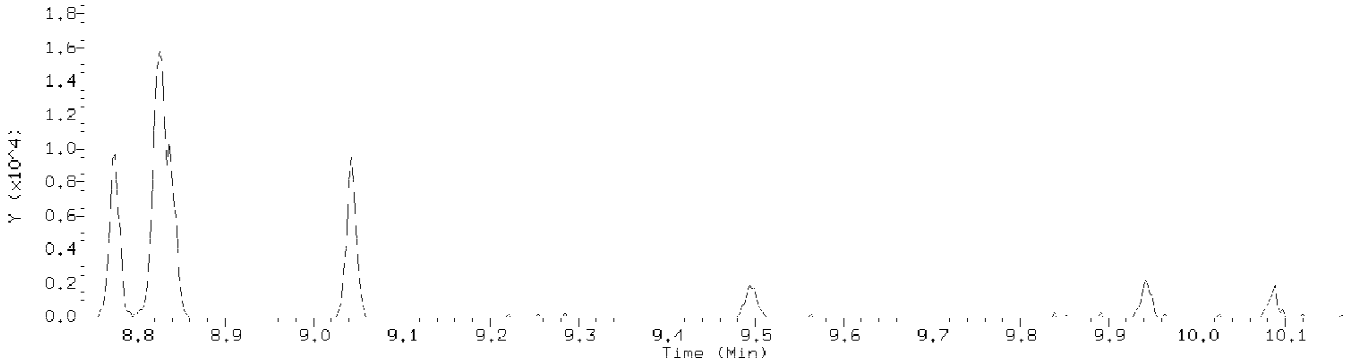
Original Ion: 155 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)



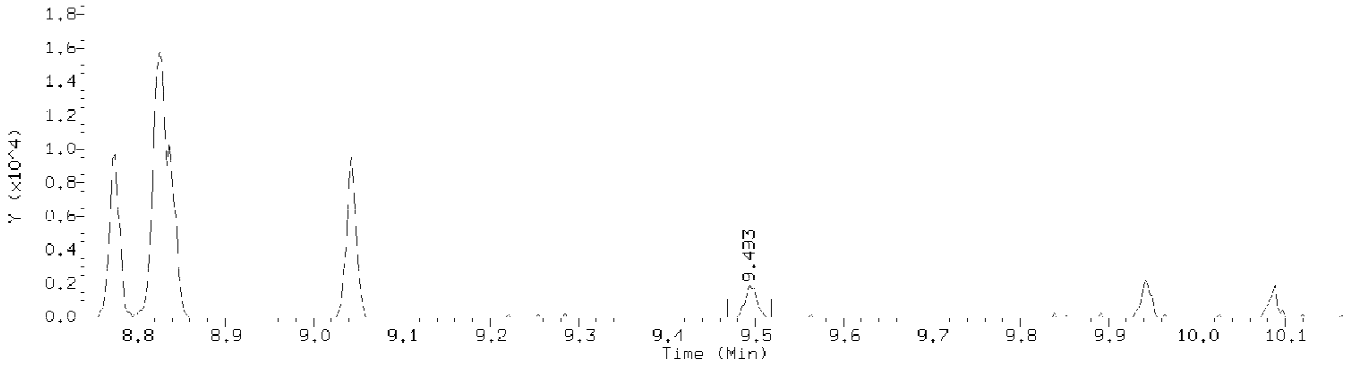
Manually Integrated Ion: 155 Area: 1291 Height: 1788 (02-May-2014 15:45 dengelhardt)



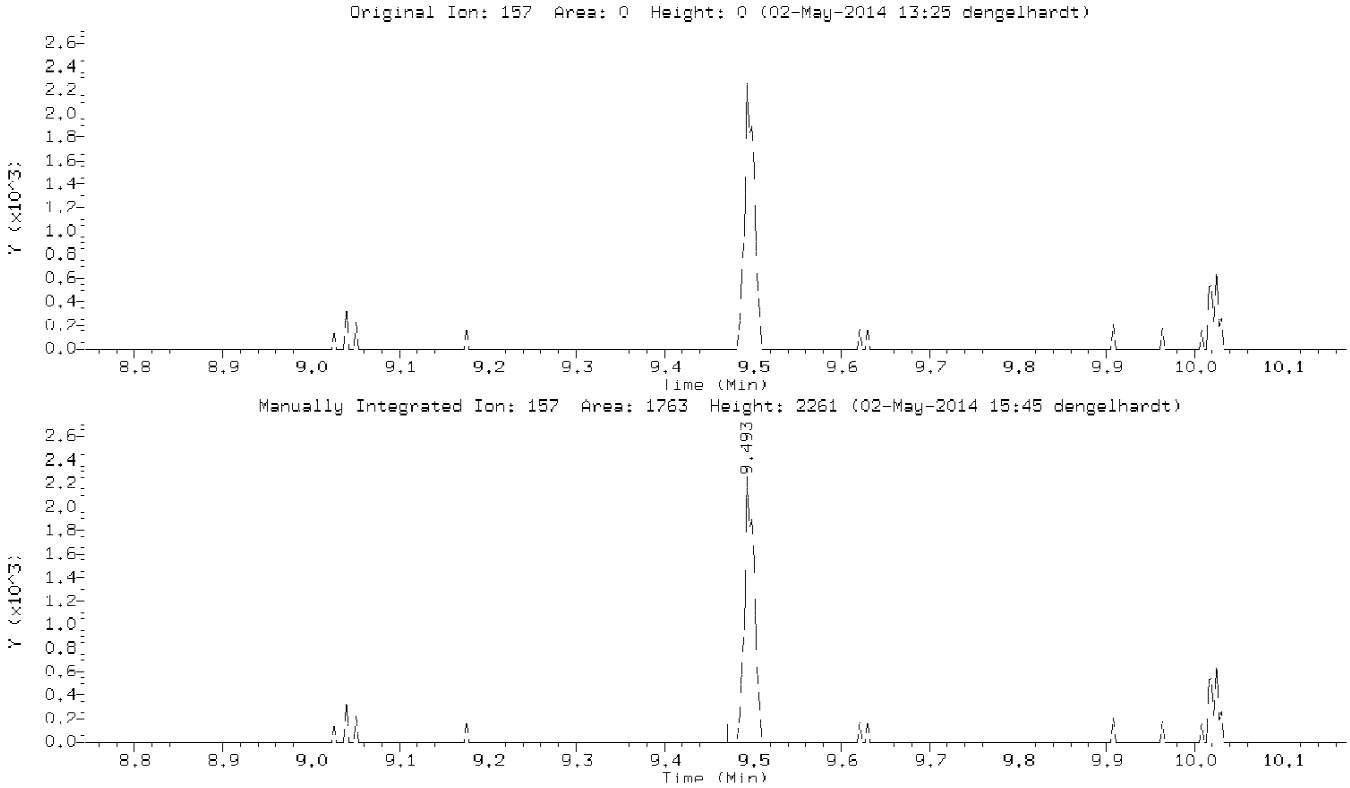
Original Ion: 75 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)



Manually Integrated Ion: 75 Area: 1784 Height: 1999 (02-May-2014 15:45 dengelhardt)



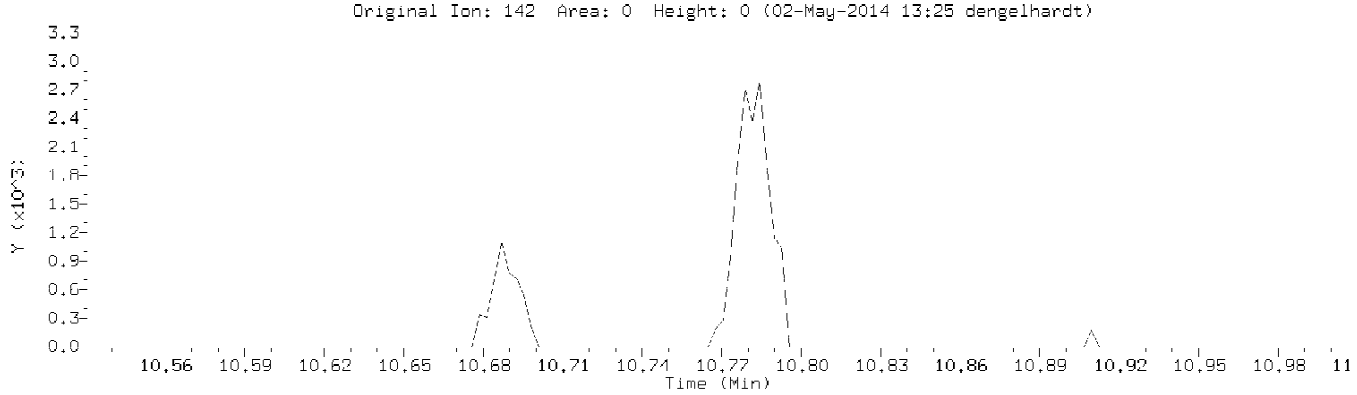
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b05cal4.d
Injection Date: 02-MAY-2014 13:06
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL4,65551:0



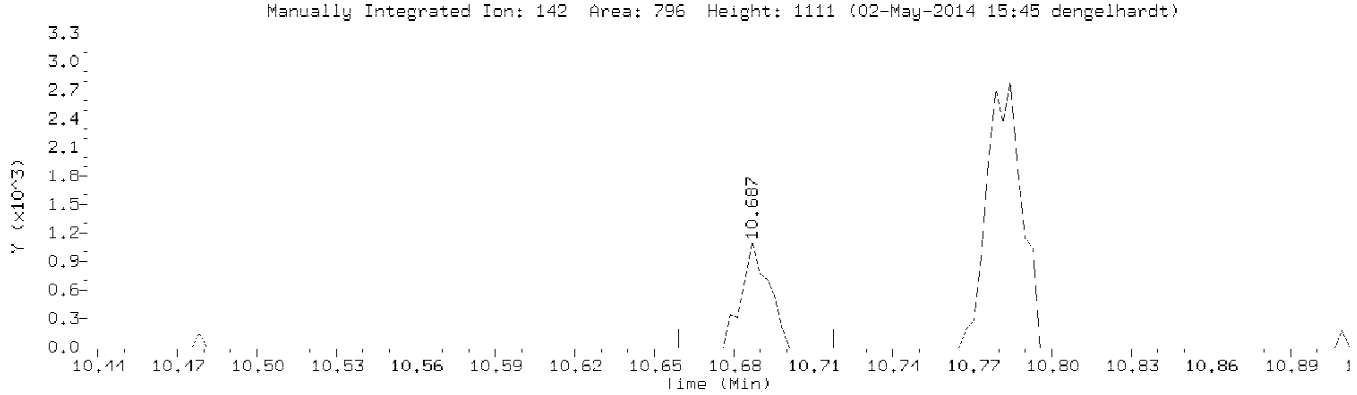
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b05cal4.d
Injection Date: 02-MAY-2014 13:06
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL4,65551:0

Compound: 2,methyl-naphthalene
CAS Number:

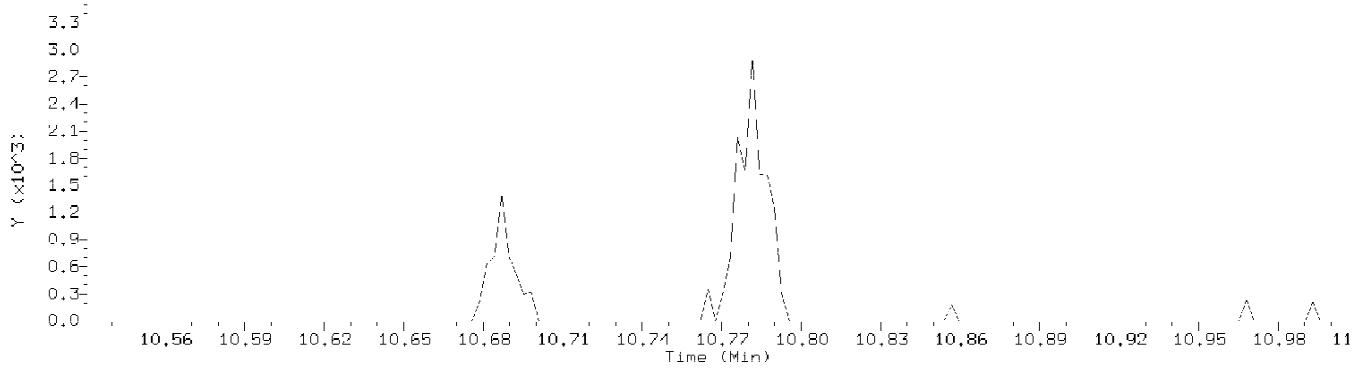
Original Ion: 142 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)



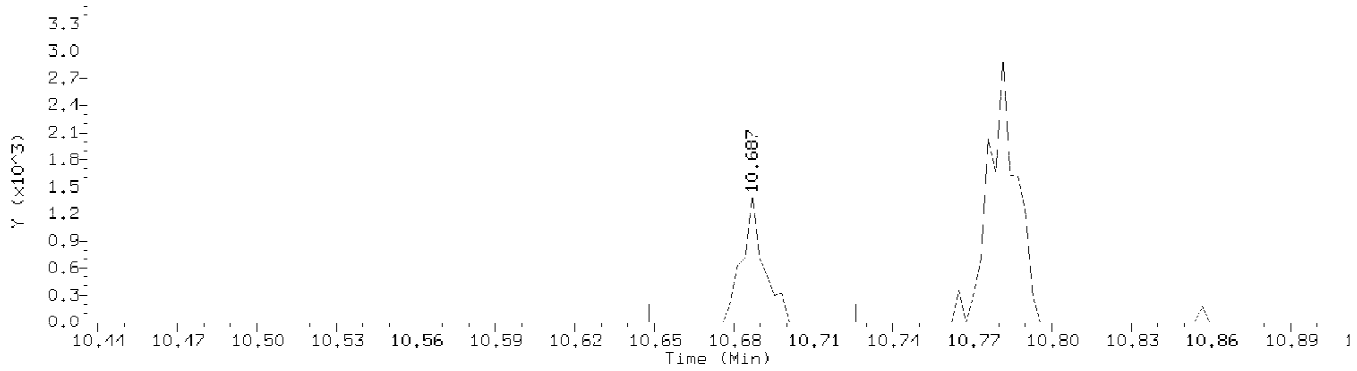
Manually Integrated Ion: 142 Area: 796 Height: 1111 (02-May-2014 15:45 dengelhardt)



Original Ion: 141 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)

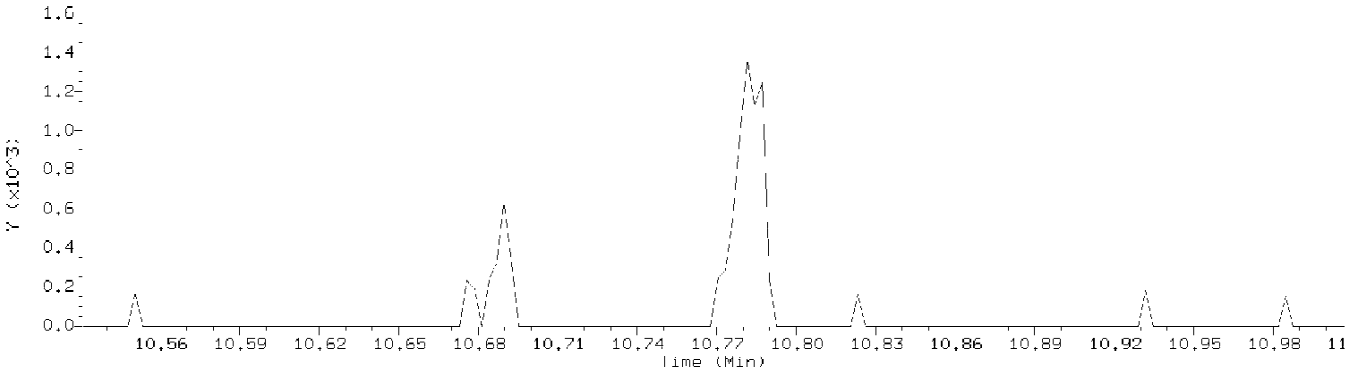


Manually Integrated Ion: 141 Area: 805 Height: 1411 (02-May-2014 15:45 dengelhardt)

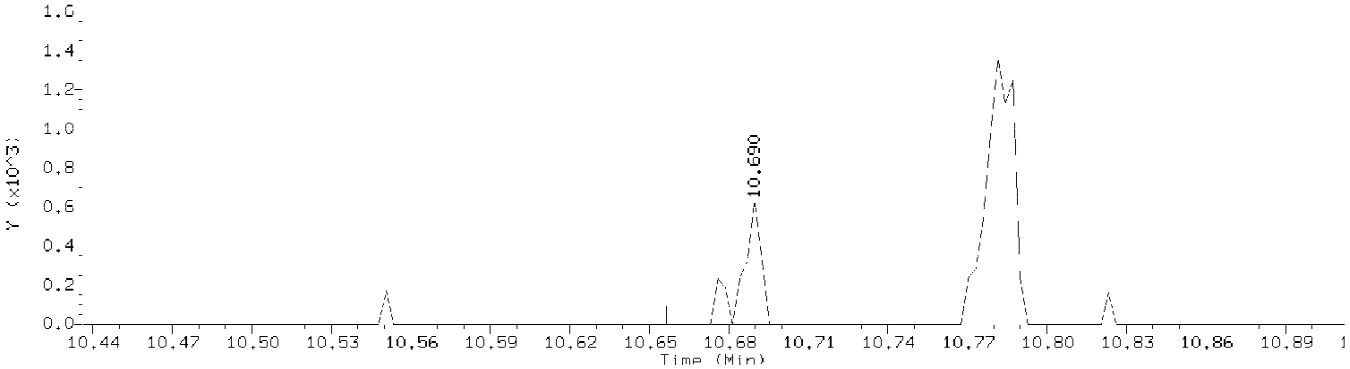


Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b05cal4.d
Injection Date: 02-MAY-2014 13:06
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL4,65551:0

Original Ion: 115 Area: 0 Height: 0 (02-May-2014 13:25 dengelhardt)

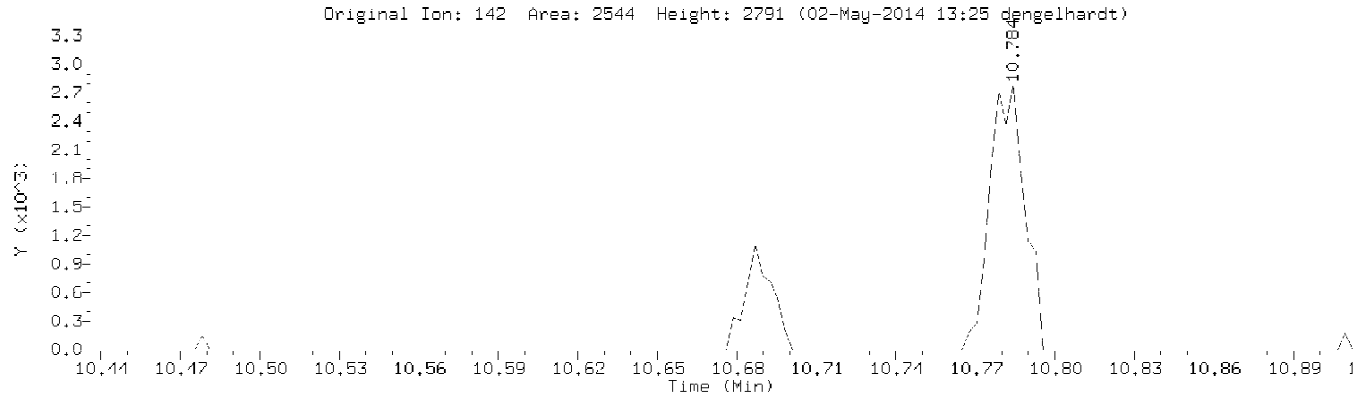


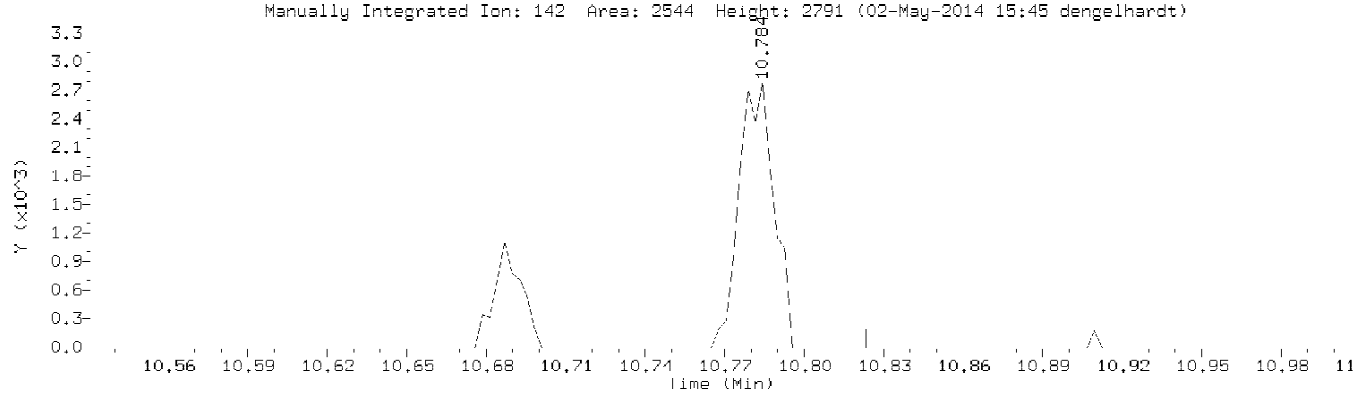
Manually Integrated Ion: 115 Area: 324 Height: 636 (02-May-2014 15:45 dengelhardt)

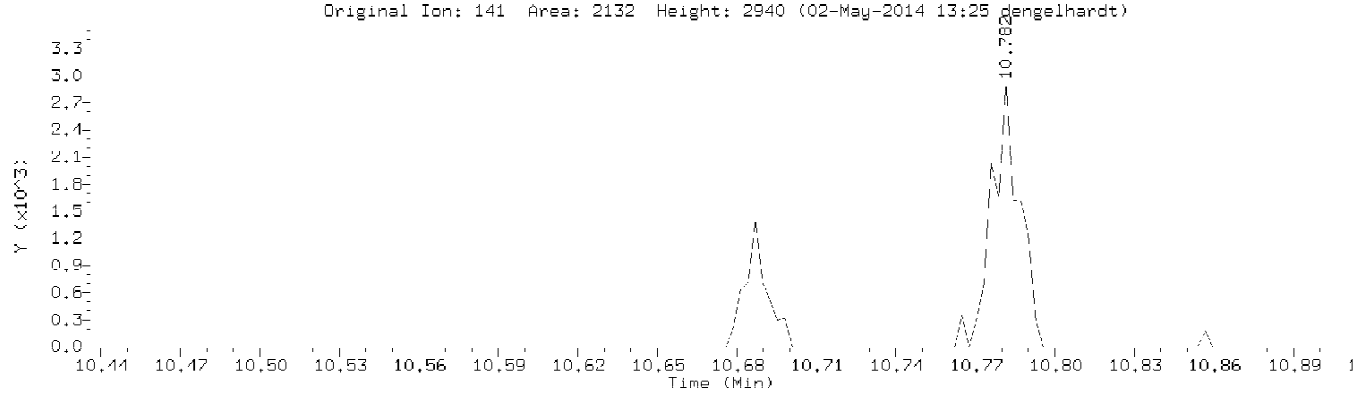


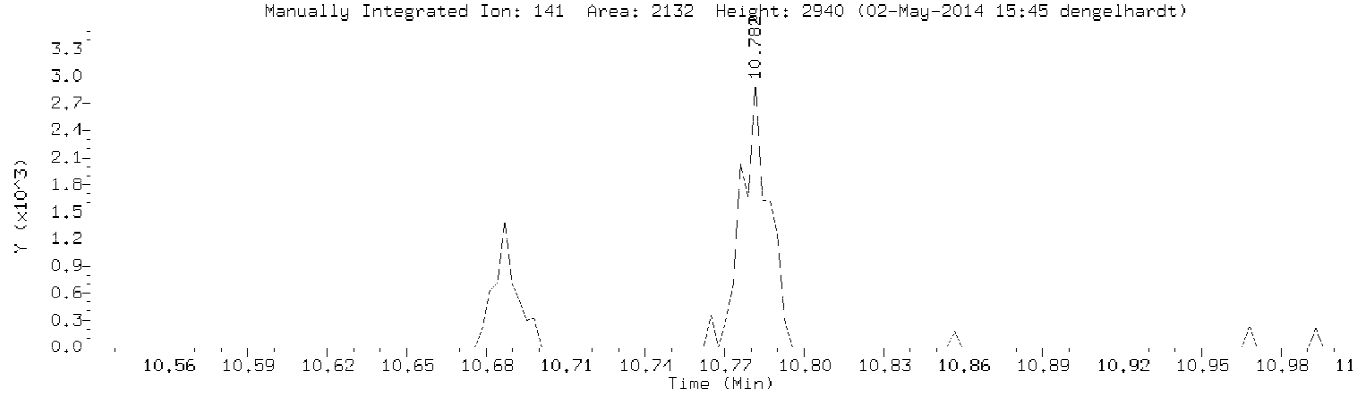
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b05cal4.d
Injection Date: 02-MAY-2014 13:06
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL4,65551:0

Compound: 1-Methylnaphthalene
CAS Number: 90-12-0

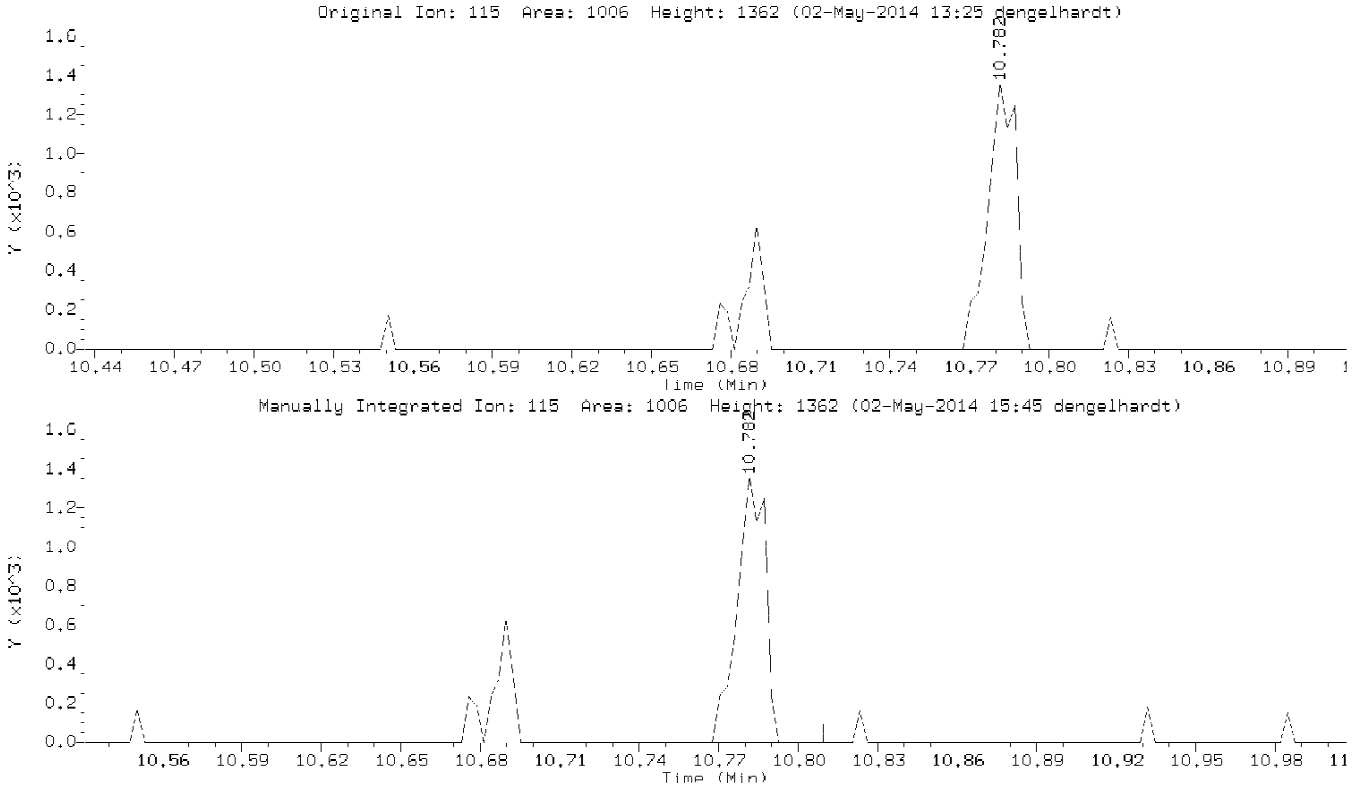








Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b05cal4.d
Injection Date: 02-MAY-2014 13:06
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL4,65551:0



Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b06cal5.d Page 1
Report Date: 05-May-2014 13:37

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b06cal5.d
Lab Smp Id: 8260-CAL5,65552:0 Client Smp ID: 8260-CAL5,65552:0
Inj Date : 02-MAY-2014 13:39
Operator : dac Inst ID: 50mv2b.i
Smp Info : 8260-cal5,65552:0
Misc Info : 64180
Comment :
Method : \\192.168.50.6\chem\50mv2b.i\b050214cal.b\-b8260_a_b.m
Meth Date : 05 May 2014 11:52 dengelhard Quant Type: ISTD
Cal Date : 15 APR 2014 22:38 Cal File: b09cal8.d
Als bottle: 57 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	REVIEW C
1	Dichlorodifluoromethane	85	0.974	0.971	(0.233)	30367	10.0000	10.5	
2	Chloromethane	50	1.077	1.077	(0.258)	20865	10.0000	7.99	
3	Vinyl Chloride	62	1.099	1.099	(0.263)	21285	10.0000	8.23	
4	Bromomethane	94	1.241	1.238	(0.297)	8081	10.0000	10.3	
5	Chloroethane	64	1.288	1.285	(0.308)	11434	10.0000	5.10	
6	Trichlorofluoromethane	101	1.400	1.397	(0.335)	35804	10.0000	7.99	
7	Diethyl ether	74	1.522	1.519	(0.364)	11332	10.0000	8.31	
8	Acrolein	56	1.592	1.591	(0.381)	51564	200.000	170	
9	1,1-Dichloroethene	96	1.647	1.647	(0.394)	17940	10.0000	9.23	
10	1,1,2Trichlorotrifluoroethane	101	1.644	1.641	(0.394)	19099	10.0000	8.24	
11	Acetone	43	1.655	1.658	(0.396)	28683	50.0000	38.8	
12	Iodomethane	142	1.736	1.733	(0.416)	25069	20.0000	37.0	
141	Acetonitrile	39	1.839	1.839	(0.440)	41739	10.0000	9.14	
13	Carbon Disulfide	76	1.781	1.778	(0.426)	90728	20.0000	17.6	
14	allyl chloride	41	1.839	1.839	(0.440)	50017	20.0000	19.1	
15	Methylene Chloride	84	1.914	1.914	(0.458)	18905	10.0000	7.18	
16	Acrylonitrile	53	2.048	2.048	(0.490)	144102	200.000	182	
17	tert-Butyl Alcohol	59	1.956	1.956	(0.468)	4137	20.0000	18.6	
18	1,2-Dichloroethene (trans)	96	2.084	2.081	(0.499)	19807	10.0000	9.39	
19	Methyl-tert-butyl ether	73	2.073	2.073	(0.496)	112172	20.0000	19.8	
20	n-Hexane	57	2.262	2.262	(0.541)	31286	10.0000	10.2	
138	Methyl Acetate	43	1.822	1.822	(0.436)	15505	10.0000	8.64	
21	1,1-Dichloroethane	63	2.384	2.384	(0.571)	44428	10.0000	9.64	

Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b06cal5.d Page 2
Report Date: 05-May-2014 13:37

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL AMT (ppb)	AMOUNTS ON COL (ppb)	REVIEW C
	23 Vinyl Acetate	43	2.373	2.373	(0.560)	151649	40.0000	39.4	
	143 Chloroprene	53	2.437	2.437	(0.583)	40507	10.0000	9.94	
	24 2,2-Dichloropropane	77	2.855	2.857	(0.683)	23363	10.0000	8.59	
	25 1,2-Dichloroethene (cis)	96	2.846	2.852	(0.681)	27058	10.0000	9.55	
	26 2-Butanone	43	2.835	2.838	(0.678)	53153	50.0000	49.6	
	27 Propionitrile	54	2.896	2.893	(0.693)	4297	10.0000	13.3	
	142 Methacrylonitrile	41	3.044	3.041	(0.728)	15110	40.0000	40.2	
	28 1,2-dichlorotrifluoroethane	67	1.539	1.538	(0.368)	23894	10.0000	8.72	
	29 Bromochloromethane	49	3.080	3.080	(0.737)	19682	10.0000	9.43	
	30 Tetrahydrofuran	42	3.094	3.094	(0.740)	7883	10.0000	4.48	
	31 Chloroform	83	3.189	3.188	(0.763)	43614	10.0000	8.59	
$	32 Dibromofluoromethane (S)	113	3.361	3.361	(0.804)	99732	50.0000	47.7	
	33 1,1,1-Trichloroethane	97	3.364	3.361	(0.805)	36420	10.0000	9.23	
	34 cyclohexane	56	3.436	3.436	(0.822)	37236	10.0000	8.90	
	35 Carbon Tetrachloride	117	3.536	3.536	(0.846)	27644	10.0000	9.52	
	36 1,1-Dichloropropene	75	3.545	3.547	(0.848)	31610	10.0000	9.46	
	37 Isobutyl alcohol	43	3.956	3.951	(0.947)	9807	10.0000	10.2	
	38 Benzene	78	3.784	3.787	(0.905)	82291	10.0000	8.83	
	39 1,2-Dichloroethane	62	3.876	3.876	(0.927)	37988	10.0000	9.24	
	144 2,2,4-Trimethylpentane	57	3.956	3.956	(0.947)	58593	10.0000	8.34	
*	40 Fluorobenzene	96	4.179	4.179	(1.000)	352139	50.0000		
	41 Trichloroethene	95	4.616	4.618	(1.105)	24147	10.0000	9.18	
	139 Methylcyclohexane	55	4.875	4.874	(1.166)	26444	10.0000	9.82	
	42 1,2-Dichloropropane	63	4.916	4.919	(1.176)	20620	10.0000	9.74	
	43 Dibromomethane	93	5.008	5.005	(1.198)	14121	10.0000	9.08	
	140 1,4-Dioxane	88	5.005	5.011	(1.198)	5264	10.0000	14.5	
	44 Methyl methacrylate	69	5.028	5.027	(1.203)	13941	10.0000	10.1	
	45 Bromodichloromethane	83	5.220	5.222	(1.249)	26243	10.0000	9.91	
	46 2-Chloroethyl vinyl ether	63	5.556	5.556	(0.766)	17674	40.0000	45.4	
	47 cis 1,3 Dichloropropene	75	5.690	5.687	(0.785)	26669	10.0000	10.6	
	48 4 Methyl 2 Pentanone	43	5.857	5.857	(0.808)	93550	50.0000	52.0	
$	49 Toluene d8	98	5.949	5.948	(0.820)	345467	50.0000	49.8	
	50 Toluene	91	6.015	6.015	(0.830)	93713	10.0000	9.20	
	51 trans-1,3-Dichloropropene	75	6.282	6.285	(0.866)	19662	10.0000	11.4	
	52 Ethyl Methacrylate	69	6.369	6.368	(0.878)	24589	10.0000	10.0	
	53 1,1,2-Trichloroethane	83	6.463	6.466	(0.891)	14497	10.0000	9.18	
	54 Tetrachloroethene	166	6.511	6.513	(0.898)	26526	10.0000	9.78	
	55 1,3-Dichloropropane	76	6.605	6.608	(0.911)	32120	10.0000	9.72	
	56 2-Hexanone	43	6.677	6.677	(0.921)	70058	50.0000	56.6	
	57 Dibromochloromethane	129	6.789	6.789	(0.936)	15109	10.0000	10.4	
	58 1,2-Dibromoethane	107	6.875	6.875	(0.948)	16510	10.0000	9.77	
*	59 Chlorobenzene-d5	117	7.251	7.250	(1.000)	279696	50.0000		
	60 Chlorobenzene	112	7.273	7.273	(1.003)	63579	10.0000	9.46	
	61 1,1,1,2-Tetrachloroethane	131	7.354	7.353	(1.014)	18164	10.0000	10.2	
	62 Ethylbenzene	106	7.362	7.362	(1.015)	35506	10.0000	9.46	
	63 m&p-Xylene	106	7.462	7.465	(1.029)	87066	20.0000	18.7	
	65 o-Xylene	106	7.735	7.732	(1.067)	41627	10.0000	9.95	
	66 Styrene	104	7.749	7.751	(1.069)	69931	10.0000	10.6	
	67 Bromoform	173	7.868	7.868	(0.892)	8694	10.0000	11.5(M)	NI
	68 Isopropylbenzene	105	7.991	7.991	(1.102)	104587	10.0000	9.92	
	69 trans-1,4-Dichloro-2-butene	53	8.227	8.230	(1.135)	4546	10.0000	11.7	
$	70 4-Bromofluorobenzene	95	8.102	8.102	(1.117)	150744	50.0000	50.7	
	71 Bromobenzene	77	8.183	8.185	(1.129)	39798	10.0000	9.11	
	72 1,1,2,2-Tetrachloroethane	83	8.205	8.205	(0.930)	23666	10.0000	10.4	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL AMT (ppb)	AMOUNTS ON COL (ppb)	REVIEW C
73	1,2,3-Trichloropropane	110	8.236	8.235	(0.933)	9029	10.0000	9.08	
74	n-Propylbenzene	91	8.263	8.263	(0.937)	119746	10.0000	9.70	
75	2-Chlorotoluene	91	8.311	8.310	(0.942)	76012	10.0000	9.05	
76	4-Chlorotoluene	126	8.391	8.391	(0.951)	27309	10.0000	9.47	
77	1,3,5-Trimethylbenzene	105	8.383	8.383	(0.950)	93079	10.0000	10.2	
78	tert-Butylbenzene	119	8.575	8.575	(0.972)	96213	10.0000	10.6	
79	1,2,4-Trimethylbenzene	105	8.611	8.611	(0.976)	94176	10.0000	10.2	
80	sec-Butylbenzene	105	8.711	8.711	(0.987)	109133	10.0000	10.3	
81	1,3-Dichlorobenzene	146	8.775	8.775	(0.995)	48855	10.0000	9.64	
* 82	1,4-Dichlorobenzene-d4	152	8.823	8.825	(1.000)	148426	50.0000		
83	p-Isopropyltoluene	119	8.806	8.806	(0.998)	95864	10.0000	10.3	
84	1,4-Dichlorobenzene	146	8.836	8.839	(1.002)	49285	10.0000	9.22	
85	1,2-Dichlorobenzene	146	9.042	9.045	(1.025)	43617	10.0000	9.54	
86	n-Butylbenzene	91	9.042	9.042	(1.025)	77590	10.0000	10.4	
87	1,2-Dibromo-3-chloropropane	155	9.493	9.496	(1.076)	3289	10.0000	13.3(Q)	
88	1,2,4-Trichlorobenzene	180	9.944	9.944	(1.127)	24837	10.0000	12.1	
89	Hexachlorobutadiene	225	10.022	10.022	(1.136)	15657	10.0000	10.5	
90	Naphthalene	128	10.086	10.086	(1.143)	67047	10.0000	18.0	
91	1,2,3-Trichlorobenzene	180	10.203	10.202	(1.156)	23282	10.0000	12.3	
92	2,methyl-naphthalene	142	10.689	10.687	(1.212)	8633	10.0000	104	
145	1-Methylnaphthalene	142	10.781	10.781	(1.222)	12715	10.0000	44.7	

QC Flag Legend

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

Review Codes Legend

:
NI: Indicates that the peak was not integrated at all by the computer software.

Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b06cal5.d

Page 4

Date : 02-MAY-2014 13:39

Client ID: 8260-CAL5,65552:0

Instrument: 50mv2b.i

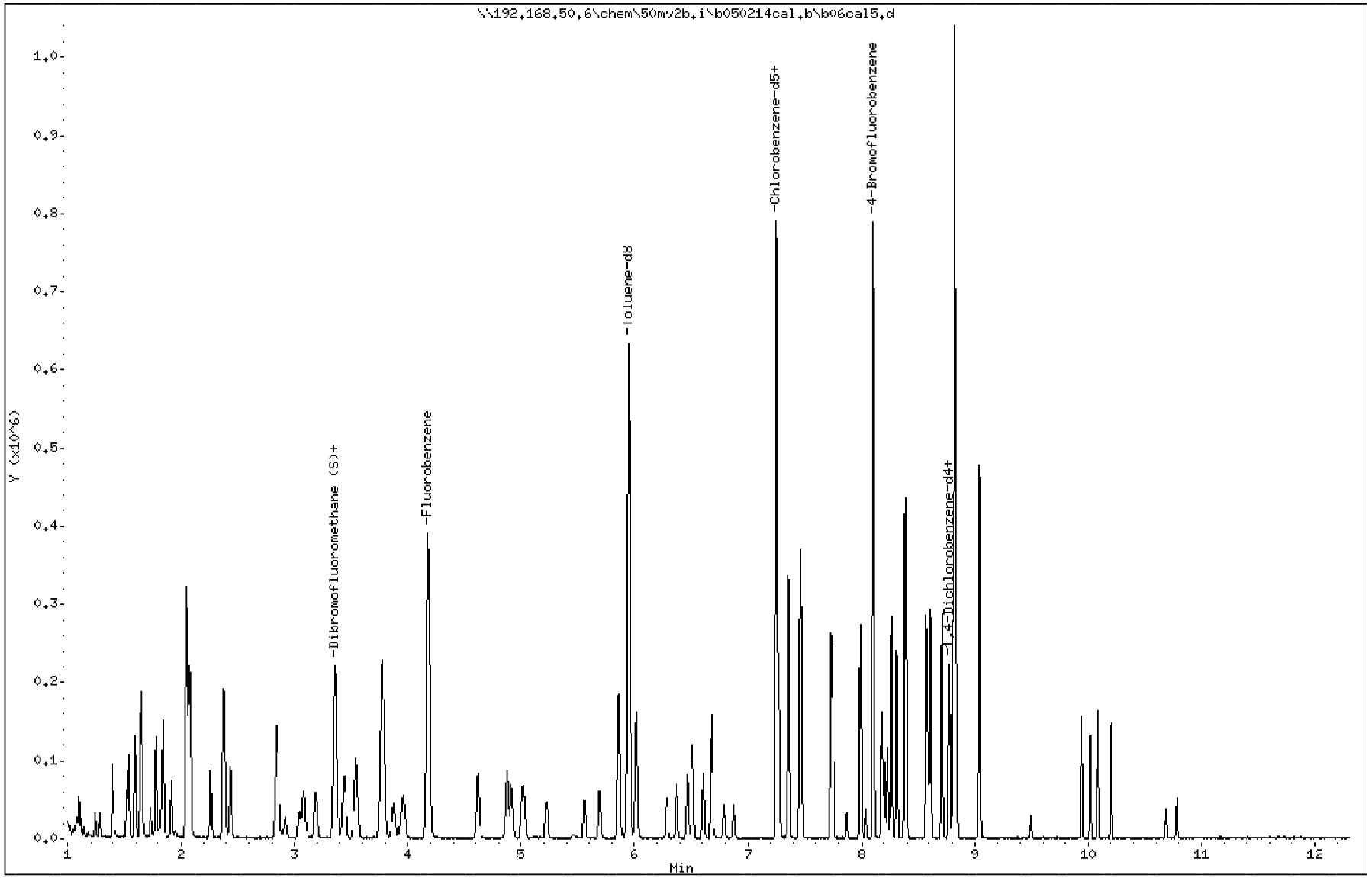
Sample Info: 8260-CAL5,65552:0

Purge Volume: 5.0

Operator: dae

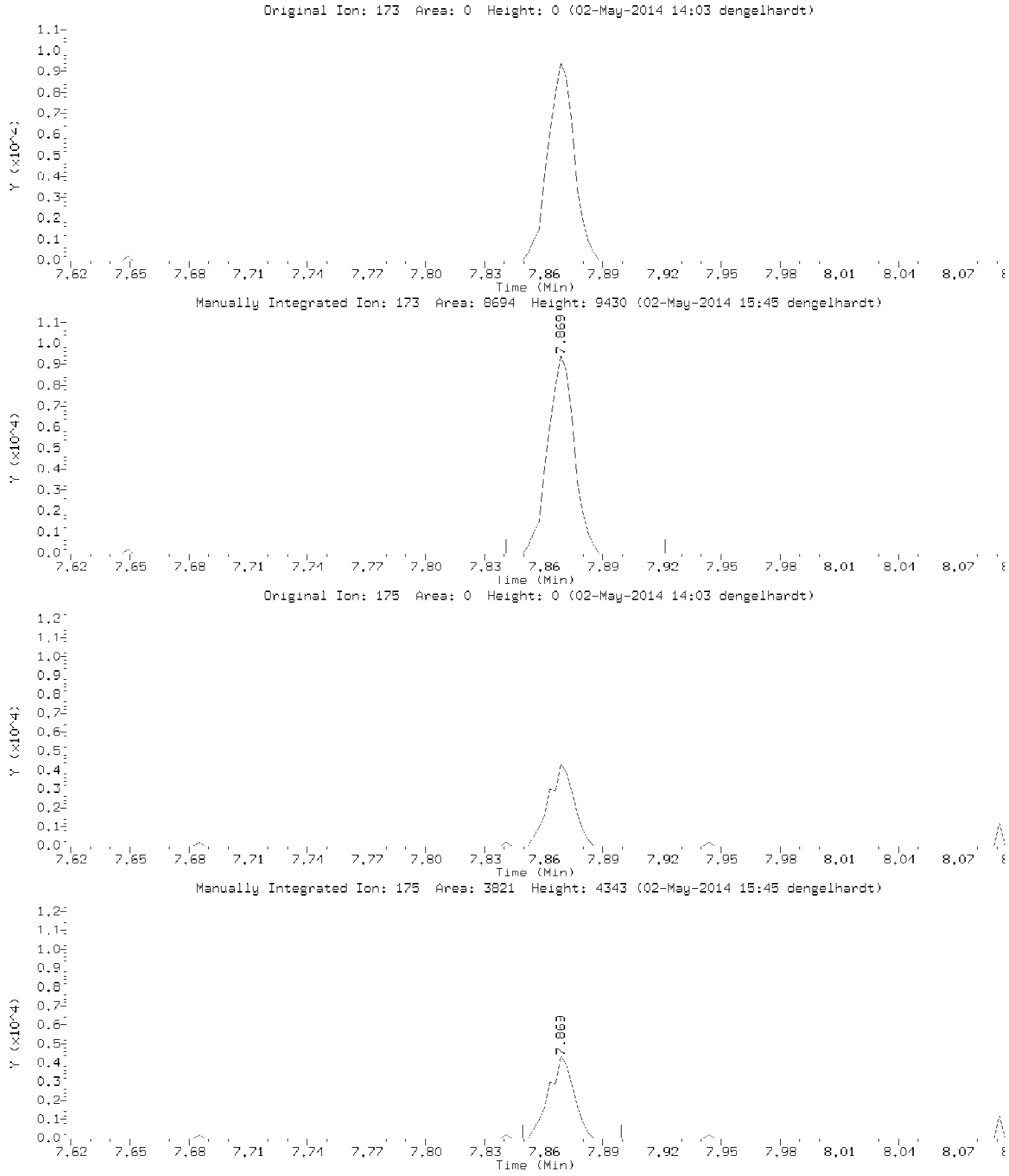
Column phase: DB-624

Column diameter: 0.18



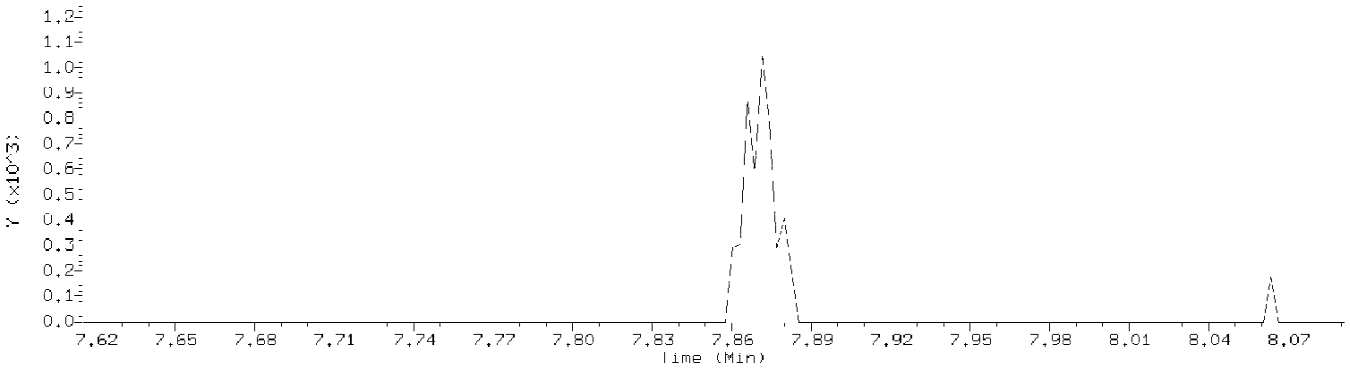
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b06cal5.d
Injection Date: 02-MAY-2014 13:39
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL5,65552:0

Compound: Bromoform
CAS Number: 75-25-2

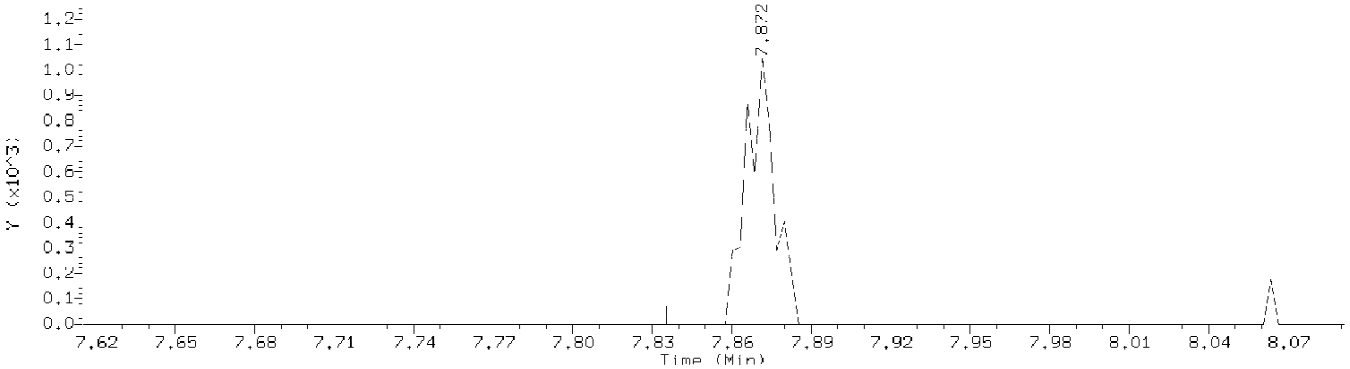


Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b06cal5.d
Injection Date: 02-MAY-2014 13:39
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL5,65552:0

Original Ion: 253.8 Area: 0 Height: 0 (02-May-2014 14:03 dengelhardt)



Manually Integrated Ion: 253.8 Area: 797 Height: 1046 (02-May-2014 15:45 dengelhardt)



Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b07cal6.d Page 1
Report Date: 05-May-2014 13:37

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b07cal6.d
Lab Smp Id: 8260-CAL6,65553:0 Client Smp ID: 8260-CAL6,65553:0
Inj Date : 02-MAY-2014 14:13
Operator : dac Inst ID: 50mv2b.i
Smp Info : 8260-cal6,65553:0
Misc Info : 64180
Comment :
Method : \\192.168.50.6\chem\50mv2b.i\b050214cal.b\-b8260_a_b.m
Meth Date : 05 May 2014 11:52 dengelhard Quant Type: ISTD
Cal Date : 15 APR 2014 22:38 Cal File: b09cal8.d
Als bottle: 58 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	REVIEW C
1	Dichlorodifluoromethane	85	0.971	0.971	(0.232)	165313	50.0000	52.5	
2	Chloromethane	50	1.077	1.077	(0.257)	112706	50.0000	41.7	
3	Vinyl Chloride	62	1.099	1.099	(0.263)	114664	50.0000	42.6	
4	Bromomethane	94	1.241	1.238	(0.297)	37326	50.0000	43.9	
5	Chloroethane	64	1.285	1.285	(0.307)	63337	50.0000	29.1	
6	Trichlorofluoromethane	101	1.397	1.397	(0.334)	190917	50.0000	42.8	
7	Diethyl ether	74	1.519	1.519	(0.363)	59242	50.0000	41.7	
8	Acrolein	56	1.591	1.591	(0.380)	265026	1000.00	835	
9	1,1-Dichloroethene	96	1.647	1.647	(0.394)	90857	50.0000	44.0	
10	1,1,2Trichlorotrifluoroethane	101	1.641	1.641	(0.392)	106181	50.0000	44.0	
11	Acetone	43	1.658	1.658	(0.396)	147189	250.000	193	
12	Iodomethane	142	1.733	1.733	(0.414)	184423	100.000	216(M)	NI
141	Acetonitrile	39	1.839	1.839	(0.440)	218005	50.0000	45.0	
13	Carbon Disulfide	76	1.778	1.778	(0.425)	482508	100.000	88.8	
14	allyl chloride	41	1.839	1.839	(0.440)	261269	100.000	93.2	
15	Methylene Chloride	84	1.914	1.914	(0.458)	93433	50.0000	34.9	
16	Acrylonitrile	53	2.050	2.048	(0.490)	717833	1000.00	854	
17	tert-Butyl Alcohol	59	1.953	1.956	(0.467)	23676	100.000	100	
18	1,2-Dichloroethene (trans)	96	2.081	2.081	(0.497)	98321	50.0000	43.7	
19	Methyl-tert-butyl ether	73	2.073	2.073	(0.495)	606485	100.000	99.2	
20	n-Hexane	57	2.259	2.262	(0.540)	172281	50.0000	51.9	
138	Methyl Acetate	43	1.825	1.822	(0.436)	81501	50.0000	43.3	
21	1,1-Dichloroethane	63	2.384	2.384	(0.570)	219771	50.0000	44.5	

Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b07cal6.d Page 2
Report Date: 05-May-2014 13:37

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL AMT (ppb)	AMOUNTS ON COL (ppb)	REVIEW C
	23 Vinyl Acetate	43	2.376	2.373	(0.560)	899926	200.000	210	
	143 Chloroprene	53	2.437	2.437	(0.582)	218128	50.0000	49.7	
	24 2,2-Dichloropropane	77	2.855	2.857	(0.682)	136293	50.0000	47.8	
	25 1,2-Dichloroethene (cis)	96	2.852	2.852	(0.682)	134278	50.0000	44.3	
	26 2-Butanone	43	2.838	2.838	(0.678)	270180	250.000	241	
	27 Propionitrile	54	2.902	2.893	(0.694)	18506	50.0000	49.1(Q)	
	142 Methacrylonitrile	41	3.041	3.041	(0.727)	75565	200.000	186	
	28 1,2-dichlorotrifluoroethane	67	1.539	1.538	(0.368)	121123	50.0000	42.1	
	29 Bromochloromethane	49	3.077	3.080	(0.735)	98435	50.0000	44.2	
	30 Tetrahydrofuran	42	3.094	3.094	(0.739)	35082	50.0000	20.8	
	31 Chloroform	83	3.186	3.188	(0.761)	226453	50.0000	42.5	
$	32 Dibromofluoromethane (S)	113	3.358	3.361	(0.803)	107339	50.0000	48.1	
	33 1,1,1-Trichloroethane	97	3.358	3.361	(0.803)	205672	50.0000	49.0	
	34 cyclohexane	56	3.436	3.436	(0.821)	205864	50.0000	46.6	
	35 Carbon Tetrachloride	117	3.536	3.536	(0.845)	167676	50.0000	54.0	
	36 1,1-Dichloropropene	75	3.545	3.547	(0.847)	178553	50.0000	50.1	
	37 Isobutyl alcohol	43	3.959	3.951	(0.946)	55734	50.0000	53.4	
	38 Benzene	78	3.784	3.787	(0.904)	437070	50.0000	44.5	
	39 1,2-Dichloroethane	62	3.878	3.876	(0.927)	198303	50.0000	45.4	
	144 2,2,4-Trimethylpentane	57	3.959	3.956	(0.946)	338309	50.0000	46.2	
*	40 Fluorobenzene	96	4.184	4.179	(1.000)	379899	50.0000		
	41 Trichloroethene	95	4.618	4.618	(1.104)	128722	50.0000	46.1	
	139 Methylcyclohexane	55	4.874	4.874	(1.165)	148770	50.0000	51.4	
	42 1,2-Dichloropropane	63	4.916	4.919	(1.175)	114406	50.0000	50.4	
	43 Dibromomethane	93	5.005	5.005	(1.196)	74862	50.0000	45.4	
	140 1,4-Dioxane	88	5.014	5.011	(1.198)	26456	50.0000	60.7	
	44 Methyl methacrylate	69	5.025	5.027	(1.201)	77465	50.0000	52.1	
	45 Bromodichloromethane	83	5.222	5.222	(1.248)	150626	50.0000	52.8	
	46 2-Chloroethyl vinyl ether	63	5.556	5.556	(0.766)	97795	200.000	235	
	47 cis 1,3 Dichloropropene	75	5.690	5.687	(0.785)	163480	50.0000	61.7	
	48 4 Methyl 2 Pentanone	43	5.857	5.857	(0.808)	507773	250.000	269	
$	49 Toluene d8	98	5.948	5.948	(0.820)	371336	50.0000	51.5	
	50 Toluene	91	6.015	6.015	(0.830)	481644	50.0000	46.2	
	51 trans-1,3-Dichloropropene	75	6.202	6.205	(0.856)	133297	50.0000	72.0	
	52 Ethyl Methacrylate	69	6.368	6.368	(0.878)	135772	50.0000	53.3	
	53 1,1,2-Trichloroethane	83	6.466	6.466	(0.892)	77498	50.0000	48.0	
	54 Tetrachloroethene	166	6.513	6.513	(0.898)	133097	50.0000	47.7	
	55 1,3-Dichloropropane	76	6.608	6.608	(0.911)	176630	50.0000	51.7	
	56 2-Hexanone	43	6.677	6.677	(0.921)	360736	250.000	273	
	57 Dibromochloromethane	129	6.789	6.789	(0.936)	100785	50.0000	66.1	
	58 1,2-Dibromoethane	107	6.872	6.875	(0.948)	106133	50.0000	54.1	
*	59 Chlorobenzene-d5	117	7.250	7.250	(1.000)	290944	50.0000		
	60 Chlorobenzene	112	7.273	7.273	(1.003)	320818	50.0000	46.4	
	61 1,1,1,2-Tetrachloroethane	131	7.353	7.353	(1.014)	110348	50.0000	59.6	
	62 Ethylbenzene	106	7.362	7.362	(1.015)	178887	50.0000	46.3	
	63 m&p-Xylene	106	7.462	7.465	(1.029)	437823	100.000	91.7	
	65 o-Xylene	106	7.732	7.732	(1.066)	208540	50.0000	48.0	
	66 Styrene	104	7.751	7.751	(1.069)	358747	50.0000	51.7	
	67 Bromoform	173	7.868	7.868	(0.892)	55757	50.0000	66.8	
	68 Isopropylbenzene	105	7.991	7.991	(1.102)	560692	50.0000	51.2	
	69 trans-1,4-Dichloro-2-butene	53	8.227	8.230	(1.135)	30996	50.0000	73.4(Q)	
$	70 4-Bromofluorobenzene	95	8.102	8.102	(1.117)	161106	50.0000	52.0	
	71 Bromobenzene	77	8.183	8.185	(1.129)	205705	50.0000	46.1	
	72 1,1,2,2-Tetrachloroethane	83	8.205	8.205	(0.930)	118897	50.0000	48.4	

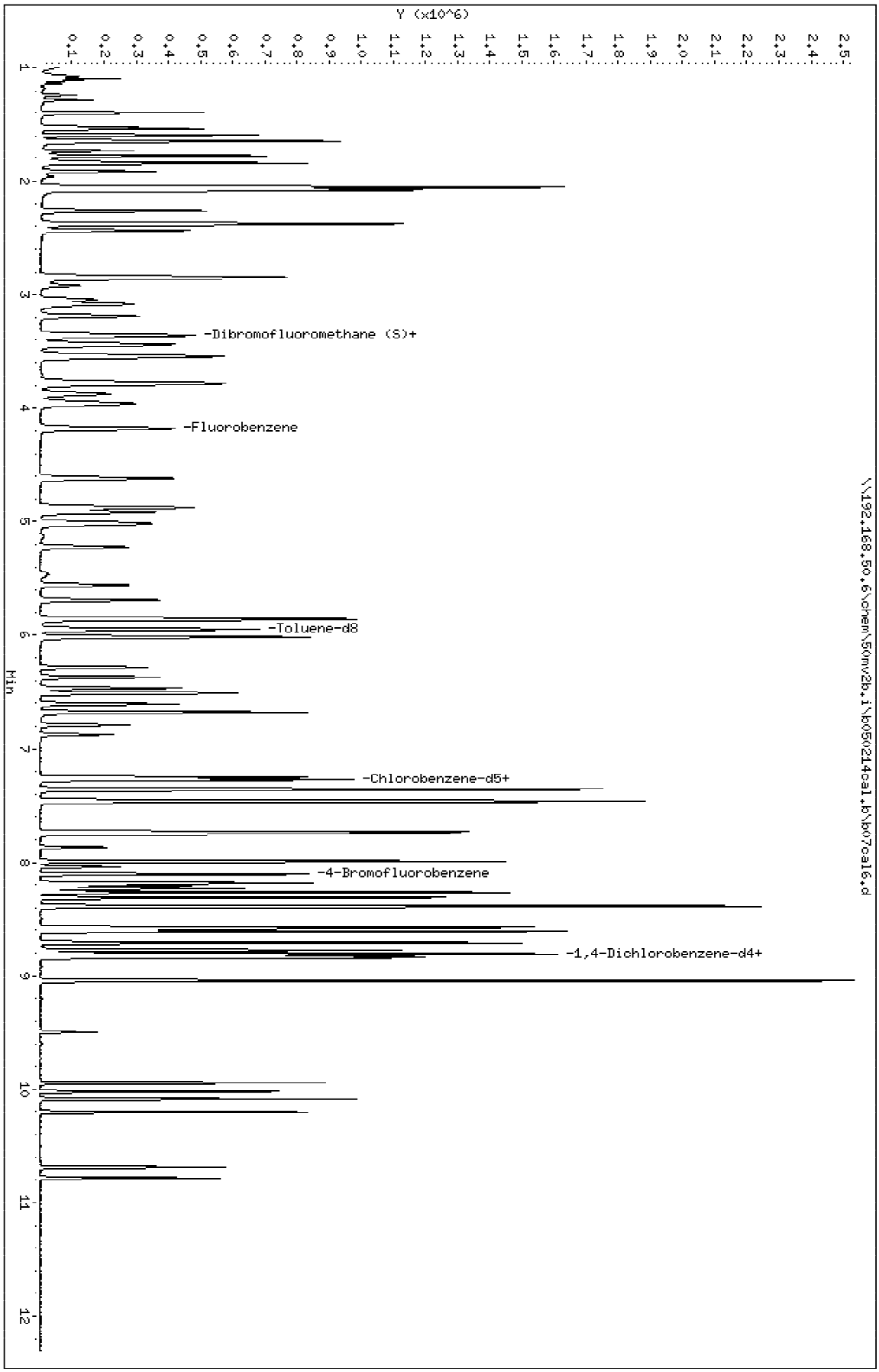
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL AMT (ppb)	AMOUNTS ON COL (ppb)	REVIEW C
73	1,2,3-Trichloropropane	110	8.233	8.235	(0.933)	46081	50.0000	44.9	
74	n-Propylbenzene	91	8.263	8.263	(0.936)	636162	50.0000	48.5	
75	2-Chlorotoluene	91	8.310	8.310	(0.942)	392897	50.0000	44.6	
76	4-Chlorotoluene	126	8.391	8.391	(0.951)	132299	50.0000	43.3	
77	1,3,5-Trimethylbenzene	105	8.383	8.383	(0.950)	490241	50.0000	49.7	
78	tert-Butylbenzene	119	8.575	8.575	(0.972)	516068	50.0000	52.4	
79	1,2,4-Trimethylbenzene	105	8.611	8.611	(0.976)	500157	50.0000	50.4	
80	sec-Butylbenzene	105	8.711	8.711	(0.987)	567411	50.0000	49.7	
81	1,3-Dichlorobenzene	146	8.775	8.775	(0.994)	246144	50.0000	45.7	
* 82	1,4-Dichlorobenzene-d4	152	8.825	8.825	(1.000)	158777	50.0000		
83	p-Isopropyltoluene	119	8.806	8.806	(0.998)	520692	50.0000	51.9	
84	1,4-Dichlorobenzene	146	8.839	8.839	(1.002)	252209	50.0000	44.8	
85	1,2-Dichlorobenzene	146	9.042	9.045	(1.025)	229409	50.0000	47.3	
86	n-Butylbenzene	91	9.042	9.042	(1.025)	430771	50.0000	53.5	
87	1,2-Dibromo-3-chloropropane	155	9.496	9.496	(1.076)	19678	50.0000	68.8	
88	1,2,4-Trichlorobenzene	180	9.944	9.944	(1.127)	142369	50.0000	62.4	
89	Hexachlorobutadiene	225	10.022	10.022	(1.136)	80234	50.0000	49.5	
90	Naphthalene	128	10.086	10.086	(1.143)	409654	50.0000	88.5	
91	1,2,3-Trichlorobenzene	180	10.202	10.202	(1.156)	134333	50.0000	63.4	
92	2,methyl-naphthalene	142	10.689	10.687	(1.211)	144249	50.0000	485	
145	1-Methylnaphthalene	142	10.781	10.781	(1.222)	140936	50.0000	215	

QC Flag Legend

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

Review Codes Legend

:
NI: Indicates that the peak was not integrated at all by the computer software.



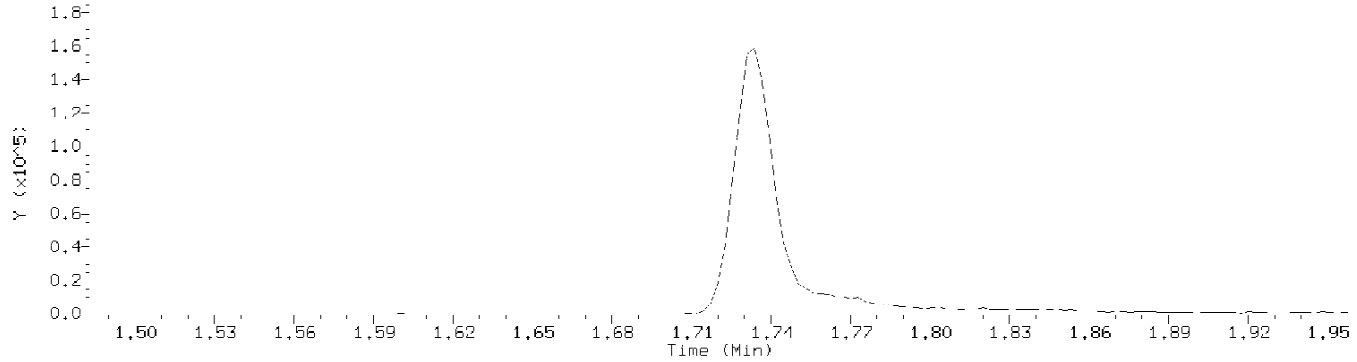
Data File: \\192.168.50.6\chem\50mv2b.i\b05\214cal.b\b07cal6.d
Date : 02-MAY-2014 14:13
Client ID: 8260-CAL6,65553:0
Sample Info: 8260-CAL6,65553:0
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mv2b.i
Operator: dae
Column diameter: 0.18

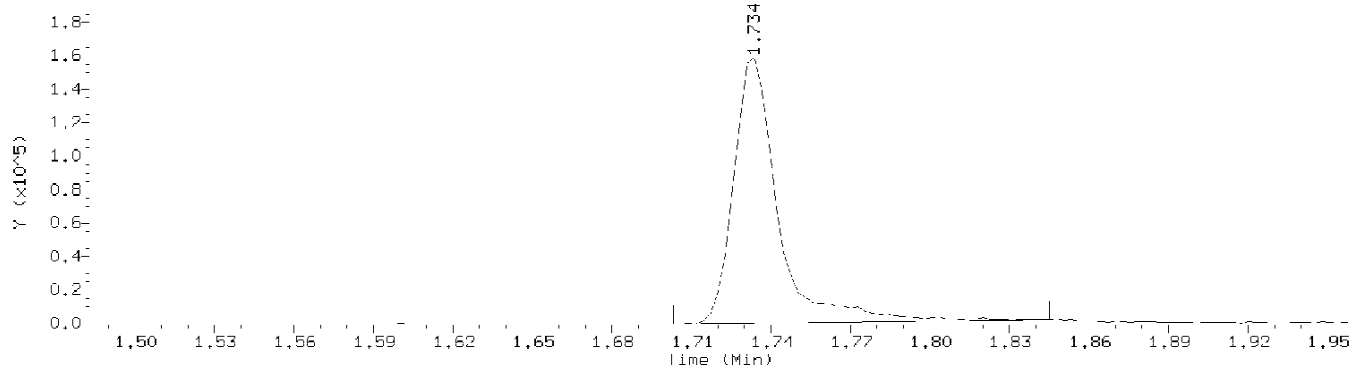
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b07cal6.d
Injection Date: 02-MAY-2014 14:13
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL6,65553:0

Compound: Iodomethane
CAS Number:

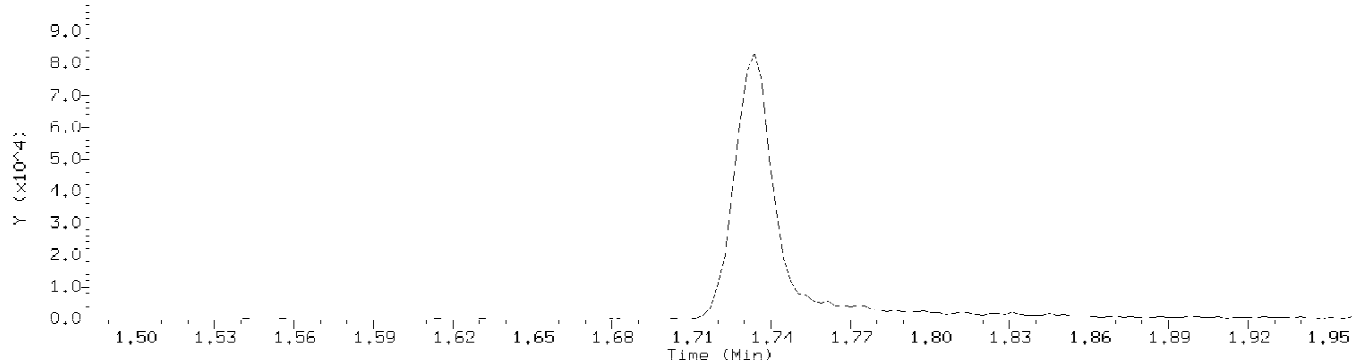
Original Ion: 142 Area: 0 Height: 0 (02-May-2014 14:48 dengelhardt)



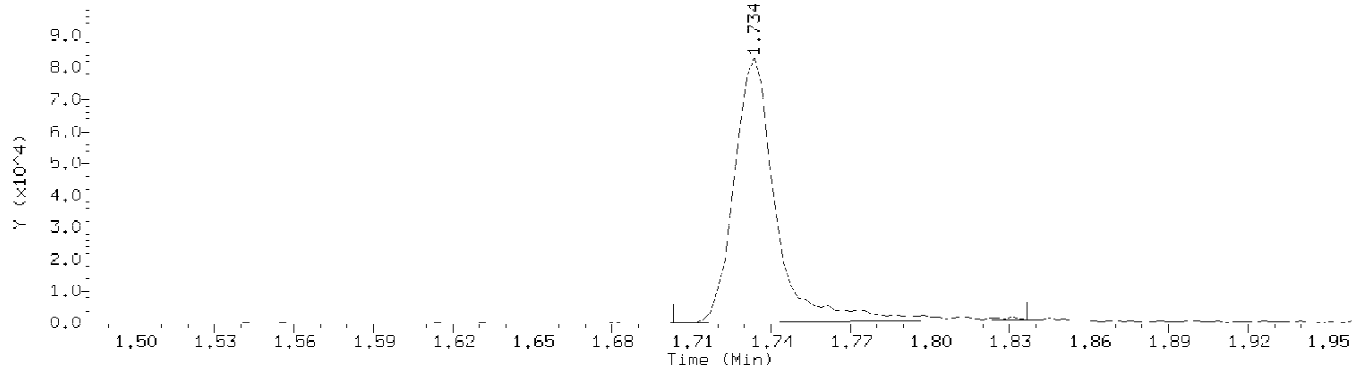
Manually Integrated Ion: 142 Area: 184423 Height: 158393 (02-May-2014 15:45 dengelhardt)



Original Ion: 127 Area: 0 Height: 0 (02-May-2014 14:48 dengelhardt)



Manually Integrated Ion: 127 Area: 91385 Height: 82804 (02-May-2014 15:45 dengelhardt)



Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b08cal7.d Page 1
Report Date: 05-May-2014 13:37

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b08cal7.d
Lab Smp Id: 8260-CAL7,65554:0 Client Smp ID: 8260-CAL7,65554:0
Inj Date : 02-MAY-2014 14:46
Operator : dac Inst ID: 50mv2b.i
Smp Info : 8260-cal7,65554:0
Misc Info : 64180
Comment :
Method : \\192.168.50.6\chem\50mv2b.i\b050214cal.b\-b8260_a_b.m
Meth Date : 05 May 2014 11:52 dengelhard Quant Type: ISTD
Cal Date : 15 APR 2014 22:38 Cal File: b09cal8.d
Als bottle: 59 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	REVIEW C
1	Dichlorodifluoromethane	85	0.971	0.971	(0.232)	464847	150.000	144(M)	NI
2	Chloromethane	50	1.074	1.077	(0.257)	352704	150.000	132	
3	Vinyl Chloride	62	1.099	1.099	(0.263)	354523	150.000	132	
4	Bromomethane	94	1.235	1.238	(0.296)	123761	150.000	146(M)	NI
5	Chloroethane	64	1.283	1.285	(0.307)	189386	150.000	91.7	
6	Trichlorofluoromethane	101	1.394	1.397	(0.334)	577778	150.000	125	
7	Diethyl ether	74	1.519	1.519	(0.364)	180373	150.000	128	
8	Acrolein	56	1.592	1.591	(0.381)	826741	3000.00	2630	
9	1,1-Dichloroethene	96	1.644	1.647	(0.394)	278283	150.000	135	
10	1,1,2Trichlorotrifluoroethane	101	1.639	1.641	(0.392)	327860	150.000	136	
11	Acetone	43	1.658	1.658	(0.397)	472061	750.000	632	
12	Iodomethane	142	1.731	1.733	(0.414)	692050	300.000	666(M)	NI
141	Acetonitrile	39	1.839	1.839	(0.440)	656499	150.000	135	
13	Carbon Disulfide	76	1.778	1.778	(0.425)	1580177	300.000	291	
14	allyl chloride	41	1.839	1.839	(0.440)	792069	300.000	280	
15	Methylene Chloride	84	1.911	1.914	(0.457)	302714	150.000	117	
16	Acrylonitrile	53	2.053	2.048	(0.491)	2257671	3000.00	2700	
17	tert-Butyl Alcohol	59	1.956	1.956	(0.468)	77526	300.000	322	
18	1,2-Dichloroethene (trans)	96	2.081	2.081	(0.498)	308690	150.000	138	
19	Methyl-tert-butyl ether	73	2.073	2.073	(0.496)	1894390	300.000	304	
20	n-Hexane	57	2.259	2.262	(0.541)	425732	150.000	125	
138	Methyl Acetate	43	1.822	1.822	(0.436)	253048	150.000	135	
21	1,1-Dichloroethane	63	2.382	2.384	(0.570)	589416	150.000	119	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL AMT (ppb)	ON COL (ppb)	REVIEW C
	23 Vinyl Acetate	43	2.376	2.373	(0.569)	2372509	600.000	555	
	143 Chloroprene	53	2.435	2.437	(0.583)	597197	150.000	134	
	24 2,2-Dichloropropane	77	2.857	2.857	(0.684)	465822	150.000	161(M)	NI
	25 1,2-Dichloroethene (cis)	96	2.849	2.852	(0.682)	416969	150.000	138	
	26 2-Butanone	43	2.838	2.838	(0.679)	857371	750.000	733	
	27 Propionitrile	54	2.899	2.893	(0.694)	67453	150.000	176(Q)	
	142 Methacrylonitrile	41	3.044	3.041	(0.728)	236536	600.000	584	
	28 1,2-dichlorotrifluoroethane	67	1.536	1.538	(0.368)	376923	150.000	132	
	29 Bromochloromethane	49	3.077	3.080	(0.736)	291529	150.000	131	
	30 Tetrahydrofuran	42	3.094	3.094	(0.740)	105186	150.000	67.8	
	31 Chloroform	83	3.186	3.188	(0.762)	722863	150.000	137	
$	32 Dibromofluoromethane (S)	113	3.361	3.361	(0.804)	106492	50.0000	47.1	
	33 1,1,1-Trichloroethane	97	3.361	3.361	(0.804)	676249	150.000	159	
	34 cyclohexane	56	3.436	3.436	(0.822)	631486	150.000	142	
	35 Carbon Tetrachloride	117	3.536	3.536	(0.846)	564592	150.000	176	
	36 1,1-Dichloropropene	75	3.545	3.547	(0.848)	562767	150.000	155	
	37 Isobutyl alcohol	43	3.951	3.951	(0.945)	182599	150.000	170	
	38 Benzene	78	3.784	3.787	(0.905)	1390515	150.000	142(M)	NI
	39 1,2-Dichloroethane	62	3.873	3.876	(0.927)	626344	150.000	143(M)	WP
	144 2,2,4-Trimethylpentane	57	3.956	3.956	(0.947)	1062860	150.000	144	
*	40 Fluorobenzene	96	4.179	4.179	(1.000)	387166	50.0000		
	41 Trichloroethene	95	4.619	4.618	(1.105)	416325	150.000	148	
	139 Methylcyclohexane	55	4.875	4.874	(1.166)	484601	150.000	164	
	42 1,2-Dichloropropane	63	4.919	4.919	(1.177)	371436	150.000	160	
	43 Dibromomethane	93	5.008	5.005	(1.198)	236990	150.000	143	
	140 1,4-Dioxane	88	5.008	5.011	(1.198)	86824	150.000	188(M)	NI
	44 Methyl methacrylate	69	5.025	5.027	(1.202)	250509	150.000	164	
	45 Bromodichloromethane	83	5.222	5.222	(1.250)	512184	150.000	174	
	46 2-Chloroethyl vinyl ether	63	5.556	5.556	(0.766)	317026	600.000	724	
	47 cis 1,3 Dichloropropene	75	5.690	5.687	(0.785)	587014	150.000	208	
	48 4 Methyl 2 Pentanone	43	5.860	5.857	(0.808)	1588696	750.000	812	
$	49 Toluene d8	98	5.946	5.948	(0.820)	374409	50.0000	50.5	
	50 Toluene	91	6.015	6.015	(0.830)	1547611	150.000	147	
	51 trans-1,3-Dichloropropene	75	6.282	6.285	(0.866)	505621	150.000	248	
	52 Ethyl Methacrylate	69	6.369	6.368	(0.878)	449800	150.000	170	
	53 1,1,2-Trichloroethane	83	6.466	6.466	(0.892)	251589	150.000	153	
	54 Tetrachloroethene	166	6.513	6.513	(0.898)	434575	150.000	152	
	55 1,3-Dichloropropane	76	6.608	6.608	(0.911)	585761	150.000	166	
	56 2-Hexanone	43	6.680	6.677	(0.921)	1145708	750.000	834	
	57 Dibromochloromethane	129	6.792	6.789	(0.937)	375918	150.000	228	
	58 1,2-Dibromoethane	107	6.875	6.875	(0.948)	353563	150.000	174	
*	59 Chlorobenzene-d5	117	7.251	7.250	(1.000)	297988	50.0000		
	60 Chlorobenzene	112	7.273	7.273	(1.003)	1045179	150.000	149	
	61 1,1,1,2-Tetrachloroethane	131	7.354	7.353	(1.014)	389054	150.000	199	
	62 Ethylbenzene	106	7.362	7.362	(1.015)	579042	150.000	148	
	63 m&p-Xylene	106	7.465	7.465	(1.030)	1412078	300.000	293	
	65 o-Xylene	106	7.735	7.732	(1.067)	680763	150.000	154	
	66 Styrene	104	7.751	7.751	(1.069)	1150779	150.000	161	
	67 Bromoform	173	7.868	7.868	(0.892)	228871	150.000	253	
	68 Isopropylbenzene	105	7.991	7.991	(1.102)	1861050	150.000	165	
	69 trans-1,4-Dichloro-2-butene	53	8.230	8.230	(1.135)	118472	150.000	250(Q)	
$	70 4-Bromofluorobenzene	95	8.105	8.102	(1.118)	164713	50.0000	51.5	
	71 Bromobenzene	77	8.185	8.185	(1.129)	670507	150.000	149	
	72 1,1,2,2-Tetrachloroethane	83	8.205	8.205	(0.930)	395360	150.000	158	

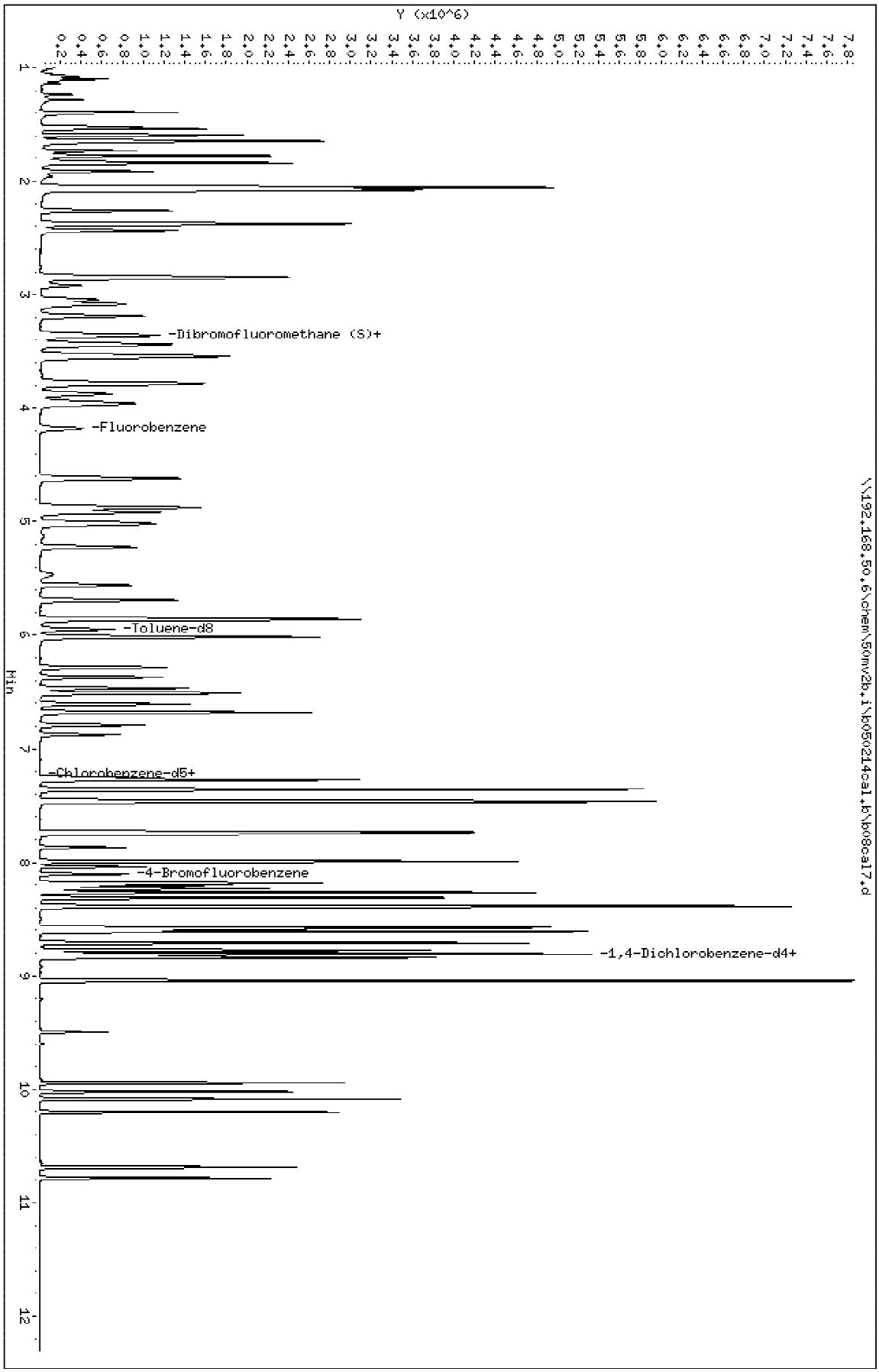
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL AMT (ppb)	AMOUNTS ON COL (ppb)	REVIEW C
73 1,2,3-Trichloropropane	110	8.233	8.235	(0.933)	155745	150.000	140	
74 n-Propylbenzene	91	8.266	8.263	(0.937)	2135900	150.000	159	
75 2-Chlorotoluene	91	8.313	8.310	(0.942)	1315449	150.000	148	
76 4-Chlorotoluene	126	8.391	8.391	(0.951)	428605	150.000	140	
77 1,3,5-Trimethylbenzene	105	8.383	8.383	(0.950)	1615682	150.000	160	
78 tert-Butylbenzene	119	8.575	8.575	(0.972)	1747652	150.000	172	
79 1,2,4-Trimethylbenzene	105	8.611	8.611	(0.976)	1665310	150.000	163	
80 sec-Butylbenzene	105	8.711	8.711	(0.987)	1902368	150.000	162	
81 1,3-Dichlorobenzene	146	8.775	8.775	(0.994)	807065	150.000	148	
* 82 1,4-Dichlorobenzene-d4	152	8.825	8.825	(1.000)	162884	50.0000	(Q)	
83 p-Isopropyltoluene	119	8.806	8.806	(0.998)	1730948	150.000	167	
84 1,4-Dichlorobenzene	146	8.839	8.839	(1.002)	805453	150.000	142	
85 1,2-Dichlorobenzene	146	9.042	9.045	(1.025)	720458	150.000	146	
86 n-Butylbenzene	91	9.045	9.042	(1.025)	1402864	150.000	168	
87 1,2-Dibromo-3-chloropropane	155	9.496	9.496	(1.076)	74696	150.000	237	
88 1,2,4-Trichlorobenzene	180	9.944	9.944	(1.127)	486665	150.000	200	
89 Hexachlorobutadiene	225	10.022	10.022	(1.136)	271500	150.000	164	
90 Naphthalene	128	10.086	10.086	(1.143)	1417940	150.000	265	
91 1,2,3-Trichlorobenzene	180	10.203	10.202	(1.156)	461075	150.000	203	
92 2,methyl-naphthalene	142	10.687	10.687	(1.211)	619312	150.000	741	
145 1-Methylnaphthalene	142	10.781	10.781	(1.222)	545499	150.000	444	

QC Flag Legend

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

Review Codes Legend

NI: Indicates that the peak was not integrated at all by the computer software.
:
WP: Indicates that the wrong peak was chosen by the data system.



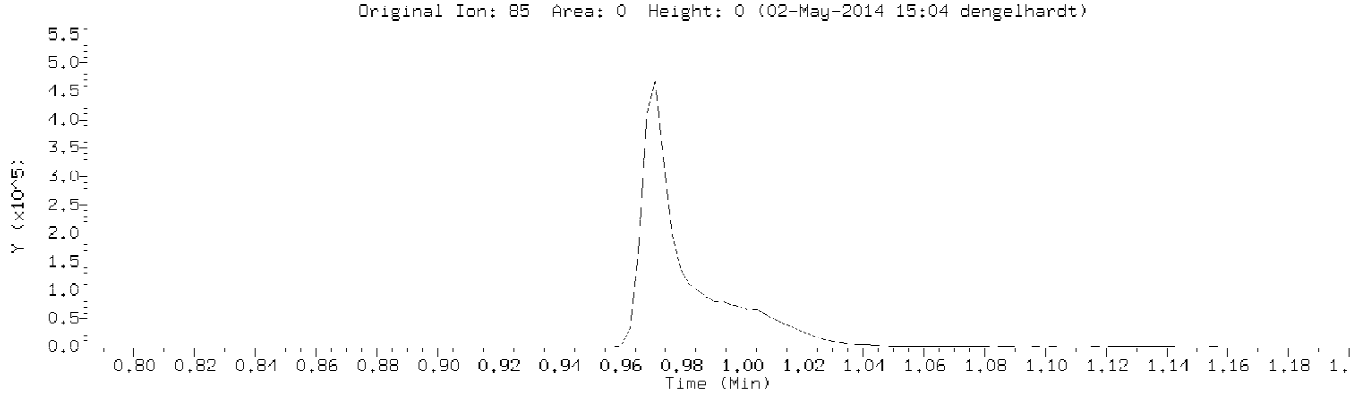
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b08cal7.d
Date : 02-MAY-2014 14:46
Client ID: 8260-CAL7,65554:0
Sample Info: 8260-CAL7,65554:0
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mv2b.i
Operator: dae
Column diameter: 0.18

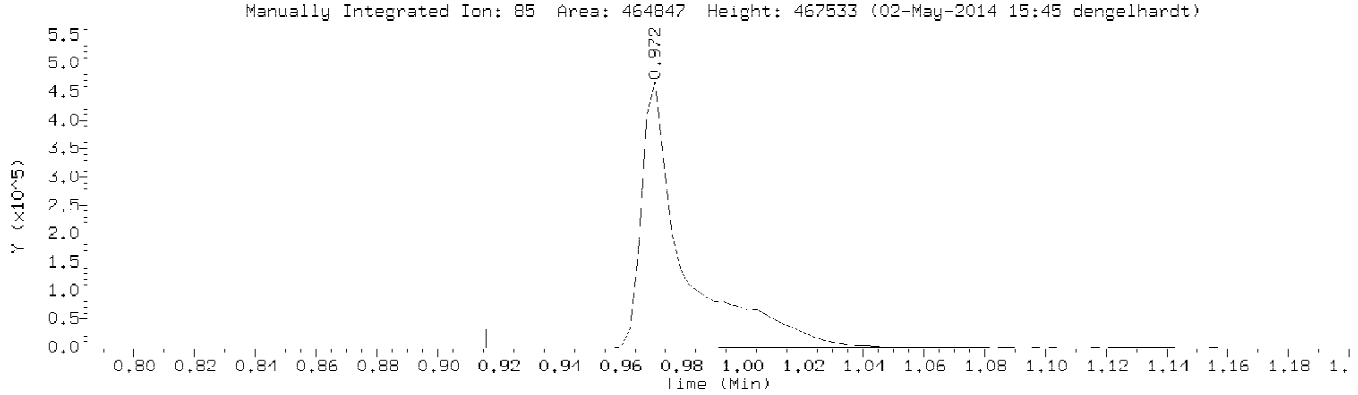
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b08cal7.d
Injection Date: 02-MAY-2014 14:46
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL7,65554:0

Compound: Dichlorodifluoromethane
CAS Number: 107-06-2

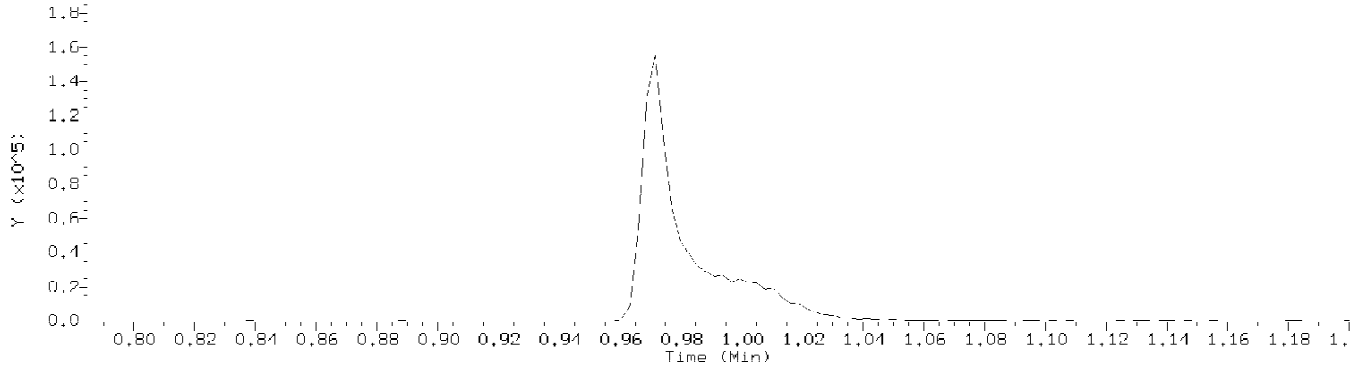
Original Ion: 85 Area: 0 Height: 0 (02-May-2014 15:04 dengelhardt)



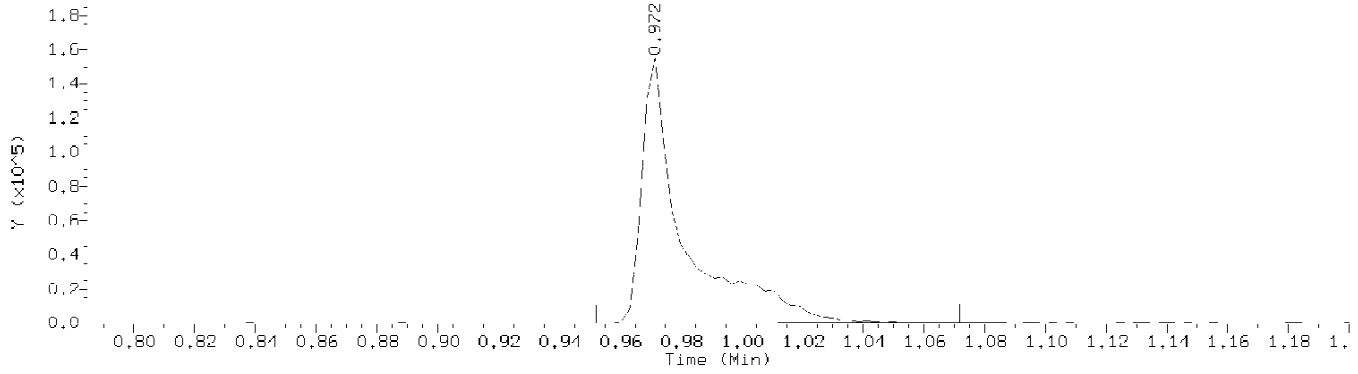
Manually Integrated Ion: 85 Area: 464847 Height: 467533 (02-May-2014 15:45 dengelhardt)



Original Ion: 87 Area: 0 Height: 0 (02-May-2014 15:04 dengelhardt)

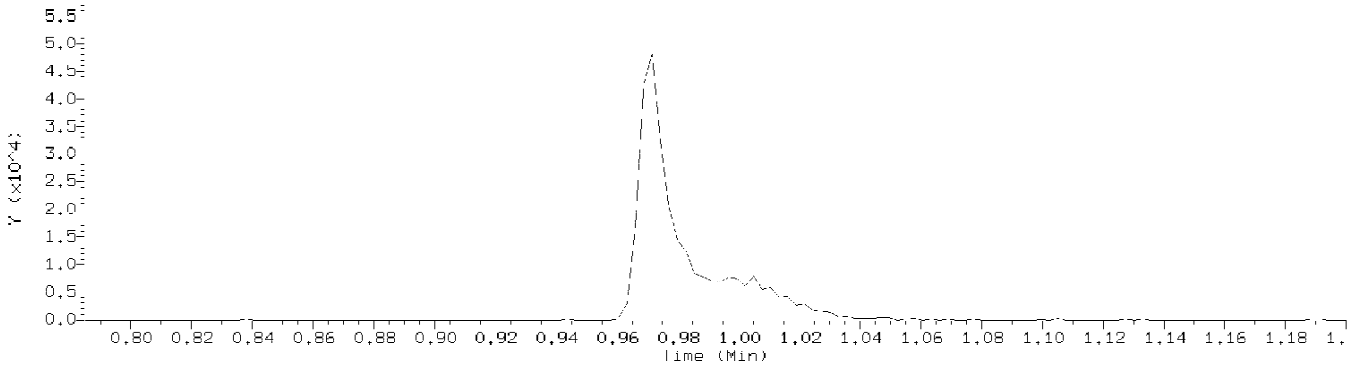


Manually Integrated Ion: 87 Area: 151786 Height: 155402 (02-May-2014 15:45 dengelhardt)

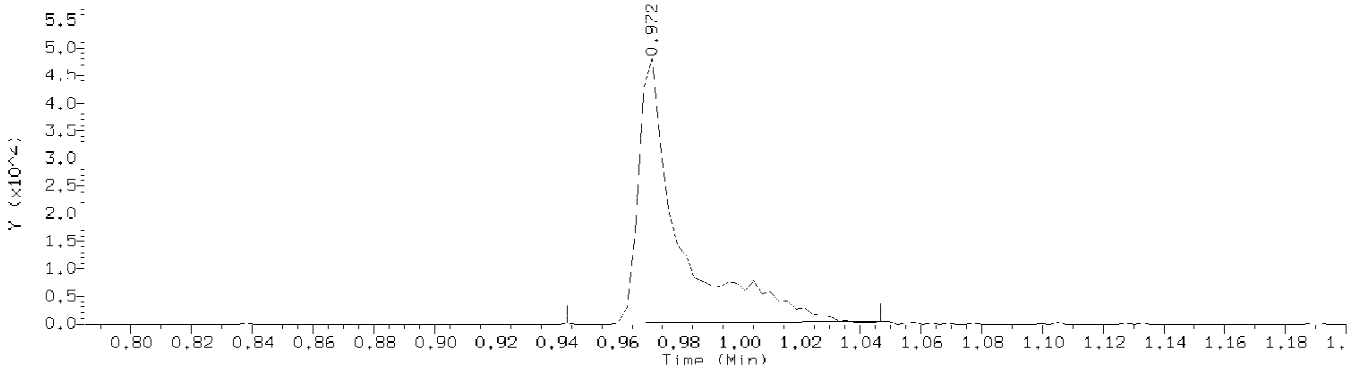


Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b08cal7.d
Injection Date: 02-MAY-2014 14:46
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL7,65554:0

Original Ion: 101 Area: 0 Height: 0 (02-May-2014 15:04 dengelhardt)

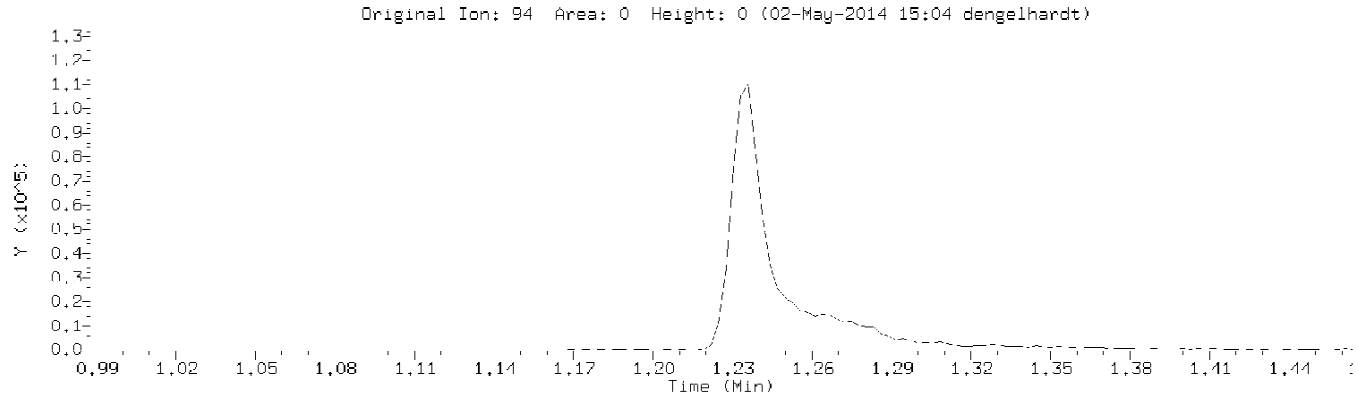


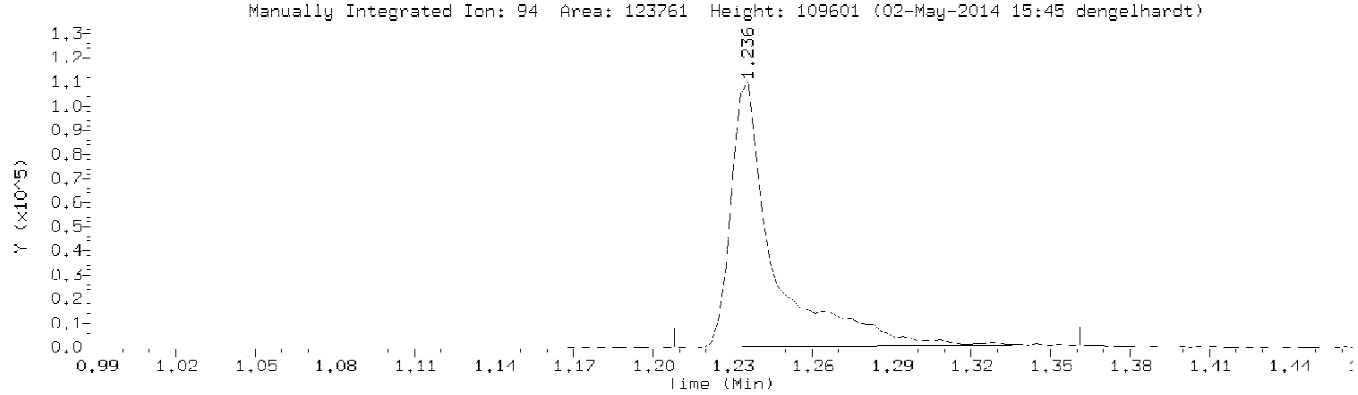
Manually Integrated Ion: 101 Area: 45234 Height: 47905 (02-May-2014 15:45 dengelhardt)

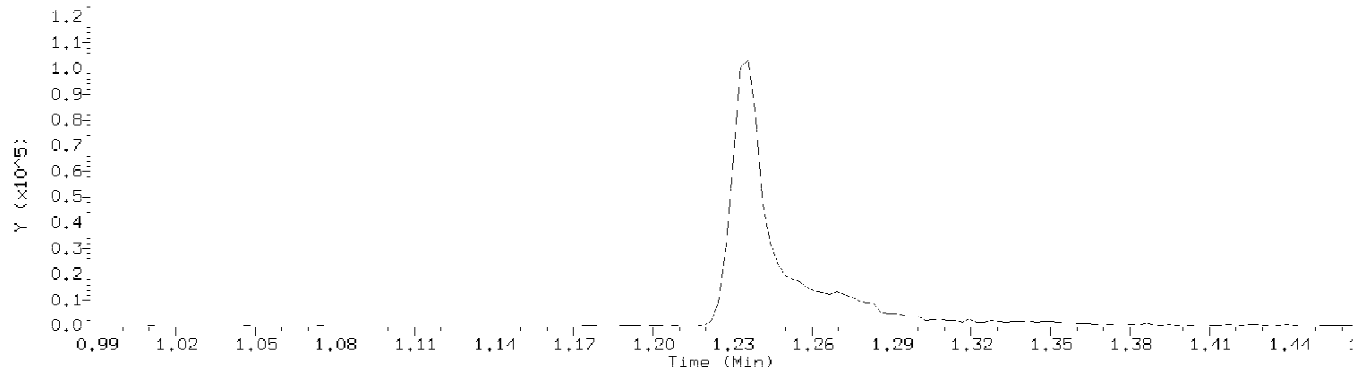


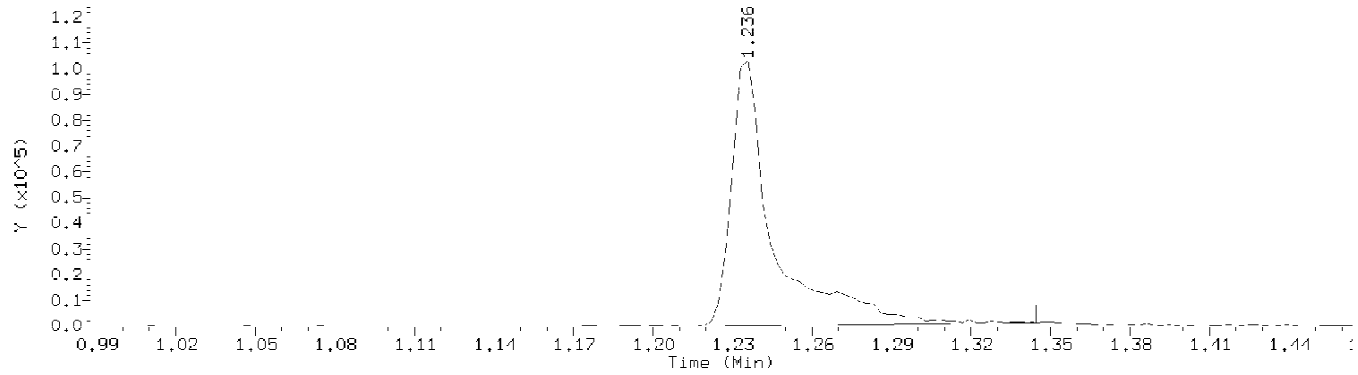
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b08cal7.d
Injection Date: 02-MAY-2014 14:46
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL7,65554:0

Compound: Bromomethane
CAS Number: 74-83-9





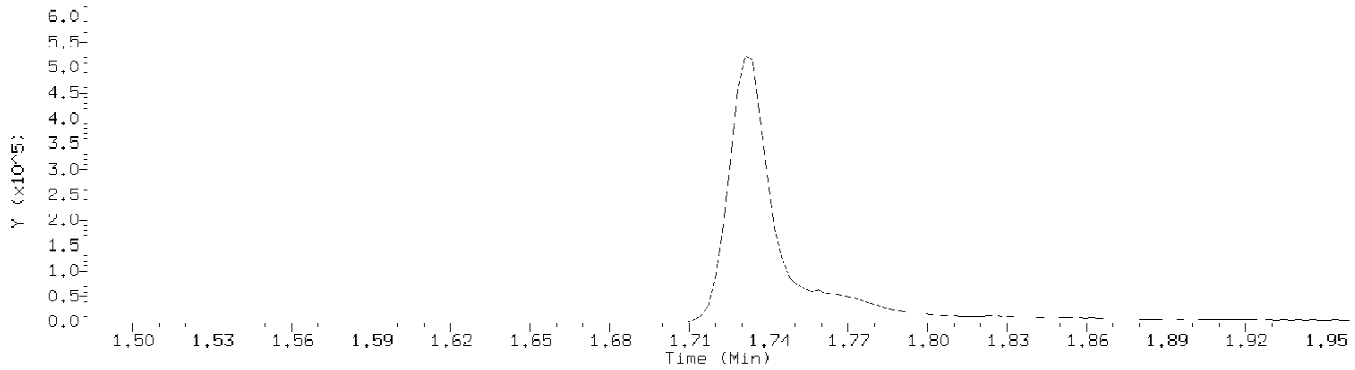




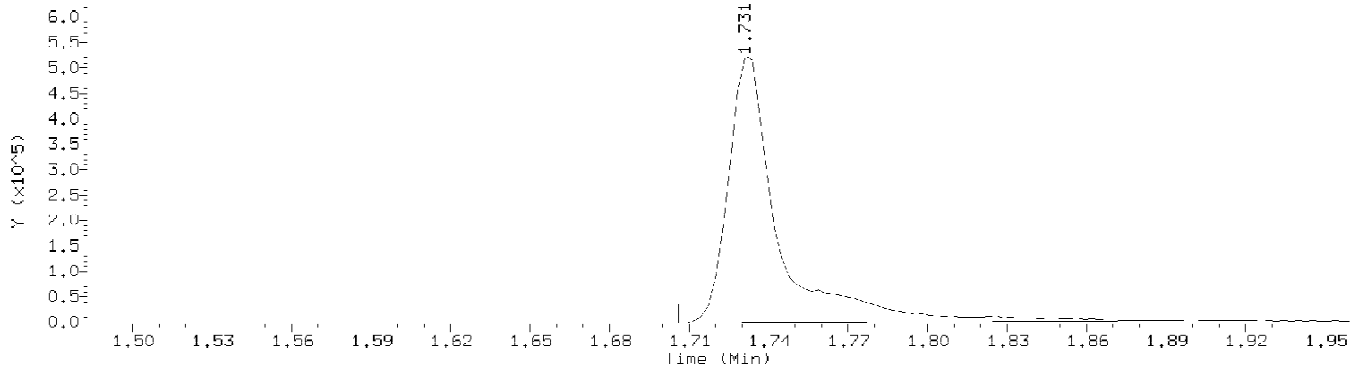
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b08cal7.d
Injection Date: 02-MAY-2014 14:46
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL7,65554:0

Compound: Iodomethane
CAS Number:

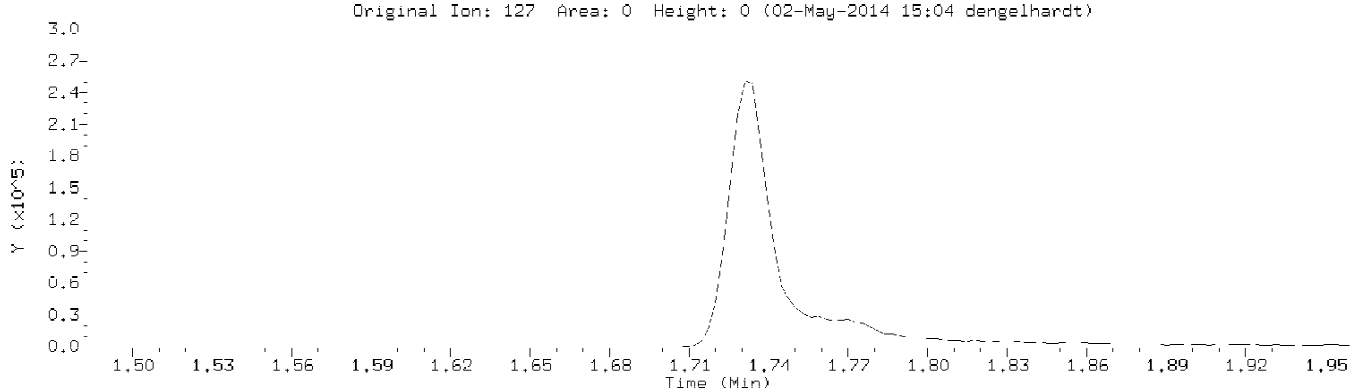
Original Ion: 142 Area: 0 Height: 0 (02-May-2014 15:04 dengelhardt)



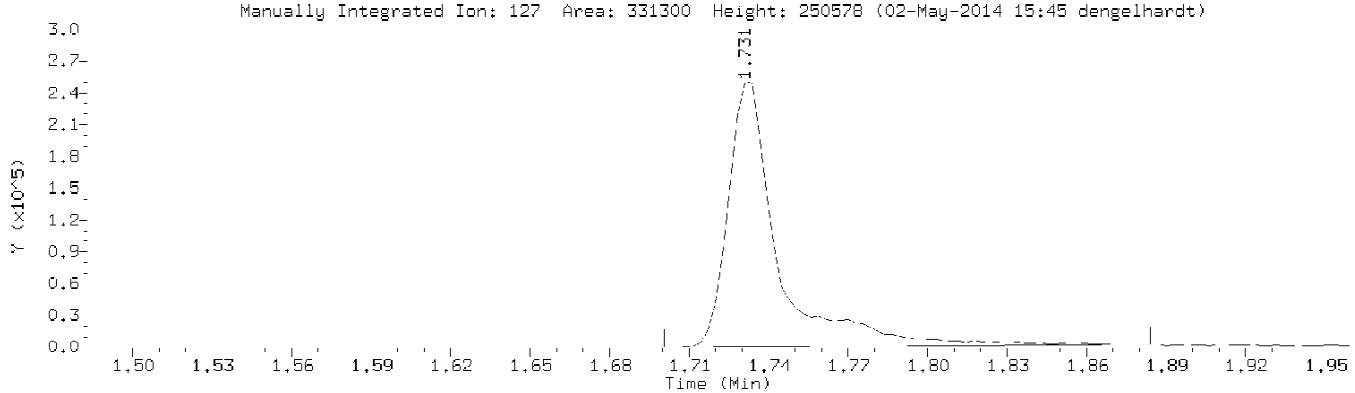
Manually Integrated Ion: 142 Area: 692050 Height: 521803 (02-May-2014 15:45 dengelhardt)



Original Ion: 127 Area: 0 Height: 0 (02-May-2014 15:04 dengelhardt)



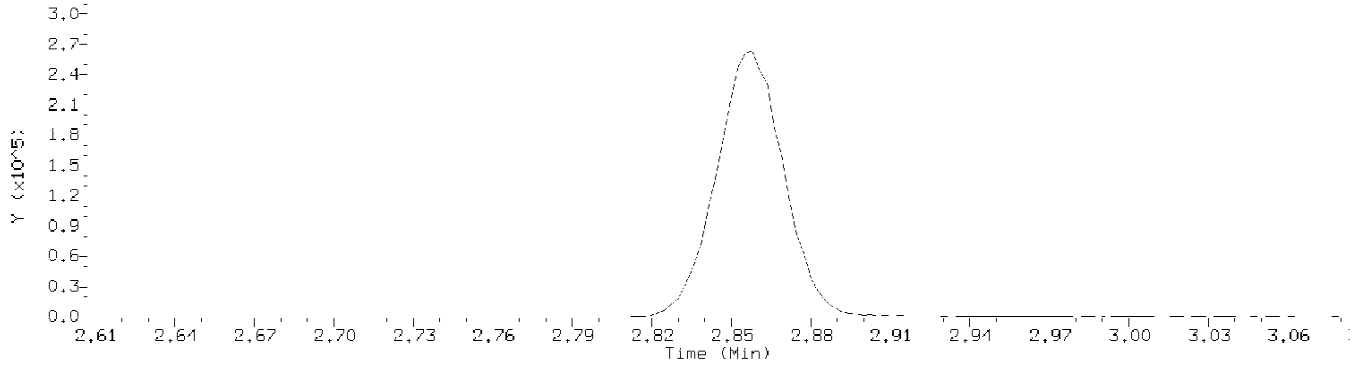
Manually Integrated Ion: 127 Area: 331300 Height: 250578 (02-May-2014 15:45 dengelhardt)



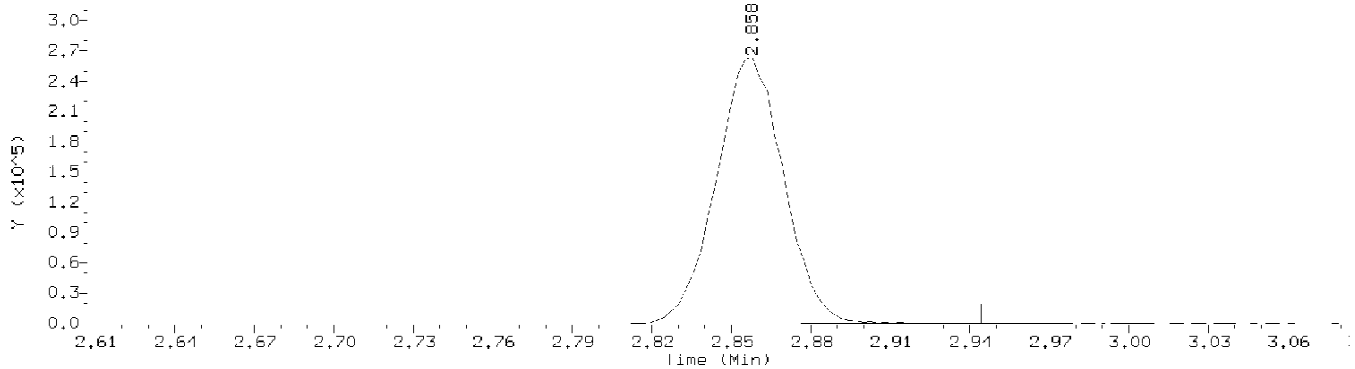
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b08cal7.d
Injection Date: 02-MAY-2014 14:46
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL7,65554:0

Compound: 2,2-Dichloropropane
CAS Number: 594-20-7

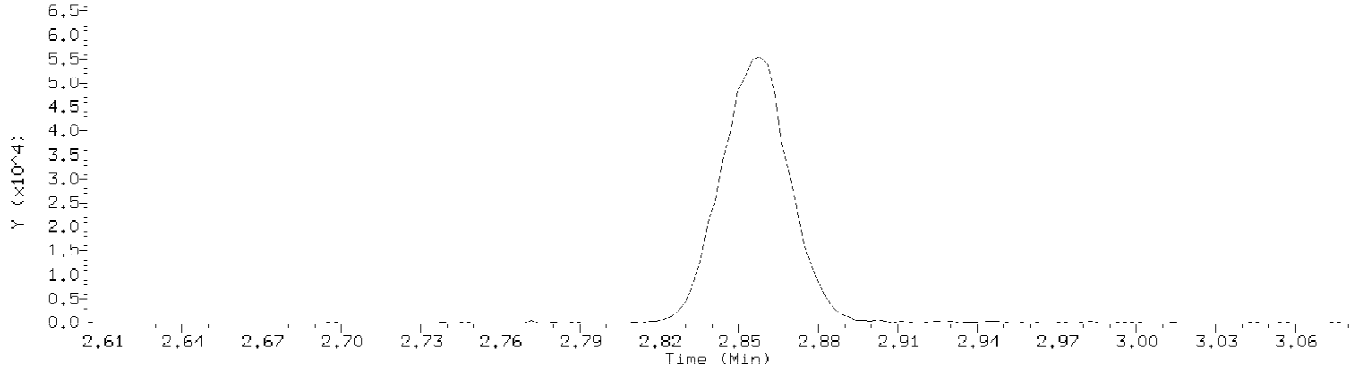
Original Ion: 77 Area: 0 Height: 0 (02-May-2014 15:04 dengelhardt)



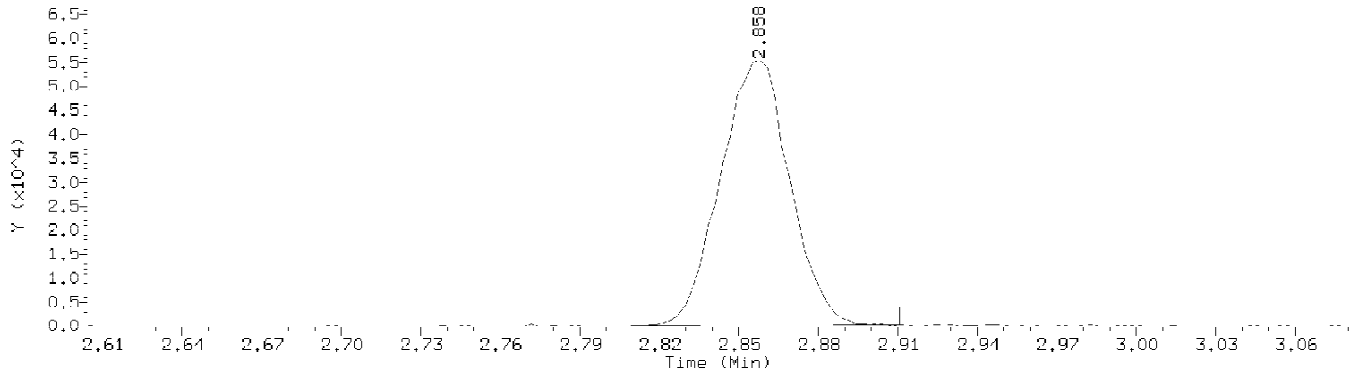
Manually Integrated Ion: 77 Area: 465822 Height: 263100 (02-May-2014 15:45 dengelhardt)



Original Ion: 97 Area: 0 Height: 0 (02-May-2014 15:04 dengelhardt)



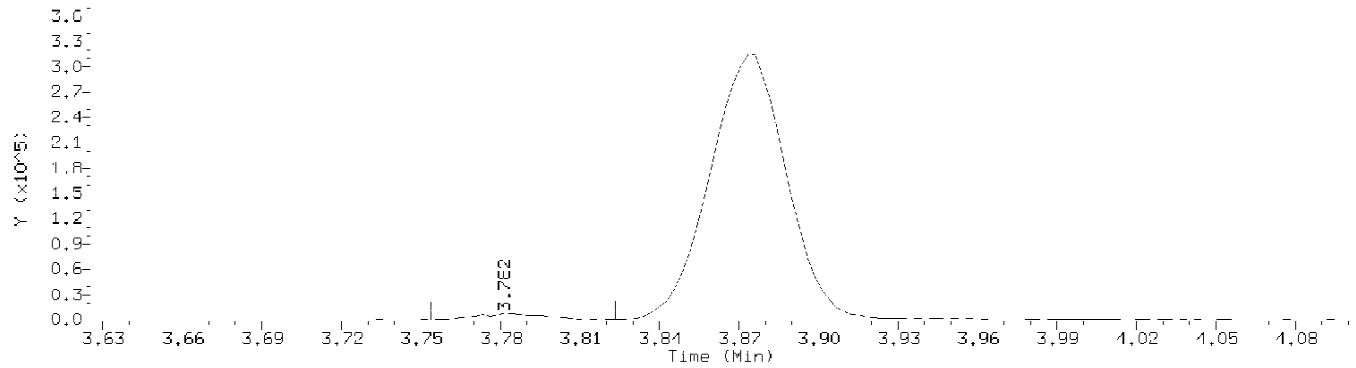
Manually Integrated Ion: 97 Area: 99918 Height: 55190 (02-May-2014 15:45 dengelhardt)



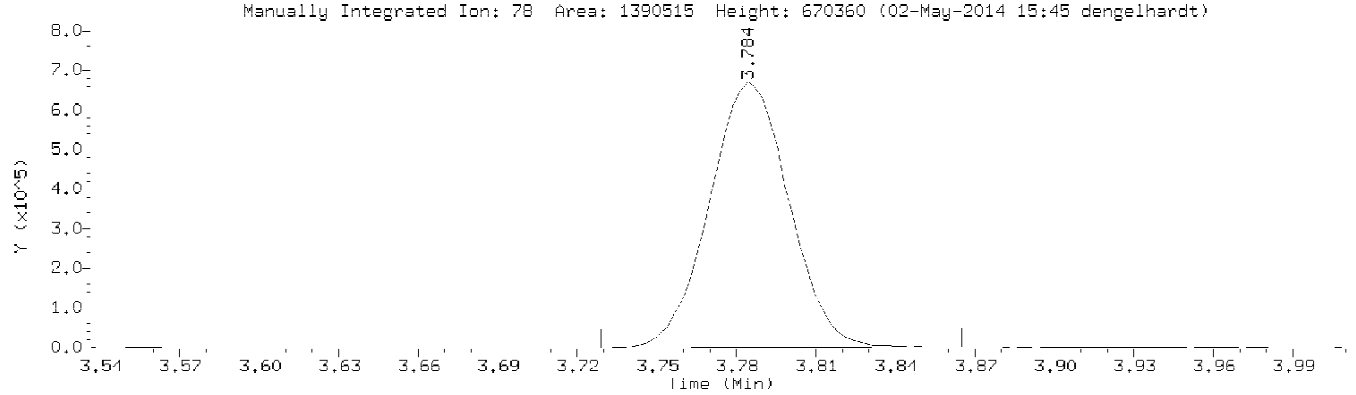
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b08cal7.d
Injection Date: 02-MAY-2014 14:46
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL7,65554:0

Compound: Benzene
CAS Number: 71-43-2

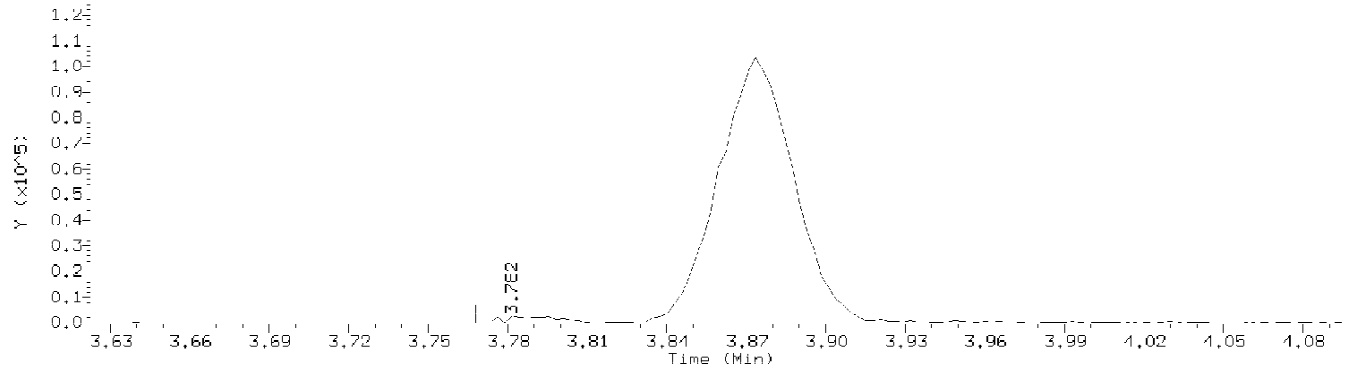
Original Ion: 62 Area: 13856 Height: 7951 (02-May-2014 15:04 dengelhardt)



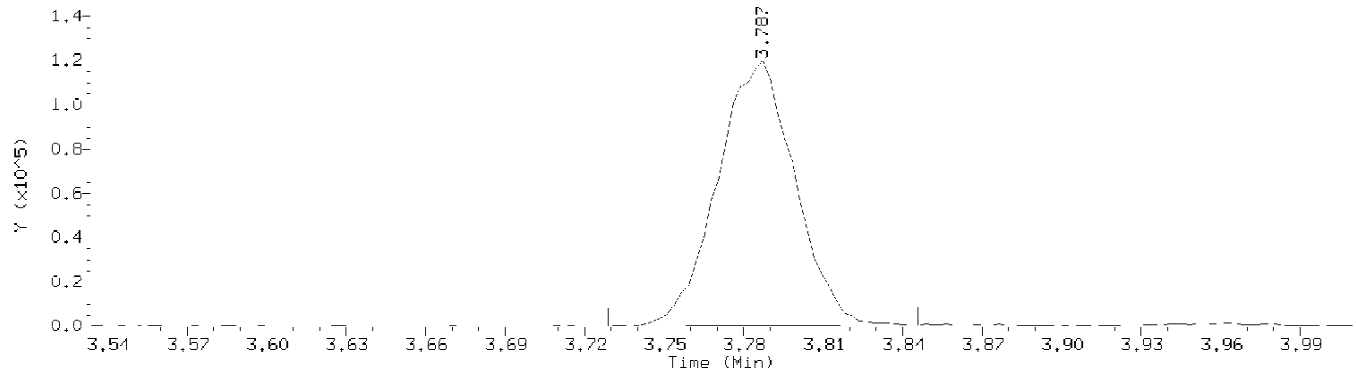
Manually Integrated Ion: 78 Area: 1390515 Height: 670360 (02-May-2014 15:45 dengelhardt)



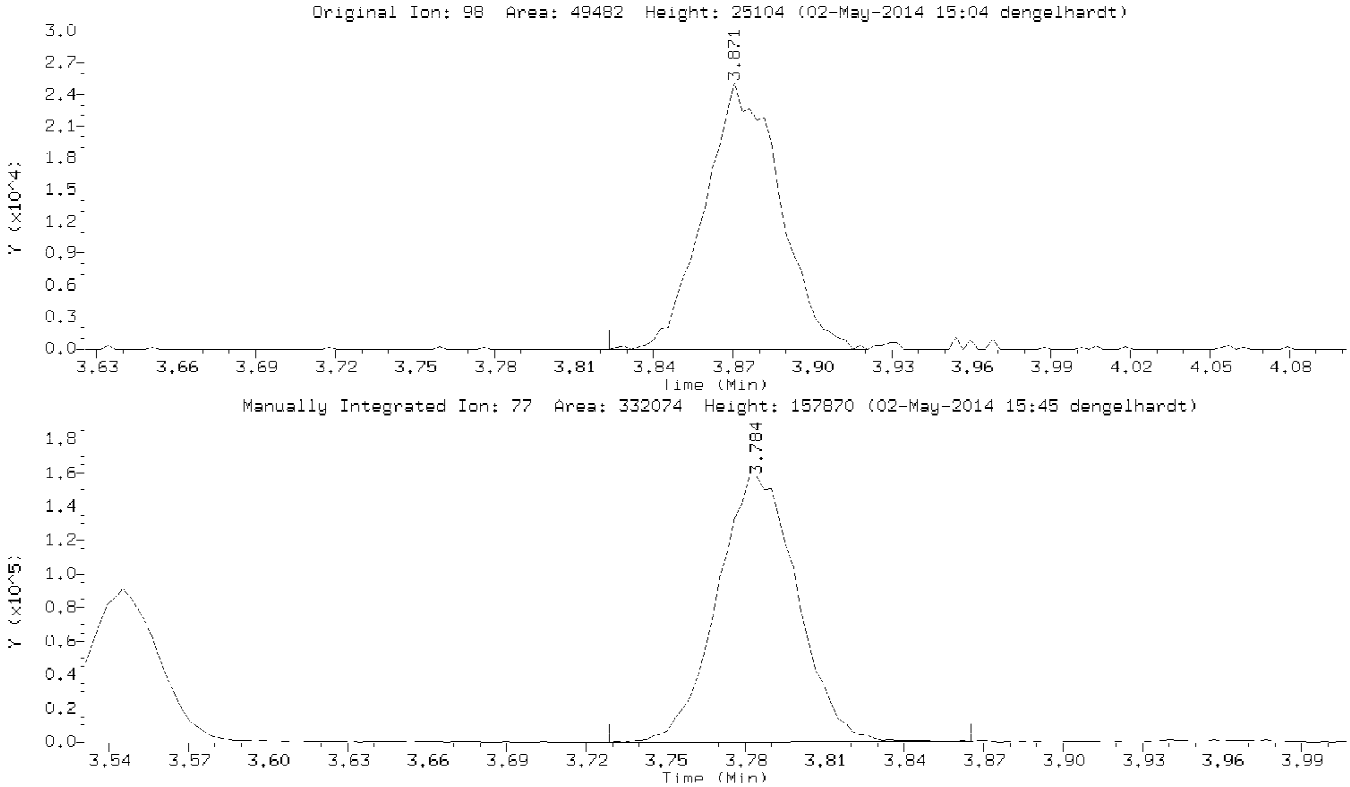
Original Ion: 64 Area: 3792 Height: 2666 (02-May-2014 15:04 dengelhardt)



Manually Integrated Ion: 52 Area: 242417 Height: 119726 (02-May-2014 15:45 dengelhardt)



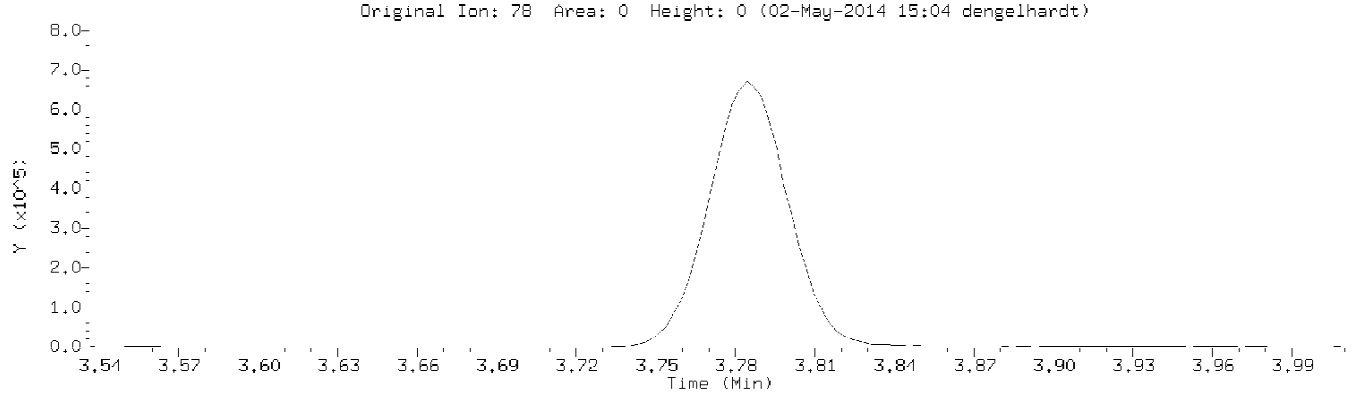
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b08cal7.d
Injection Date: 02-MAY-2014 14:46
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL7,65554:0



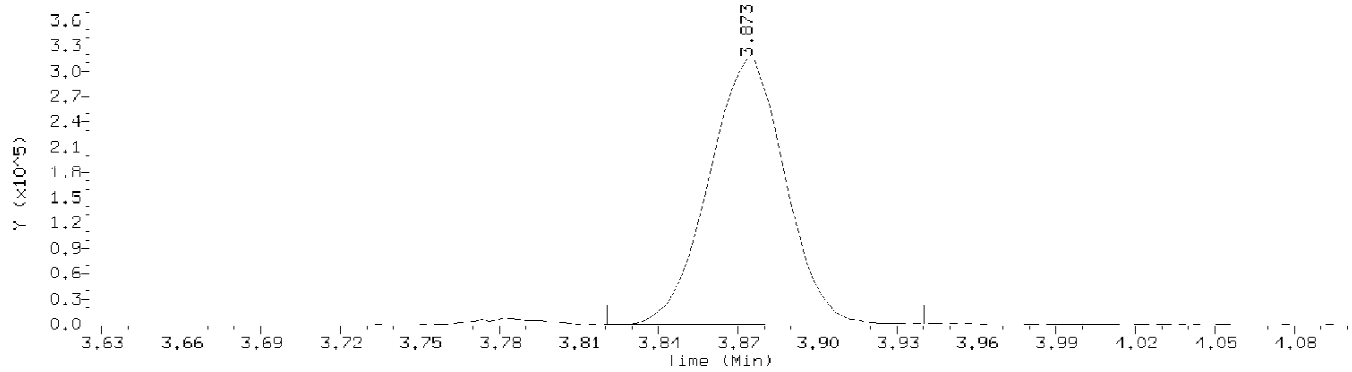
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b08cal7.d
Injection Date: 02-MAY-2014 14:46
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL7,65554:0

Compound: 1,2-Dichloroethane
CAS Number: 107-06-2

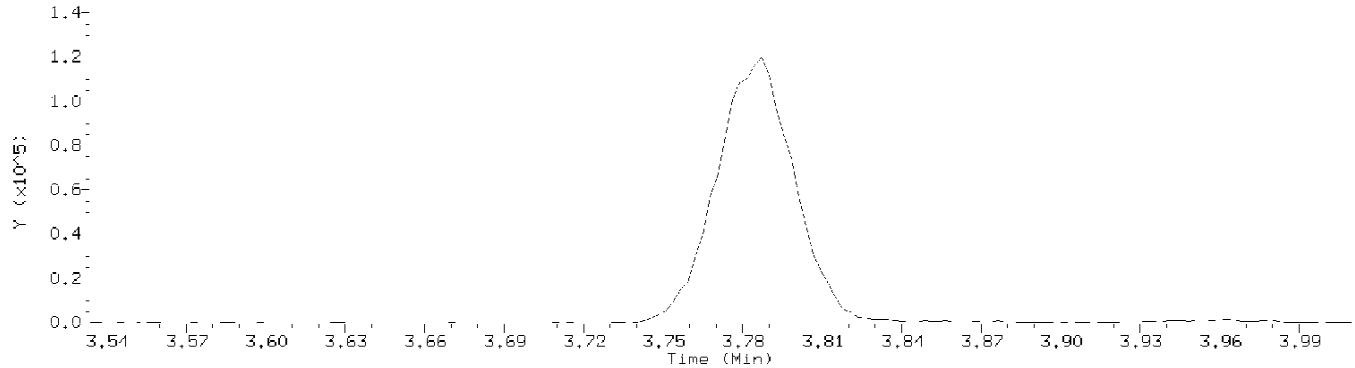
Original Ion: 78 Area: 0 Height: 0 (02-May-2014 15:04 dengelhardt)



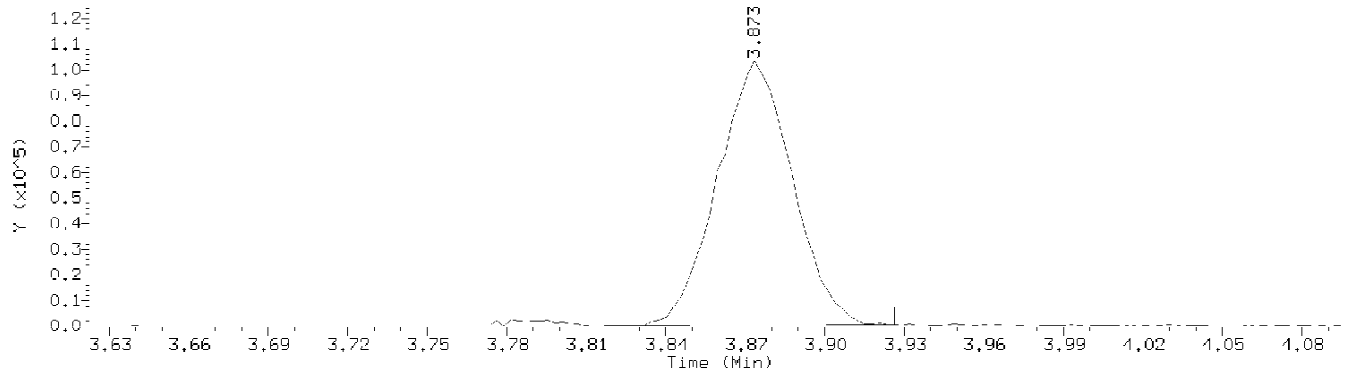
Manually Integrated Ion: 62 Area: 626344 Height: 314162 (02-May-2014 15:45 dengelhardt)



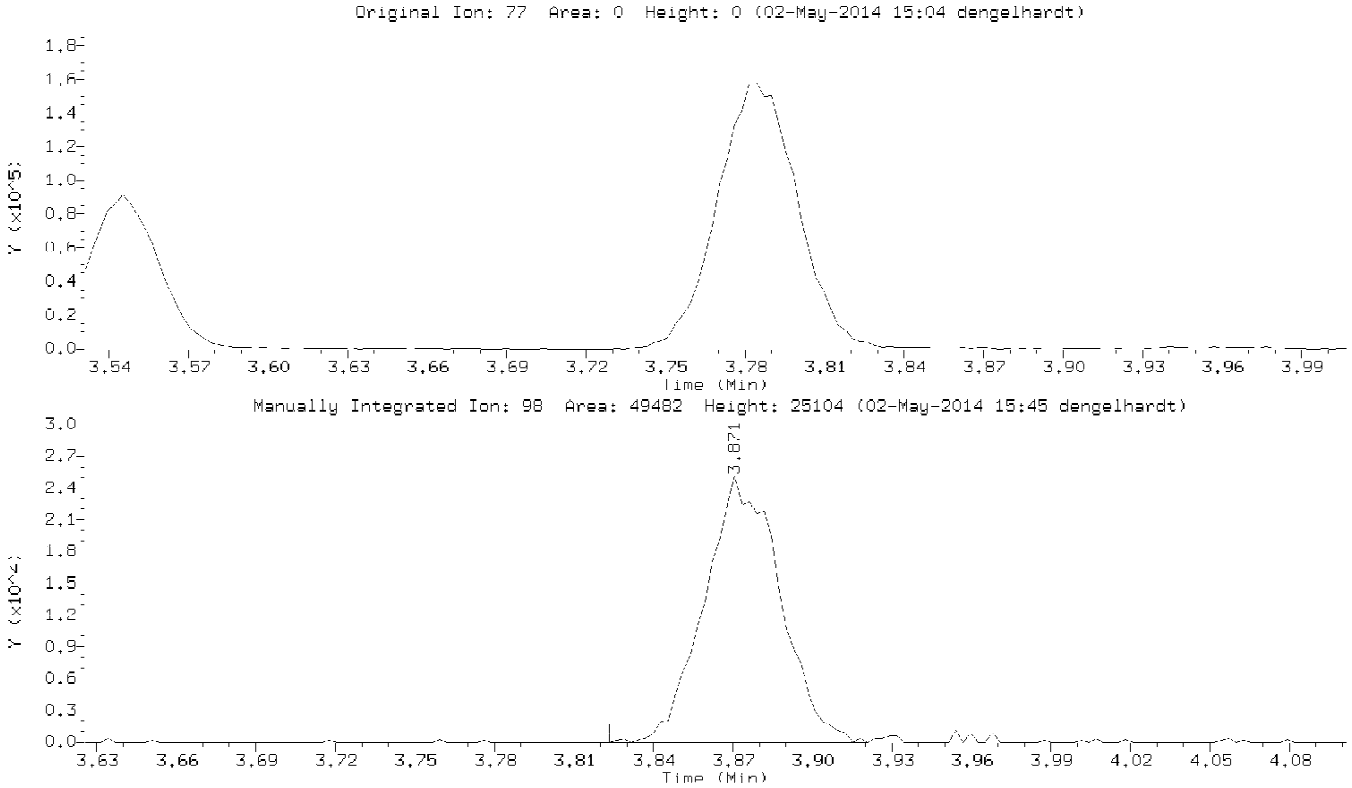
Original Ion: 52 Area: 0 Height: 0 (02-May-2014 15:04 dengelhardt)



Manually Integrated Ion: 64 Area: 201435 Height: 103129 (02-May-2014 15:45 dengelhardt)



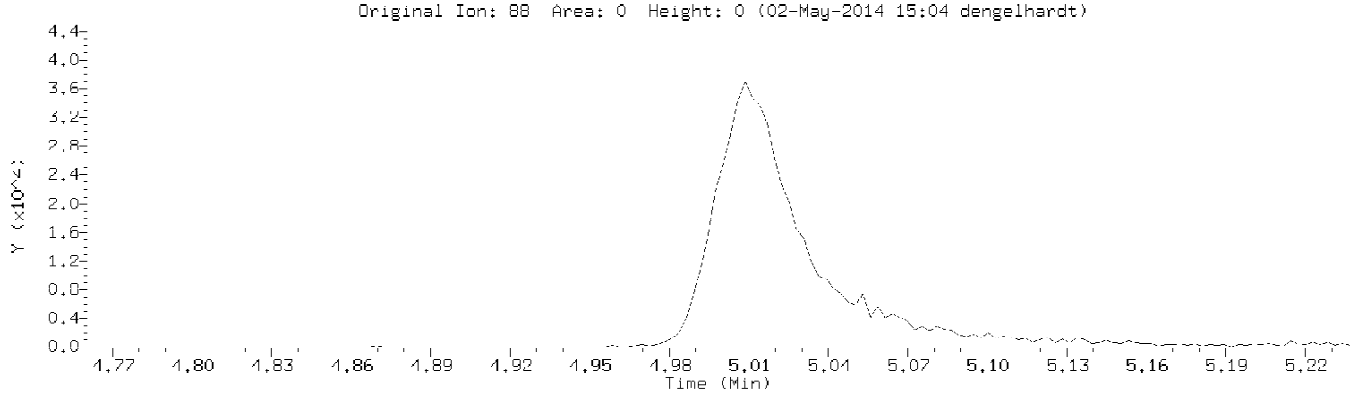
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b08cal7.d
Injection Date: 02-MAY-2014 14:46
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL7,65554:0



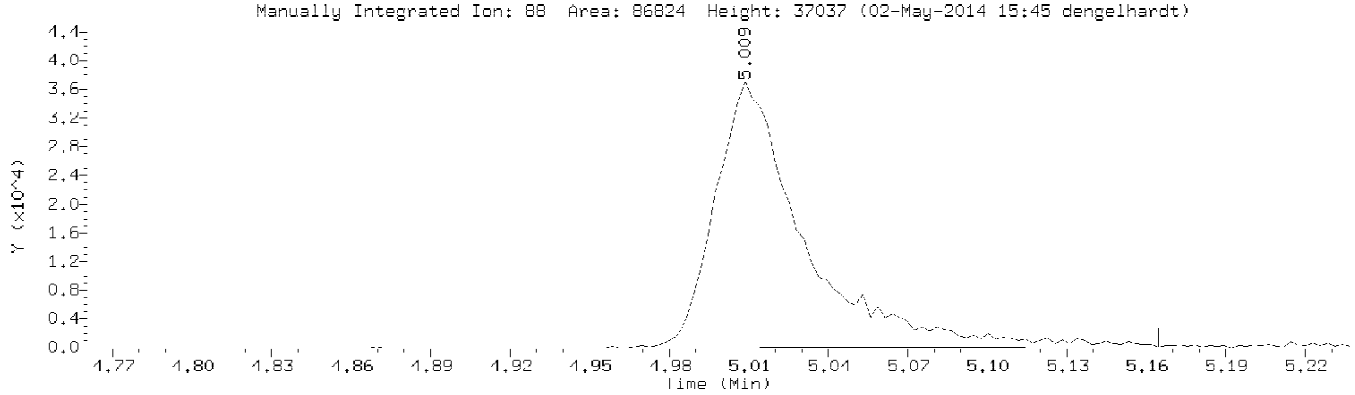
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b08cal7.d
Injection Date: 02-MAY-2014 14:46
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL7,65554:0

Compound: 1,4-Dioxane
CAS Number:

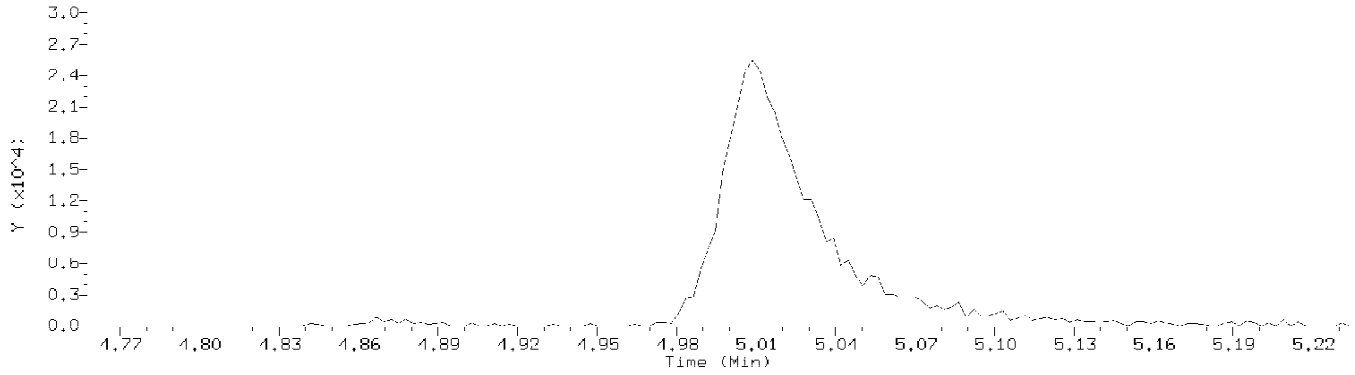
Original Ion: 88 Area: 0 Height: 0 (02-May-2014 15:04 dengelhardt)



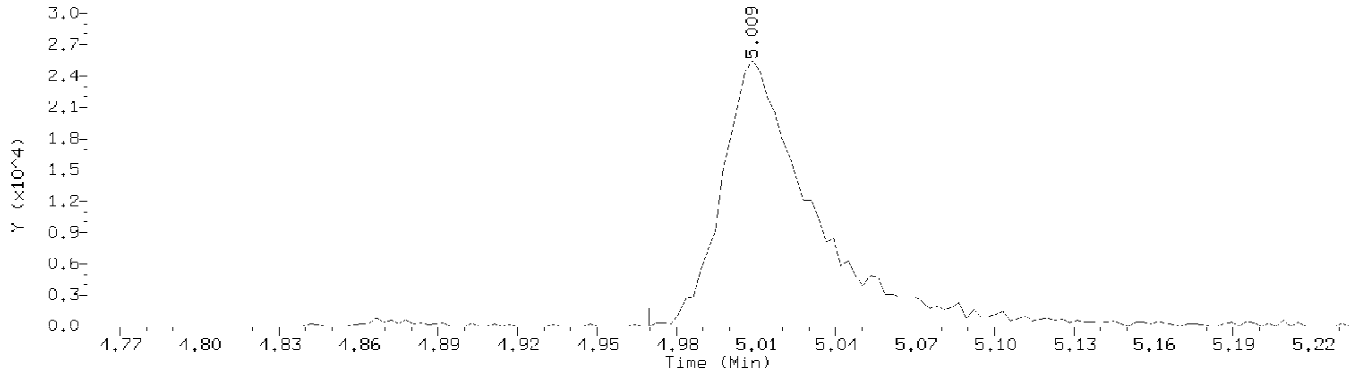
Manually Integrated Ion: 88 Area: 86824 Height: 37037 (02-May-2014 15:45 dengelhardt)



Original Ion: 58 Area: 0 Height: 0 (02-May-2014 15:04 dengelhardt)



Manually Integrated Ion: 58 Area: 62295 Height: 25496 (02-May-2014 15:45 dengelhardt)



Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b09cal8.d Page 1
Report Date: 05-May-2014 13:37

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b09cal8.d
Lab Smp Id: 8260-CAL8,65555:0 Client Smp ID: 8260-CAL8,65555:0
Inj Date : 02-MAY-2014 15:20
Operator : dac Inst ID: 50mv2b.i
Smp Info : 8260-cal8,65555:0
Misc Info : 64180
Comment :
Method : \\192.168.50.6\chem\50mv2b.i\b050214cal.b\-b8260_a_b.m
Meth Date : 05 May 2014 11:52 dengelhard Quant Type: ISTD
Cal Date : 15 APR 2014 22:38 Cal File: b09cal8.d
Als bottle: 60 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIC MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	REVIEW C
1	Dichlorodifluoromethane	85	0.968	0.971	(0.232)	913951	300.000	272(M)	NI
2	Chloromethane	50	1.077	1.077	(0.258)	670204	300.000	244	
3	Vinyl Chloride	62	1.096	1.099	(0.262)	710367	300.000	258	
4	Bromomethane	94	1.230	1.238	(0.294)	212825	300.000	241(M)	LT
5	Chloroethane	64	1.277	1.285	(0.306)	341337	300.000	168	
6	Trichlorofluoromethane	101	1.391	1.397	(0.333)	1080099	300.000	229(M)	NI
7	Diethyl ether	74	1.519	1.519	(0.364)	360426	300.000	250	
8	Acrolein	56	1.591	1.591	(0.381)	1565478	6000.00	4650	
9	1,1-Dichloroethene	96	1.641	1.647	(0.393)	549832	300.000	259	
10	1,1,2Trichlorotrifluoroethane	101	1.636	1.641	(0.392)	643162	300.000	259	
11	Acetone	43	1.661	1.658	(0.398)	909328	1500.00	1190	
12	Iodomethane	142	1.728	1.733	(0.413)	1185594	600.000	930(M)	NI
141	Acetonitrile	39	1.836	1.839	(0.439)	1233912	300.000	247	
13	Carbon Disulfide	76	1.772	1.778	(0.424)	3154721	600.000	558	
14	allyl chloride	41	1.836	1.839	(0.439)	1435892	600.000	491	
15	Methylene Chloride	84	1.909	1.914	(0.457)	575264	300.000	219(M)	NI
16	Acrylonitrile	53	2.056	2.048	(0.492)	4180281	6000.00	4860	
17	tert-Butyl Alcohol	59	1.964	1.956	(0.470)	1555976	600.000	620	
18	1,2-Dichloroethene (trans)	96	2.078	2.081	(0.497)	591099	300.000	255	
19	Methyl-tert-butyl ether	73	2.073	2.073	(0.496)	3641274	600.000	559	
20	n-Hexane	57	2.256	2.262	(0.540)	958092	300.000	276	
138	Methyl Acetate	43	1.825	1.822	(0.437)	485360	300.000	251	
21	1,1-Dichloroethane	63	2.382	2.384	(0.570)	1284541	300.000	257	

Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b09cal8.d Page 2
Report Date: 05-May-2014 13:37

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL AMT (ppb)	AMOUNTS ON COL (ppb)	REVIEW C
	23 Vinyl Acetate	43	2.376	2.373	(0.569)	5463004	1200.00	1240	
	143 Chloroprene	53	2.434	2.437	(0.583)	1307057	300.000	284	
	24 2,2-Dichloropropane	77	2.854	2.857	(0.683)	964054	300.000	316	
	25 1,2-Dichloroethene (cis)	96	2.846	2.852	(0.681)	788083	300.000	252(M)	NI
	26 2-Butanone	43	2.843	2.838	(0.680)	1626880	1500.00	1340	
	27 Propionitrile	54	2.902	2.893	(0.694)	137523	300.000	334	
	142 Methacrylonitrile	41	3.046	3.041	(0.729)	461003	1200.00	1080	
	28 1,2-dichlorotrifluoroethane	67	1.536	1.538	(0.368)	771589	300.000	263(M)	WP
	29 Bromochloromethane	49	3.077	3.080	(0.736)	534051	300.000	234	
	30 Tetrahydrofuran	42	3.099	3.094	(0.742)	201876	300.000	135	
	31 Chloroform	83	3.186	3.188	(0.762)	1425868	300.000	261	
$	32 Dibromofluoromethane (S)	113	3.358	3.361	(0.804)	107002	50.0000	45.7	
	33 1,1,1-Trichloroethane	97	3.358	3.361	(0.804)	1396262	300.000	311	
	34 cyclohexane	56	3.436	3.436	(0.822)	1290887	300.000	280	
	35 Carbon Tetrachloride	117	3.533	3.536	(0.846)	1186225	300.000	346(M)	WP
	36 1,1-Dichloropropene	75	3.544	3.547	(0.848)	1128489	300.000	296	
	37 Isobutyl alcohol	43	3.956	3.951	(0.947)	376564	300.000	329	
	38 Benzene	78	3.784	3.787	(0.905)	2776105	300.000	273(M)	NI
	39 1,2-Dichloroethane	62	3.870	3.876	(0.926)	1251809	300.000	275	
	144 2,2,4-Trimethylpentane	57	3.953	3.956	(0.946)	2220755	300.000	290	
*	40 Fluorobenzene	96	4.179	4.179	(1.000)	404299	50.0000		
	41 Trichloroethene	95	4.618	4.618	(1.105)	826195	300.000	282	
	139 Methylcyclohexane	55	4.874	4.874	(1.166)	1008915	300.000	322	
	42 1,2-Dichloropropane	63	4.919	4.919	(1.177)	725874	300.000	297	
	43 Dibromomethane	93	5.005	5.005	(1.198)	472588	300.000	275	
	140 1,4-Dioxane	88	5.008	5.011	(1.198)	173198	300.000	344(M)	NI
	44 Methyl methacrylate	69	5.025	5.027	(1.202)	504635	300.000	312	
	45 Bromodichloromethane	83	5.222	5.222	(1.250)	1071859	300.000	342	
	46 2-Chloroethyl vinyl ether	63	5.559	5.556	(0.767)	624367	1200.00	1330	
	47 cis 1,3 Dichloropropene	75	5.690	5.687	(0.785)	1219232	300.000	395	
	48 4 Methyl 2 Pentanone	43	5.862	5.857	(0.809)	3133512	1500.00	1520	
$	49 Toluene d8	98	5.946	5.948	(0.820)	394564	50.0000	51.2	
	50 Toluene	91	6.018	6.015	(0.830)	3111680	300.000	285	
	51 trans-1,3-Dichloropropene	75	6.285	6.285	(0.867)	1091454	300.000	472	
	52 Ethyl Methacrylate	69	6.368	6.368	(0.878)	903835	300.000	324	
	53 1,1,2-Trichloroethane	83	6.469	6.466	(0.892)	512267	300.000	299	
	54 Tetrachloroethene	166	6.513	6.513	(0.898)	879673	300.000	296	
	55 1,3-Dichloropropane	76	6.608	6.608	(0.911)	1171440	300.000	316	
	56 2-Hexanone	43	6.683	6.677	(0.922)	2231764	1500.00	1540	
	57 Dibromochloromethane	129	6.791	6.789	(0.937)	797224	300.000	434	
	58 1,2-Dibromoethane	107	6.875	6.875	(0.948)	713331	300.000	330	
*	59 Chlorobenzene-d5	117	7.250	7.250	(1.000)	309343	50.0000		
	60 Chlorobenzene	112	7.275	7.273	(1.003)	2070702	300.000	285	
	61 1,1,1,2-Tetrachloroethane	131	7.356	7.353	(1.015)	799845	300.000	376	
	62 Ethylbenzene	106	7.362	7.362	(1.015)	1132128	300.000	280	
	63 m&p-Xylene	106	7.467	7.465	(1.030)	2753628	600.000	552	
	65 o-Xylene	106	7.735	7.732	(1.067)	1324767	300.000	287	
	66 Styrene	104	7.751	7.751	(1.069)	2276060	300.000	304	
	67 Bromoform	173	7.871	7.868	(0.892)	504358	300.000	497	
	68 Isopropylbenzene	105	7.991	7.991	(1.102)	3706943	300.000	312	
	69 trans-1,4-Dichloro-2-butene	53	8.230	8.230	(1.135)	276878	300.000	507(Q)	
$	70 4-Bromofluorobenzene	95	8.105	8.102	(1.118)	170440	50.0000	51.2	
	71 Bromobenzene	77	8.185	8.185	(1.129)	1348107	300.000	288	
	72 1,1,2,2-Tetrachloroethane	83	8.208	8.205	(0.930)	799126	300.000	310	

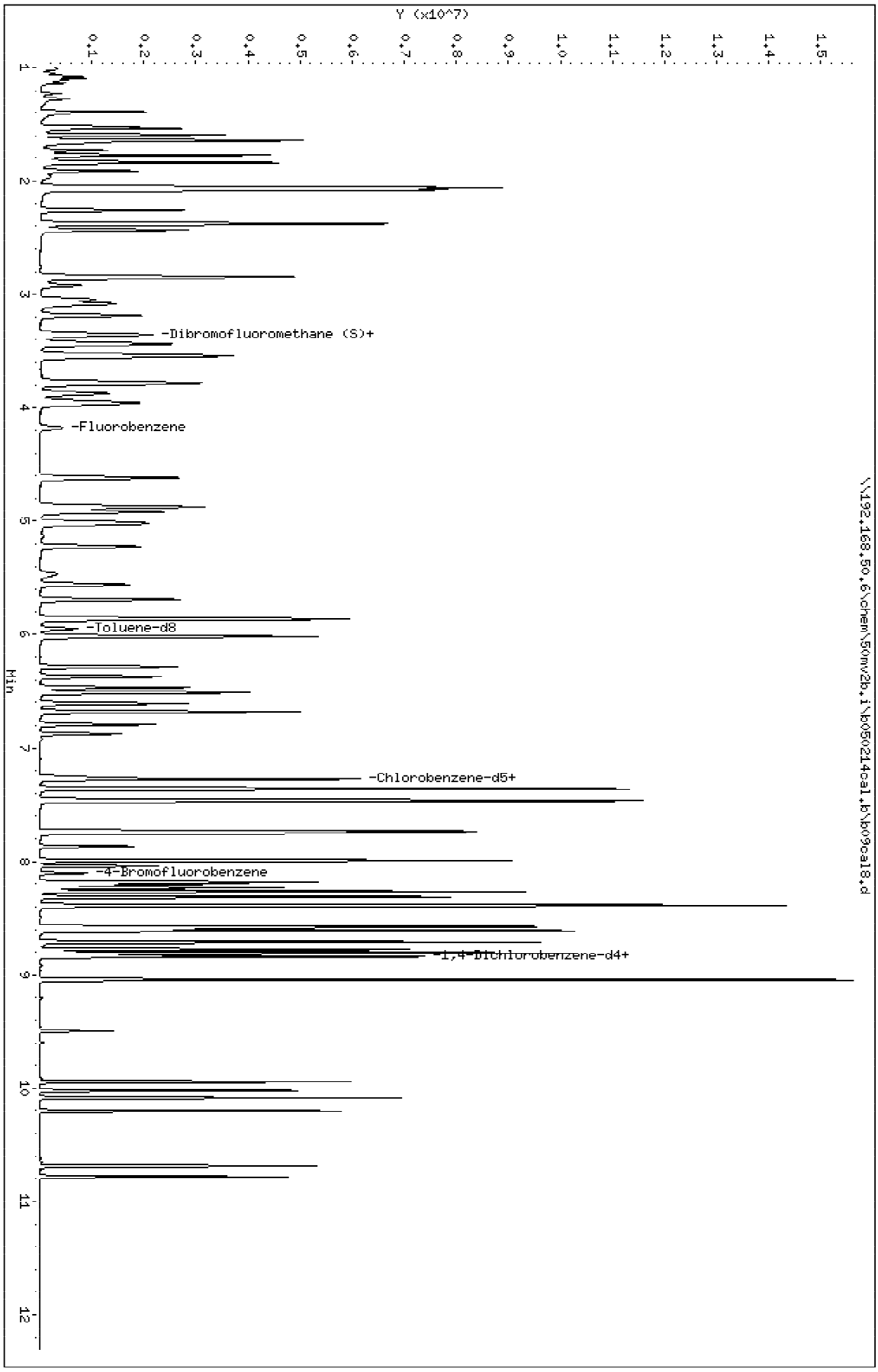
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL AMT (ppb)	AMOUNTS ON COL (ppb)	REVIEW C
73	1,2,3-Trichloropropane	110	8.235	8.235	(0.933)	308721	300.000	288	
74	n-Propylbenzene	91	8.266	8.263	(0.937)	4272481	300.000	310	
75	2-ChloroToluene	91	8.313	8.310	(0.942)	2565546	300.000	284	
76	4-ChloroToluene	126	8.394	8.391	(0.951)	829250	300.000	268	
77	1,3,5-TrimeThylbenzene	105	8.386	8.383	(0.950)	3210215	300.000	309	
78	tert-Butylbenzene	119	8.578	8.575	(0.972)	3493657	300.000	329	
79	1,2,4-TrimeThylbenzene	105	8.614	8.611	(0.976)	3343494	300.000	317	
80	sec-Butylbenzene	105	8.711	8.711	(0.987)	3821085	300.000	316	
81	1,3-Dichlorobenzene	146	8.778	8.775	(0.995)	1583765	300.000	286	
* 82	1,4-Dichlorobenzene-d4	152	8.825	8.825	(1.000)	166230	50.0000	(Q)	
83	p-Isopropyltoluene	119	8.808	8.806	(0.998)	3498131	300.000	325	
84	1,4-Dichlorobenzene	146	8.842	8.839	(1.002)	1608177	300.000	280	
85	1,2-Dichlorobenzene	146	9.045	9.045	(1.025)	1389953	300.000	277	
86	n-Butylbenzene	91	9.045	9.042	(1.025)	2843258	300.000	328	
87	1,2-Dibromo-3-chloropropane	155	9.496	9.496	(1.076)	158949	300.000	450	
88	1,2,4-Trichlorobenzene	180	9.944	9.944	(1.127)	975808	300.000	374	
89	Hexachlorobutadiene	225	10.022	10.022	(1.136)	557341	300.000	324	
90	Naphthalene	128	10.086	10.086	(1.143)	2885944	300.000	476	
91	1,2,3-Trichlorobenzene	180	10.202	10.202	(1.156)	935005	300.000	384	
92	2,methyl-naphthalene	142	10.689	10.687	(1.211)	1363220	300.000	964	
145	1-Methylnaphthalene	142	10.781	10.781	(1.222)	1177963	300.000	675	

QC Flag Legend

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

Review Codes Legend

NI: Indicates that the peak was not integrated at all by the computer software.
:
LT: Indicates that the peak in question was inappropriately integrated to an area less than what it should be (e.g., Peak area was cut).
WP: Indicates that the wrong peak was chosen by the data system.



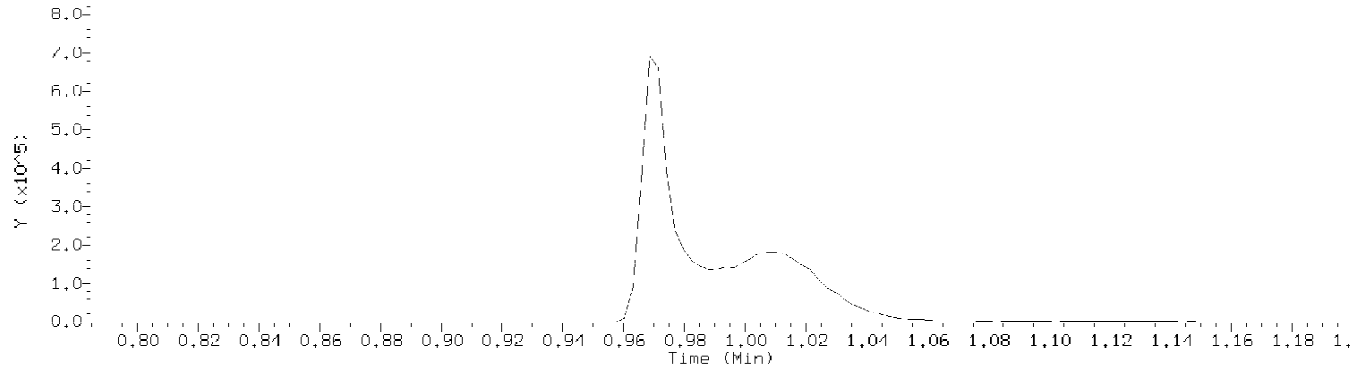
Data File: \\192.168.50.6\chem\50mv2b.i\b05\0214cal.b\b09cal8.d
Date : 02-MAY-2014 15:20
Client ID: 8260-CAL8,65555:0
Sample Info: 8260-CAL8,65555:0
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mv2b.i
Operator: dae
Column diameter: 0.18

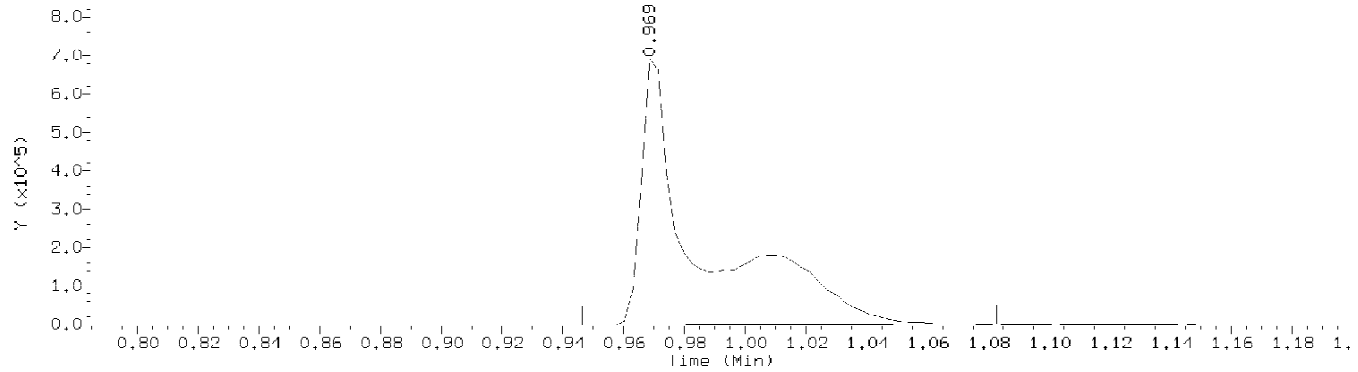
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b09cal8.d
Injection Date: 02-MAY-2014 15:20
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL8,65555:0

Compound: Dichlorodifluoromethane
CAS Number: 107-06-2

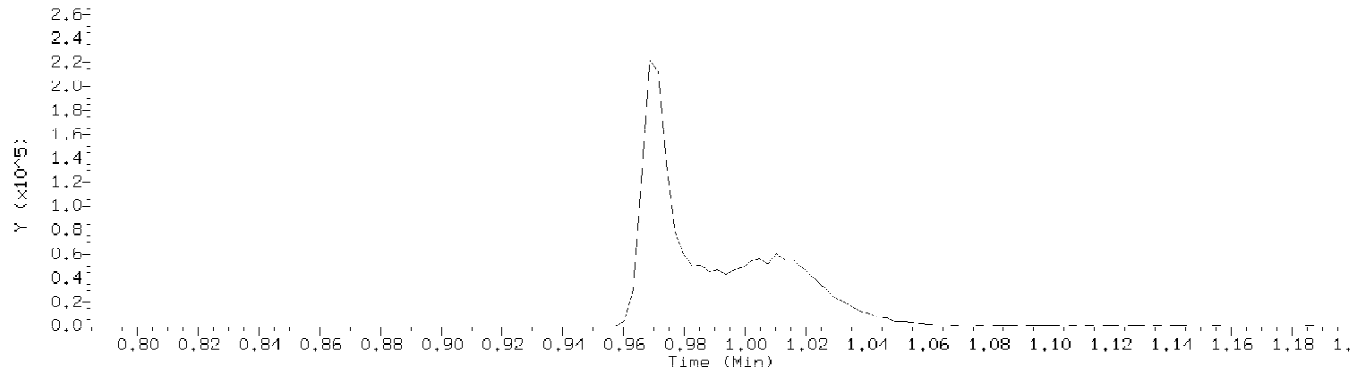
Original Ion: 85 Area: 0 Height: 0 (02-May-2014 15:42 dengelhardt)



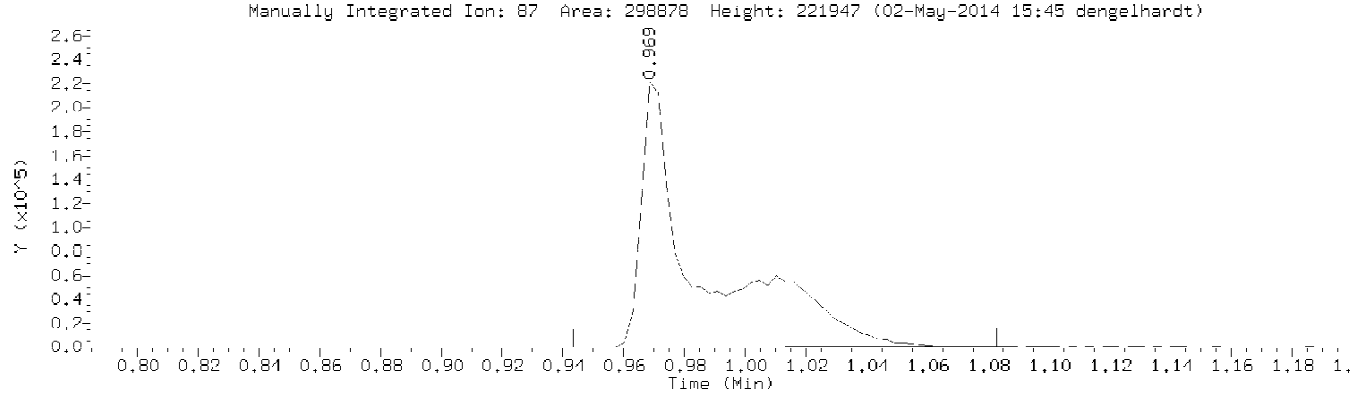
Manually Integrated Ion: 85 Area: 913951 Height: 691315 (02-May-2014 15:45 dengelhardt)



Original Ion: 87 Area: 0 Height: 0 (02-May-2014 15:42 dengelhardt)



Manually Integrated Ion: 87 Area: 298878 Height: 221947 (02-May-2014 15:45 dengelhardt)



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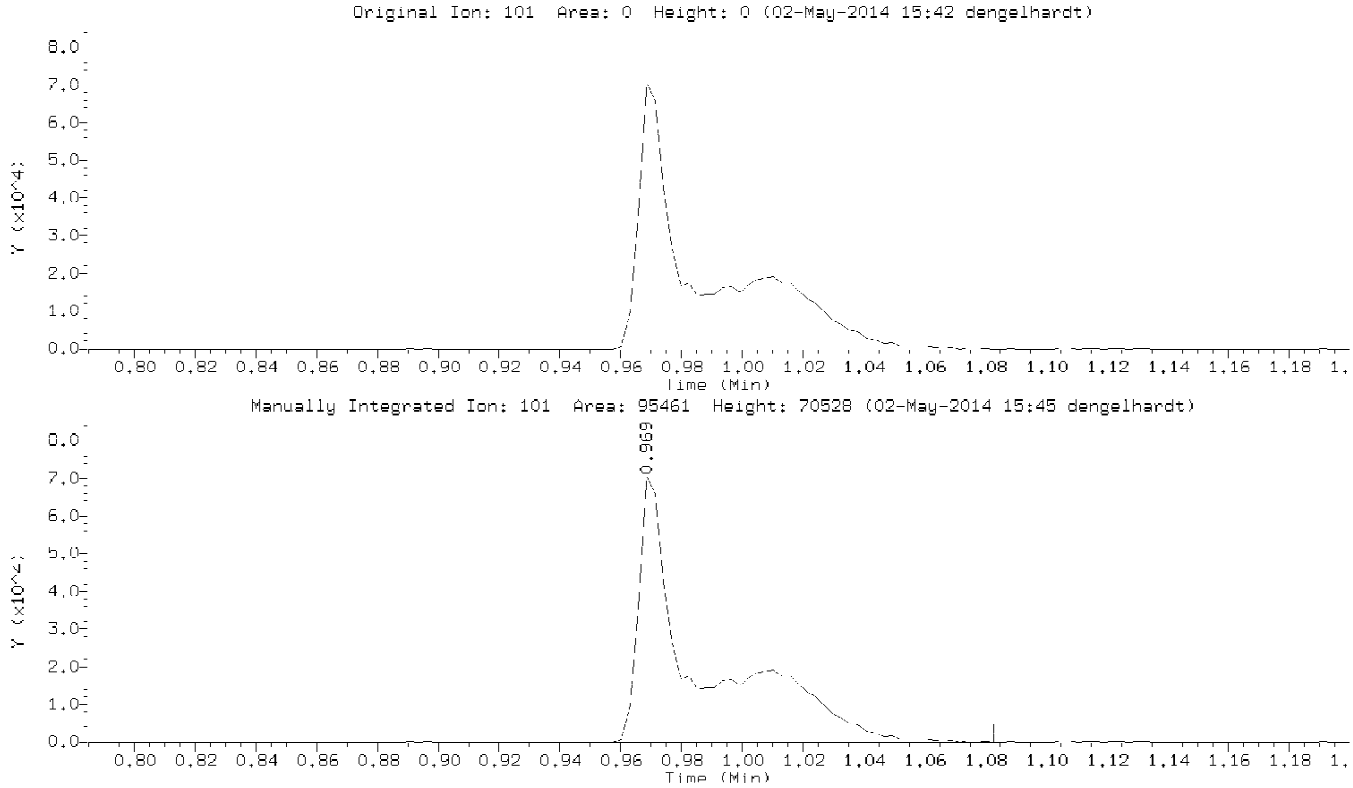
Injection Date: 02-MAY-2014 15:20
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL8,65555:0



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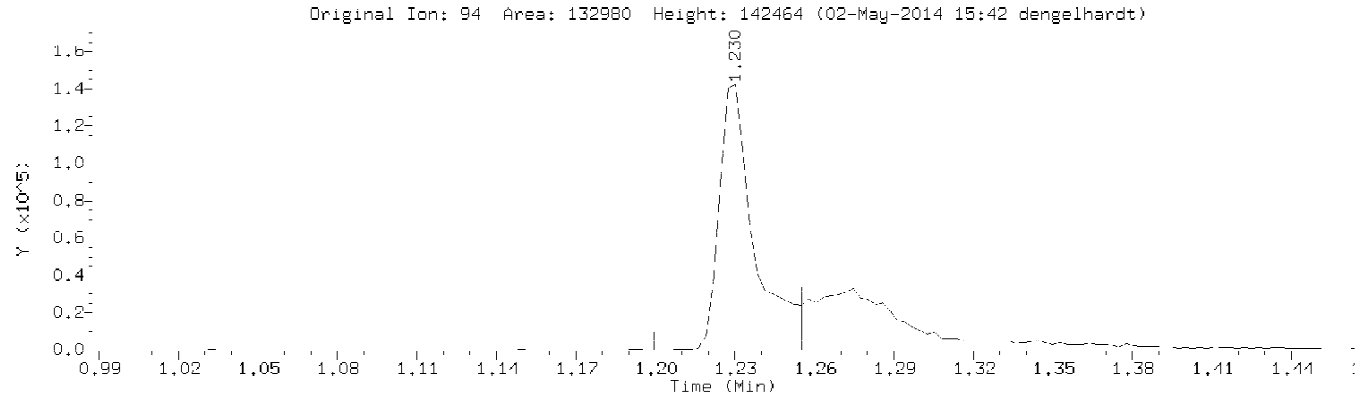
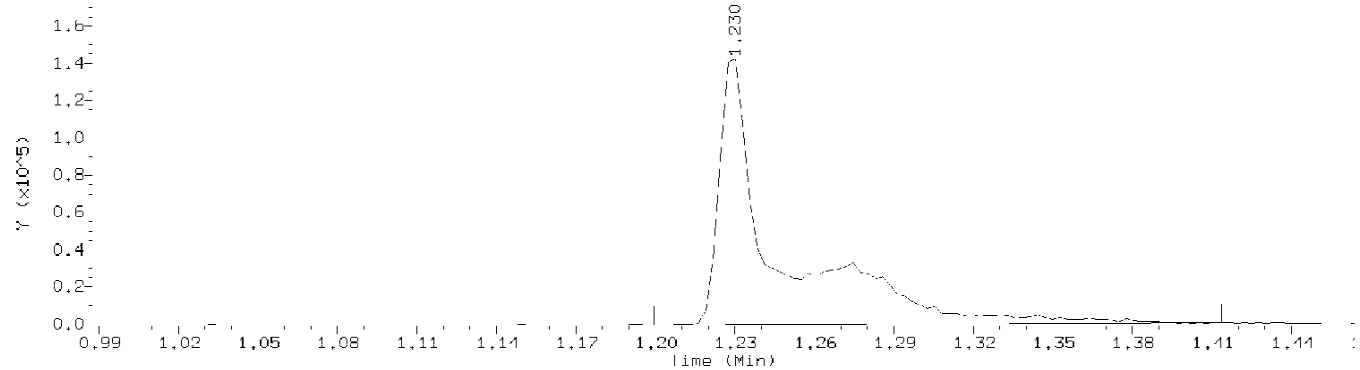
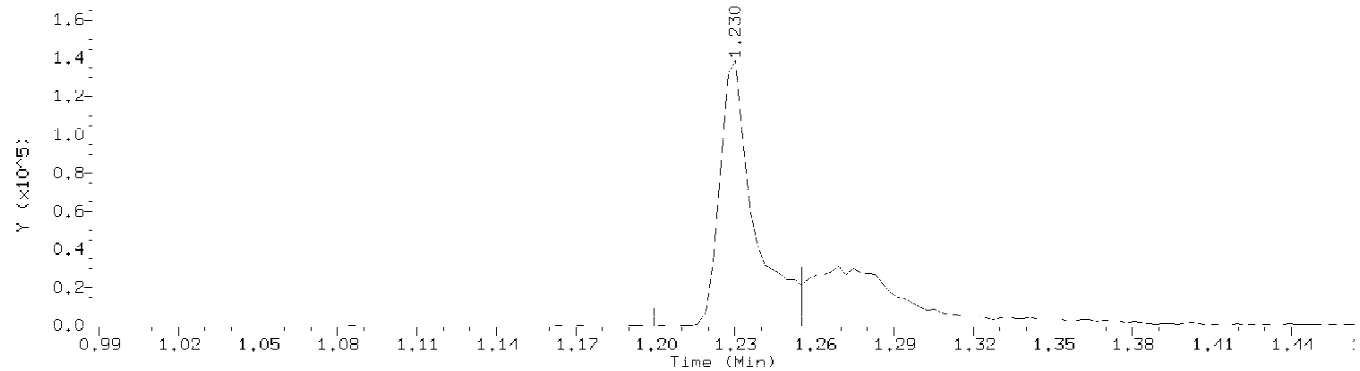
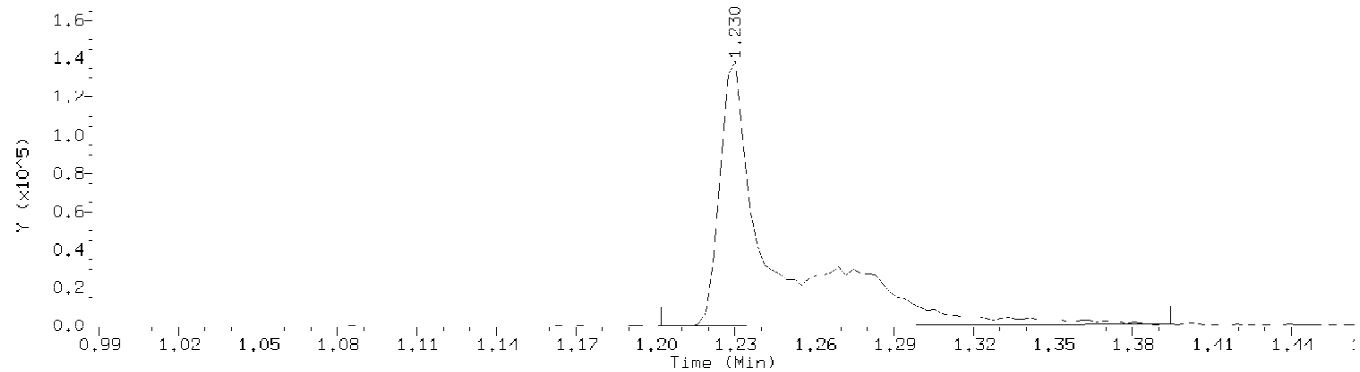
Injection Date: 02-MAY-2014 15:20
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL8,65555:0

Compound: Bromomethane
CAS Number: 74-83-9





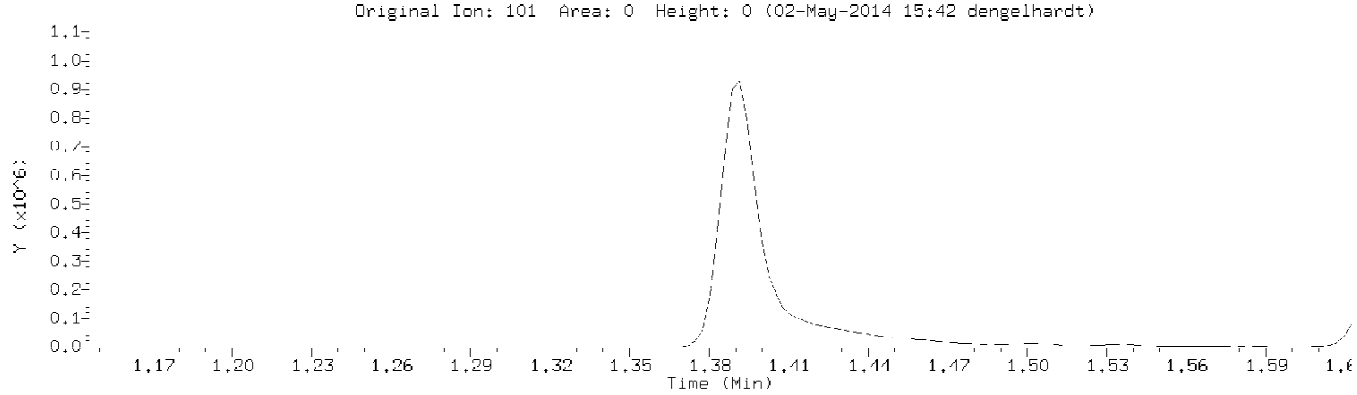




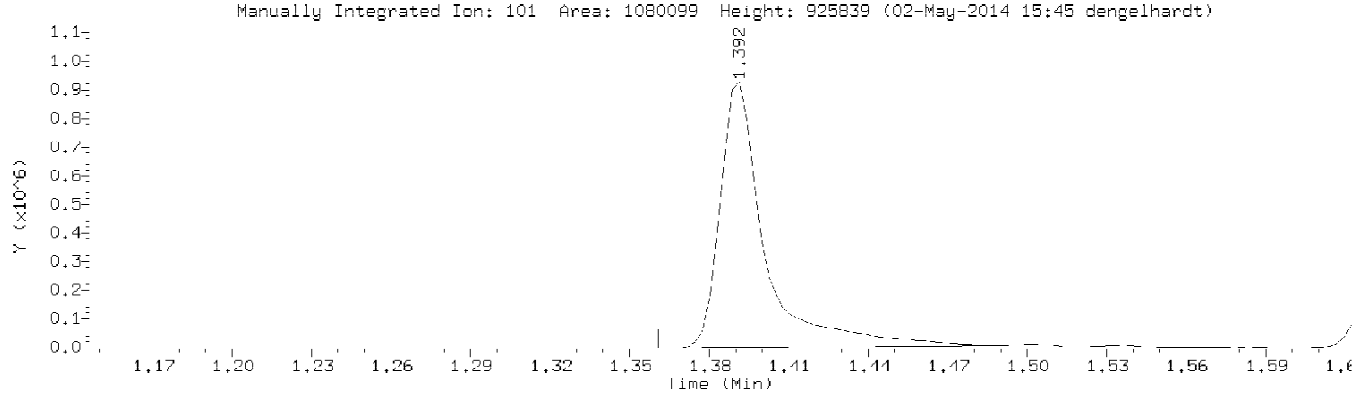
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b09cal8.d
Injection Date: 02-MAY-2014 15:20
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL8,65555:0

Compound: Trichlorofluoromethane
CAS Number: 75-69-4

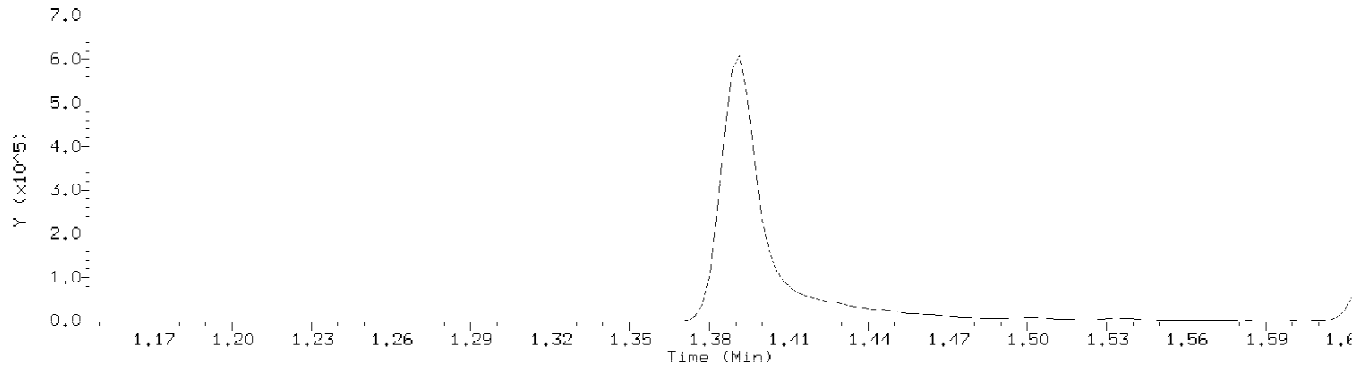
Original Ion: 101 Area: 0 Height: 0 (02-May-2014 15:42 dengelhardt)



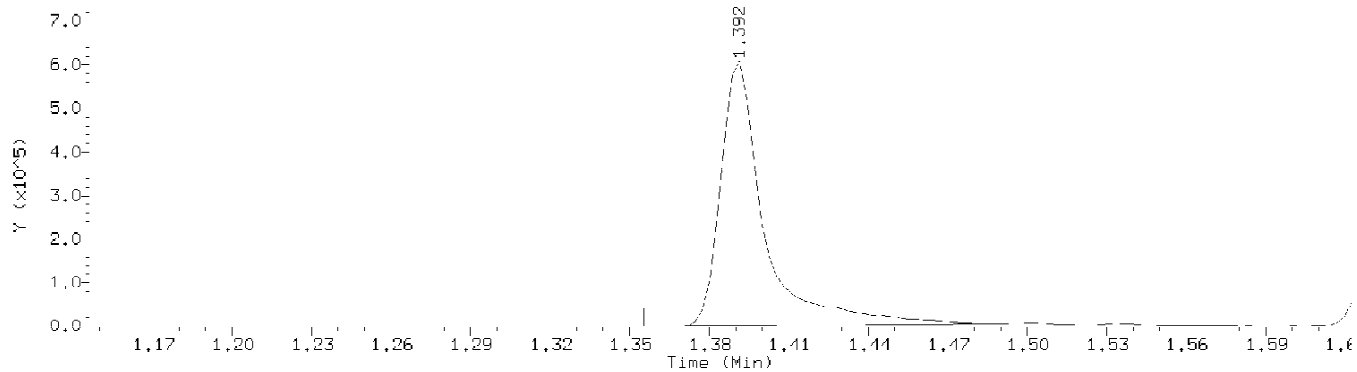
Manually Integrated Ion: 101 Area: 1080099 Height: 925839 (02-May-2014 15:45 dengelhardt)



Original Ion: 103 Area: 0 Height: 0 (02-May-2014 15:42 dengelhardt)



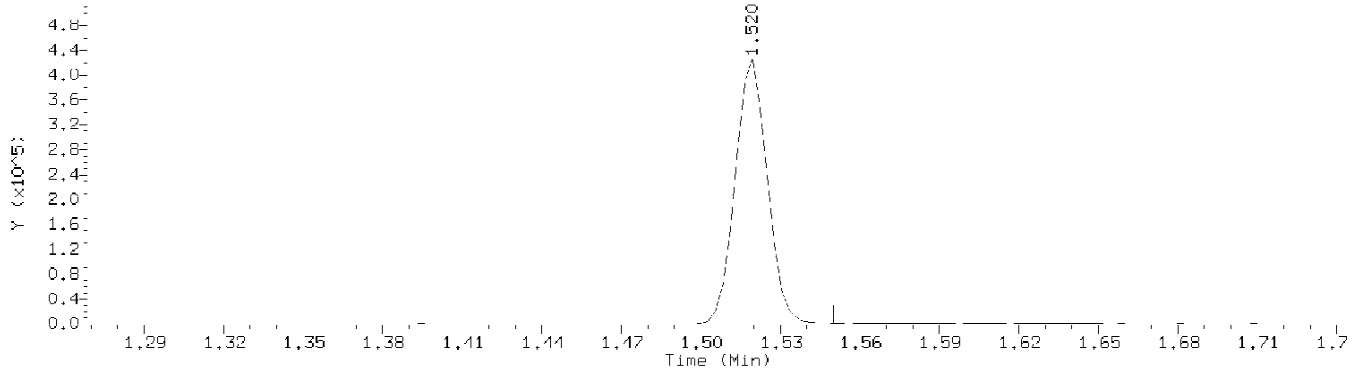
Manually Integrated Ion: 103 Area: 696633 Height: 608318 (02-May-2014 15:45 dengelhardt)



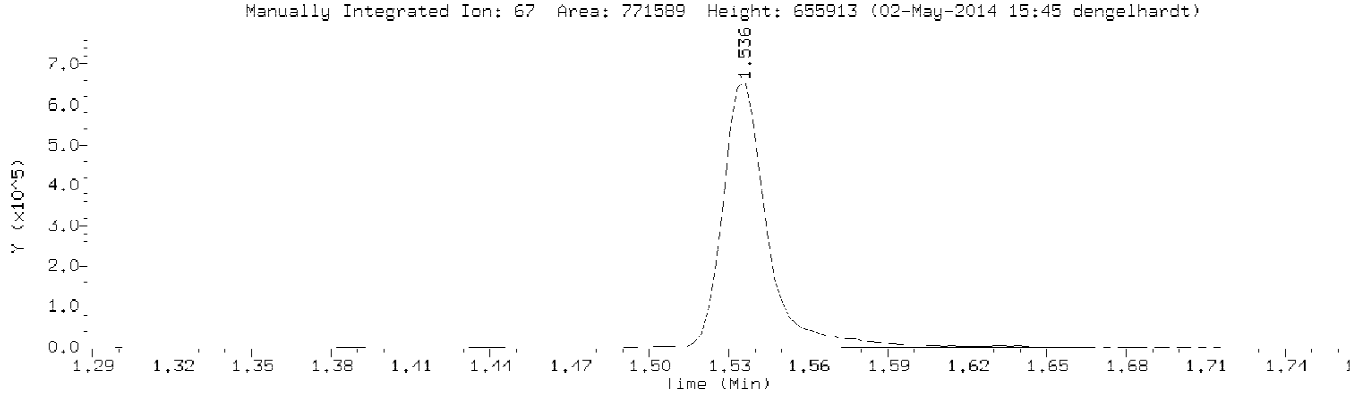
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b09cal8.d
Injection Date: 02-MAY-2014 15:20
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL8,65555:0

Compound: 1,2-dichlorotrifluoroethane
CAS Number: 354-23-4

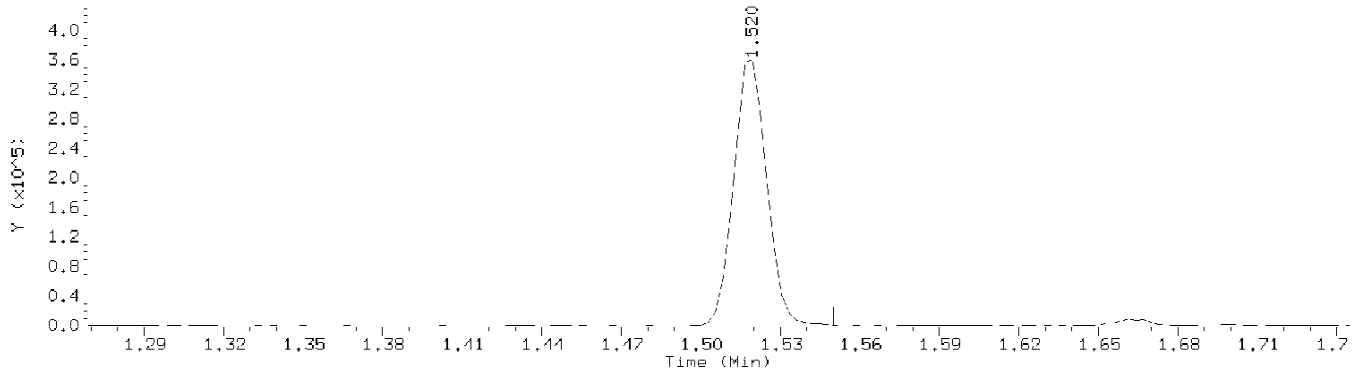
Original Ion: 74 Area: 360426 Height: 427200 (02-May-2014 15:42 dengelhardt)



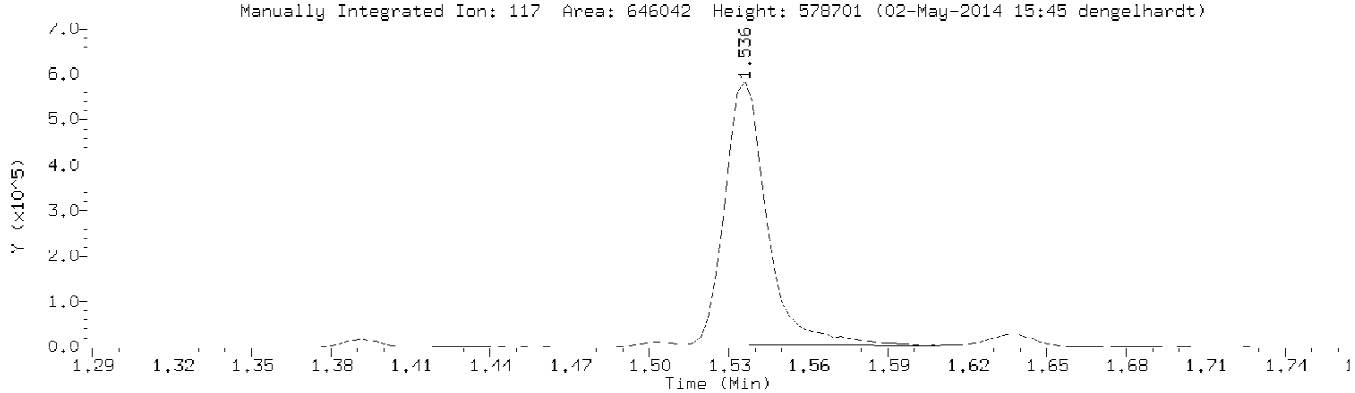
Manually Integrated Ion: 67 Area: 771589 Height: 655913 (02-May-2014 15:45 dengelhardt)



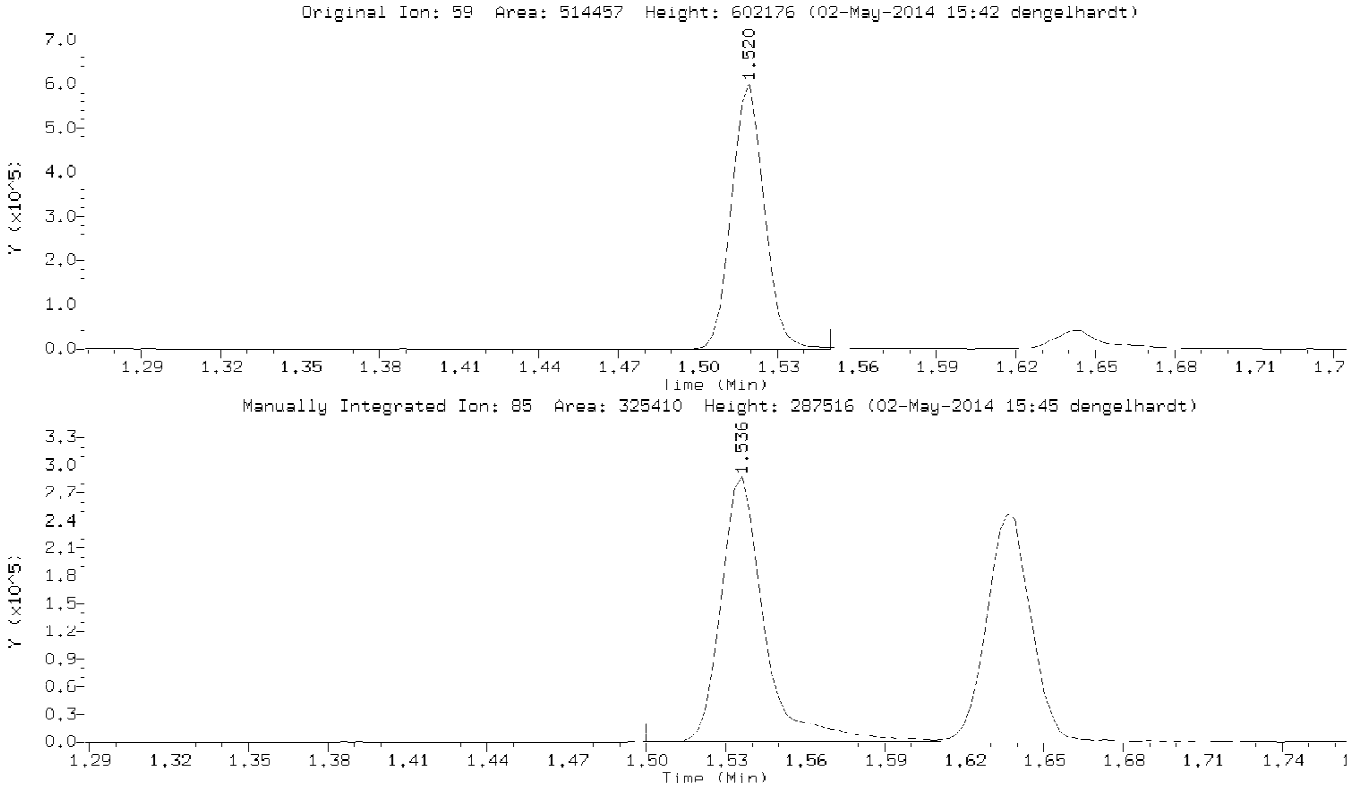
Original Ion: 45 Area: 313935 Height: 359852 (02-May-2014 15:42 dengelhardt)



Manually Integrated Ion: 117 Area: 646042 Height: 578701 (02-May-2014 15:45 dengelhardt)



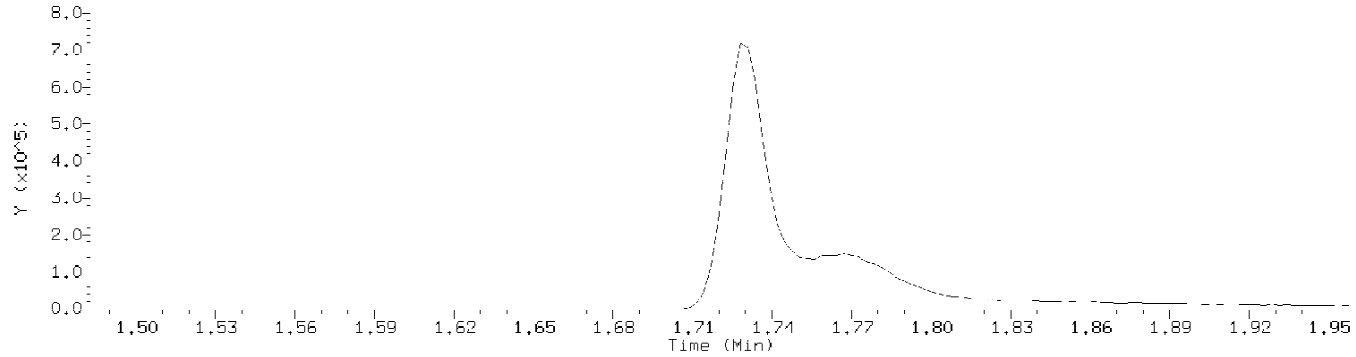
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b09cal8.d
Injection Date: 02-MAY-2014 15:20
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL8,65555:0



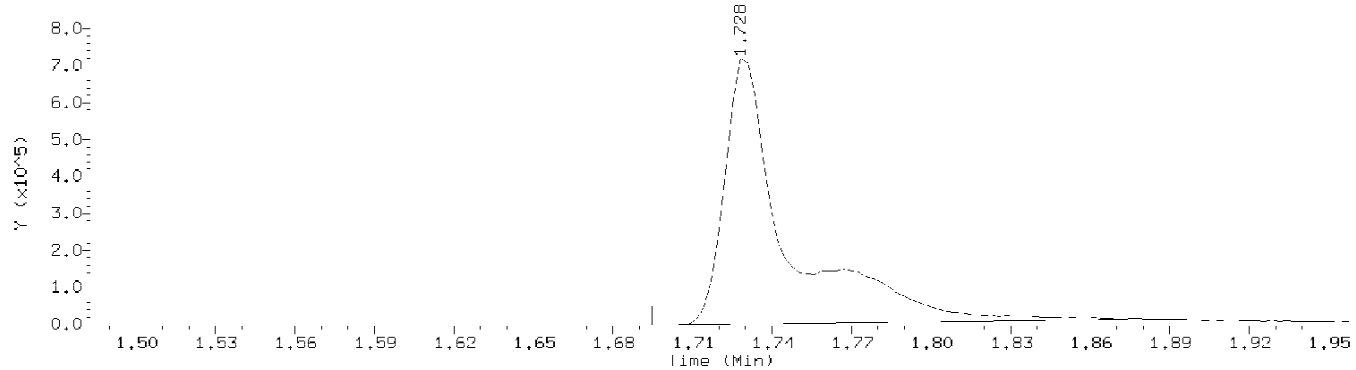
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b09cal8.d
Injection Date: 02-MAY-2014 15:20
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL8,65555:0

Compound: Iodomethane
CAS Number:

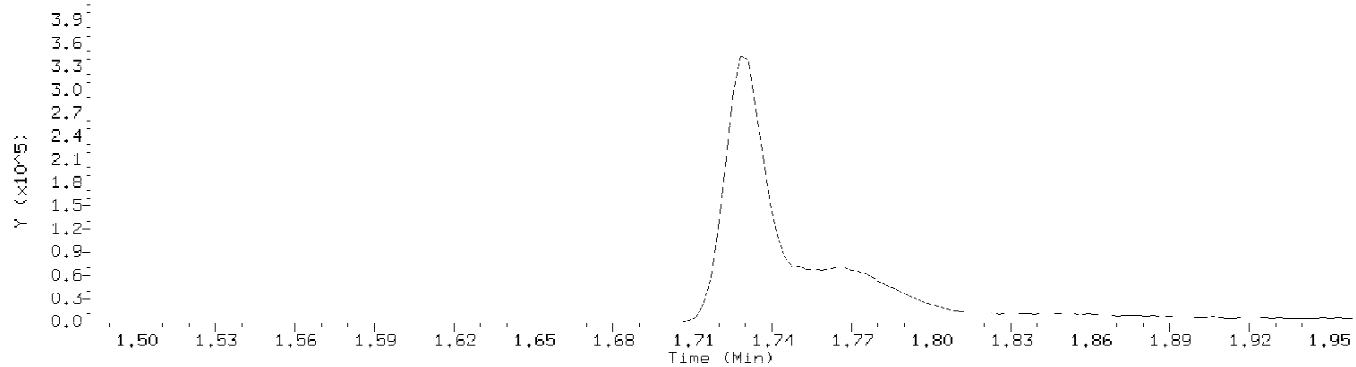
Original Ion: 142 Area: 0 Height: 0 (02-May-2014 15:42 dengelhardt)



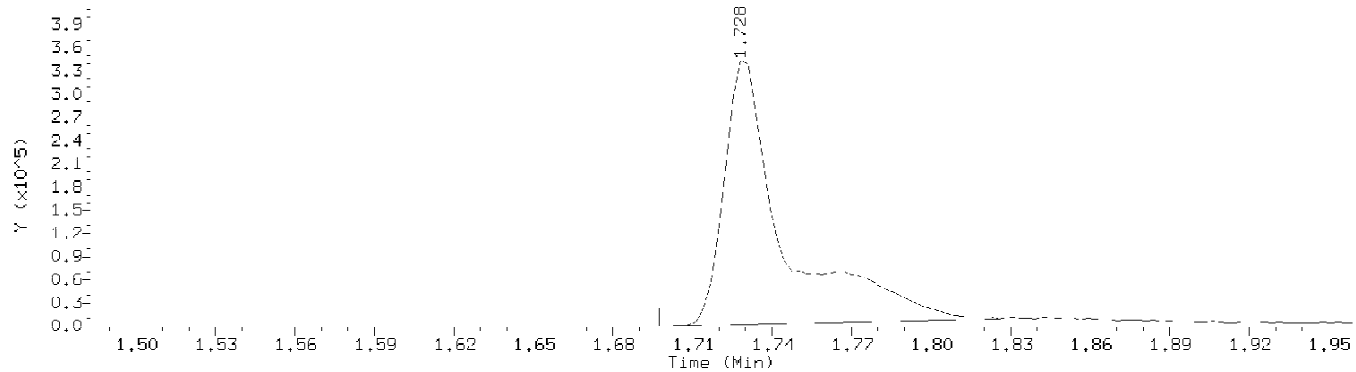
Manually Integrated Ion: 142 Area: 1185594 Height: 715990 (02-May-2014 15:45 dengelhardt)



Original Ion: 127 Area: 0 Height: 0 (02-May-2014 15:42 dengelhardt)



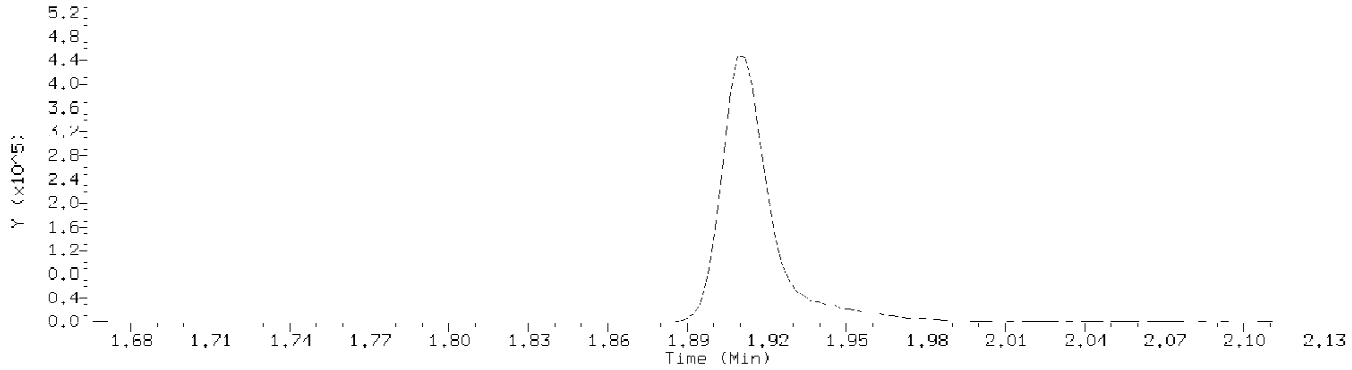
Manually Integrated Ion: 127 Area: 542270 Height: 341524 (02-May-2014 15:45 dengelhardt)



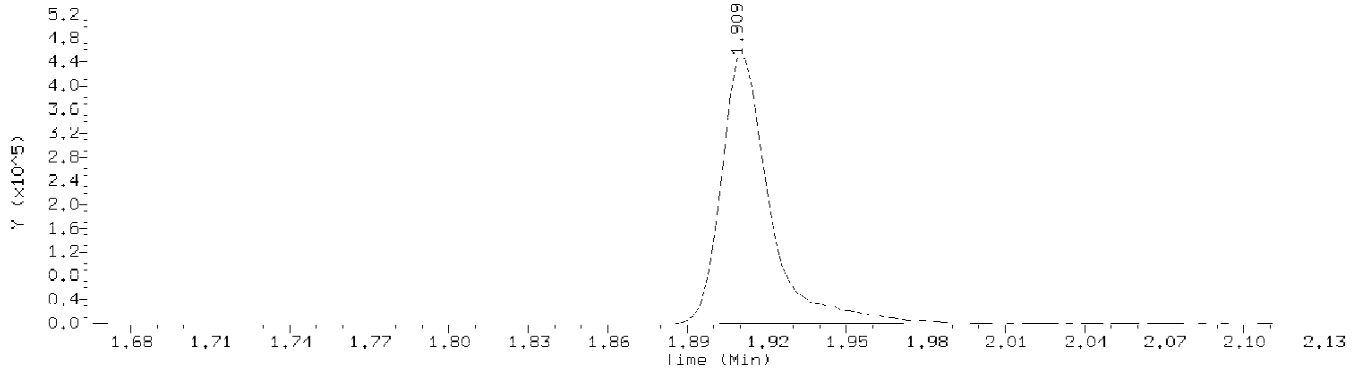
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b09cal8.d
Injection Date: 02-MAY-2014 15:20
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL8,65555:0

Compound: Methylene Chloride
CAS Number: 75-09-2

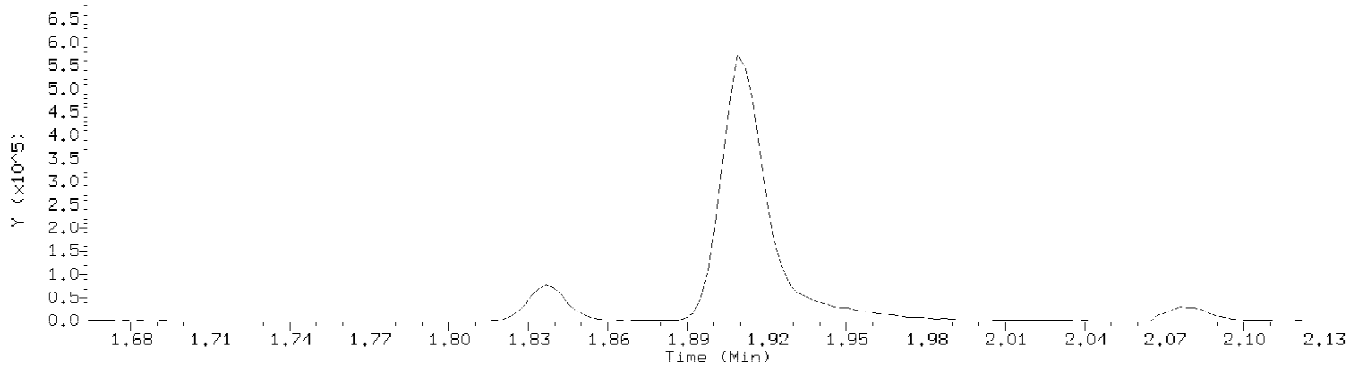
Original Ion: 84 Area: 0 Height: 0 (02-May-2014 15:42 dengelhardt)



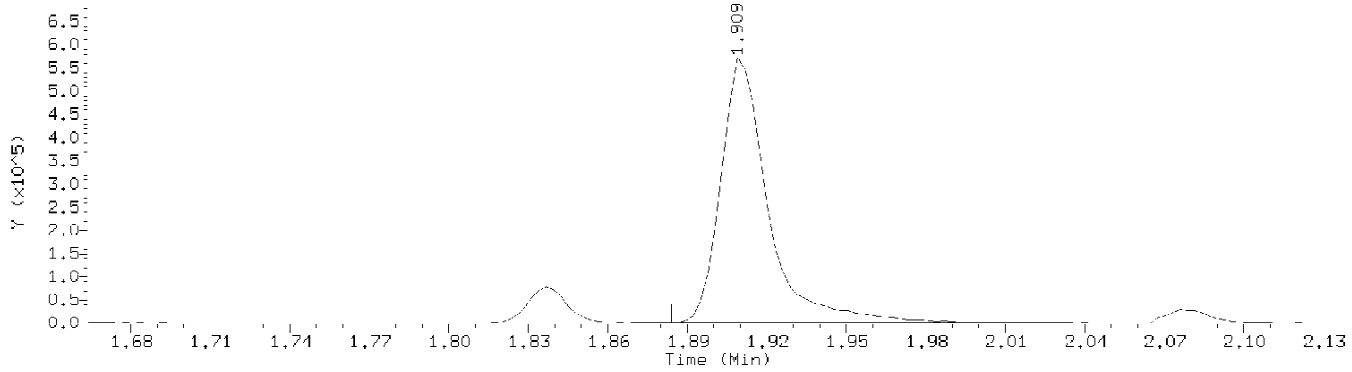
Manually Integrated Ion: 84 Area: 575264 Height: 446771 (02-May-2014 15:45 dengelhardt)



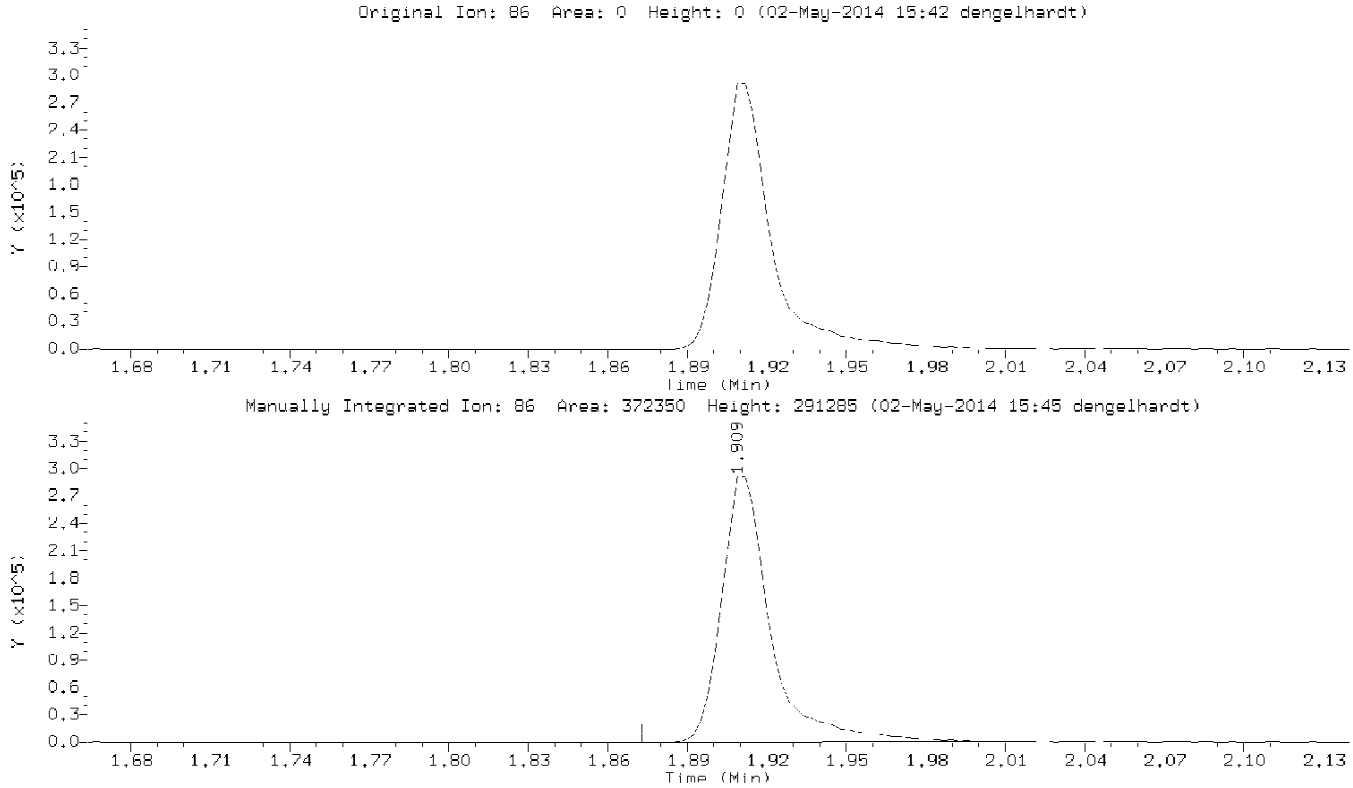
Original Ion: 49 Area: 0 Height: 0 (02-May-2014 15:42 dengelhardt)



Manually Integrated Ion: 49 Area: 711350 Height: 571852 (02-May-2014 15:45 dengelhardt)



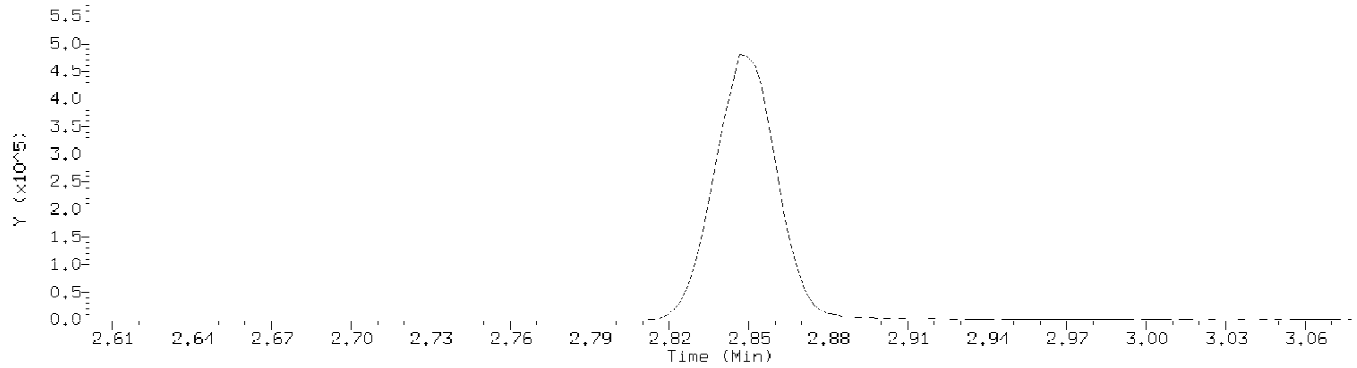
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b09cal8.d
Injection Date: 02-MAY-2014 15:20
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL8,65555:0



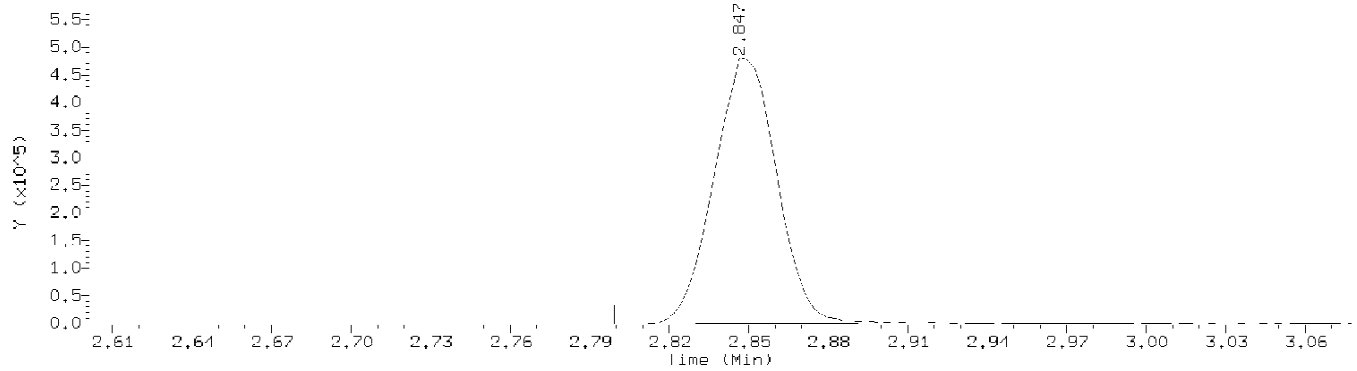
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b09cal8.d
Injection Date: 02-MAY-2014 15:20
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL8,65555:0

Compound: 1,2-Dichloroethene (cis)
CAS Number: 156-59-2

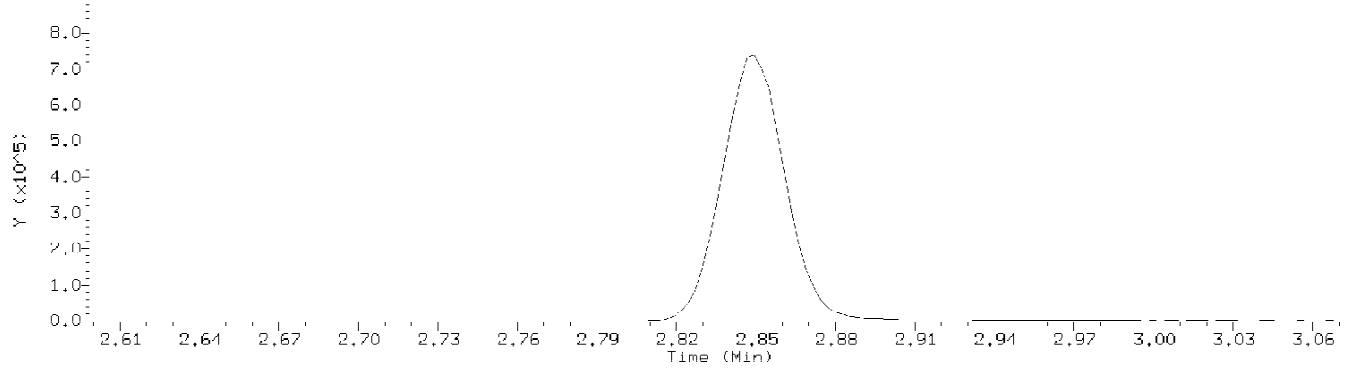
Original Ion: 96 Area: 0 Height: 0 (02-May-2014 15:42 dengelhardt)



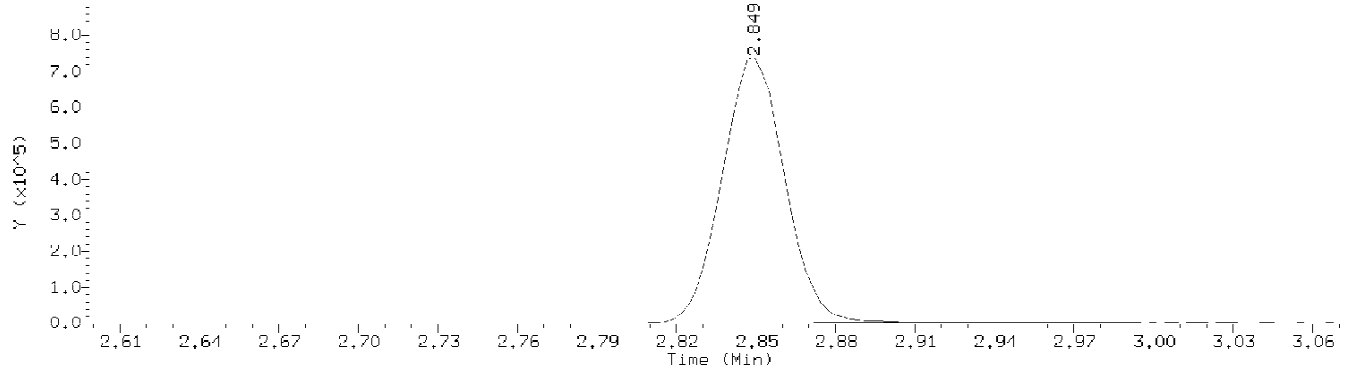
Manually Integrated Ion: 96 Area: 788083 Height: 480312 (02-May-2014 15:45 dengelhardt)



Original Ion: 61 Area: 0 Height: 0 (02-May-2014 15:42 dengelhardt)

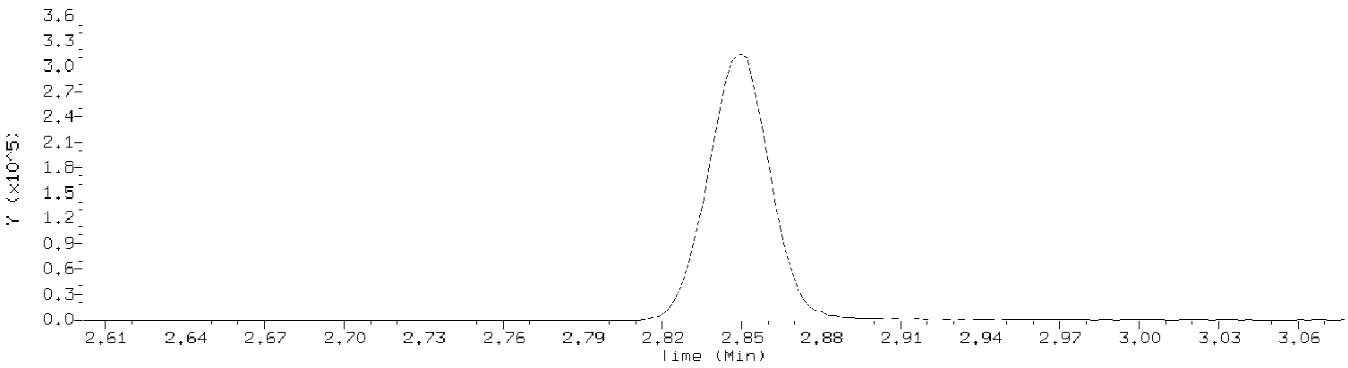


Manually Integrated Ion: 61 Area: 1217637 Height: 737946 (02-May-2014 15:45 dengelhardt)

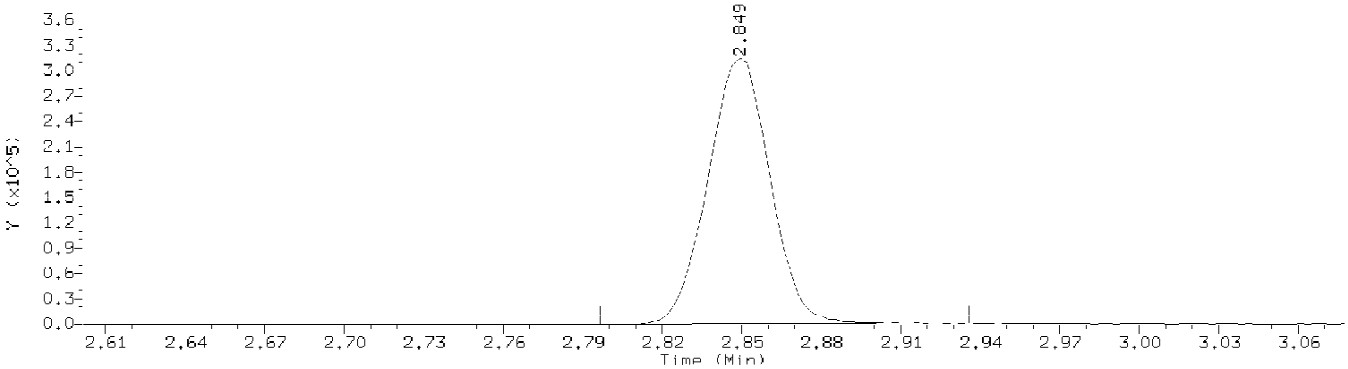


Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b09cal8.d
Injection Date: 02-MAY-2014 15:20
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL8,65555:0

Original Ion: 98 Area: 0 Height: 0 (02-May-2014 15:42 dengelhardt)



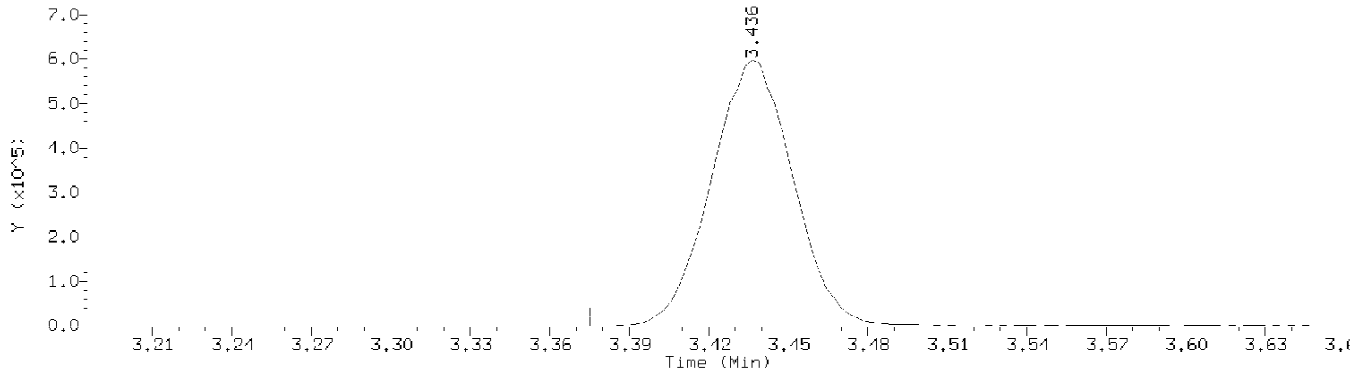
Manually Integrated Ion: 98 Area: 509863 Height: 314439 (02-May-2014 15:45 dengelhardt)



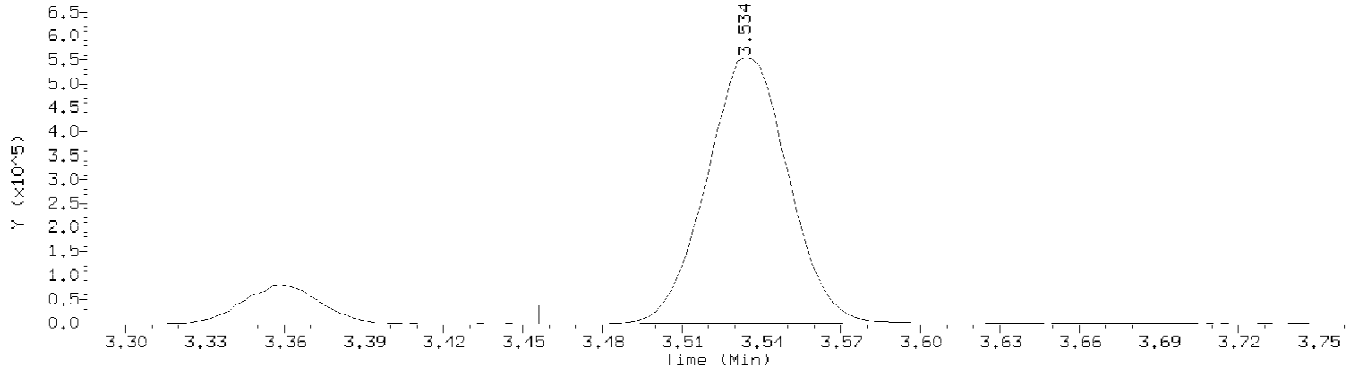
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b09cal8.d
Injection Date: 02-MAY-2014 15:20
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL8,65555:0

Compound: Carbon Tetrachloride
CAS Number: 56-23-5

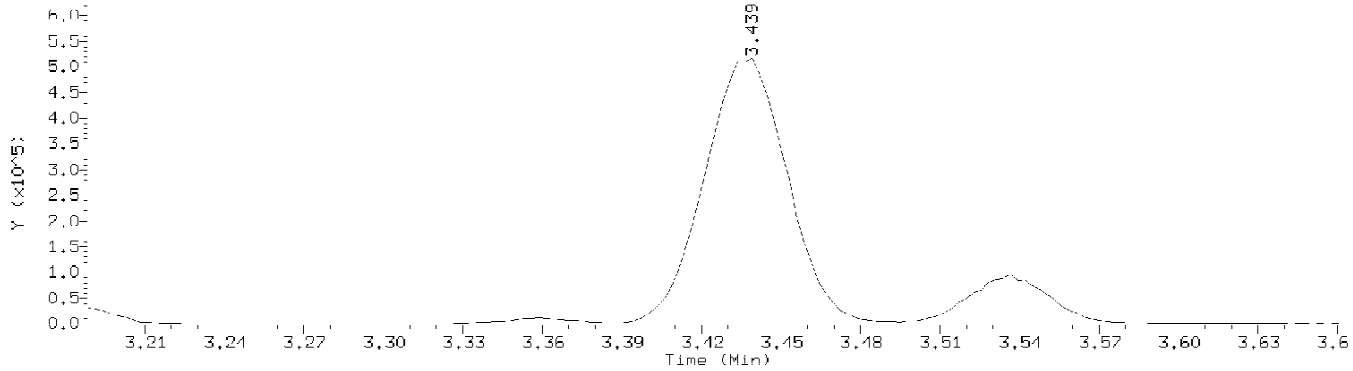
Original Ion: 56 Area: 1290887 Height: 597632 (02-May-2014 15:42 dengelhardt)



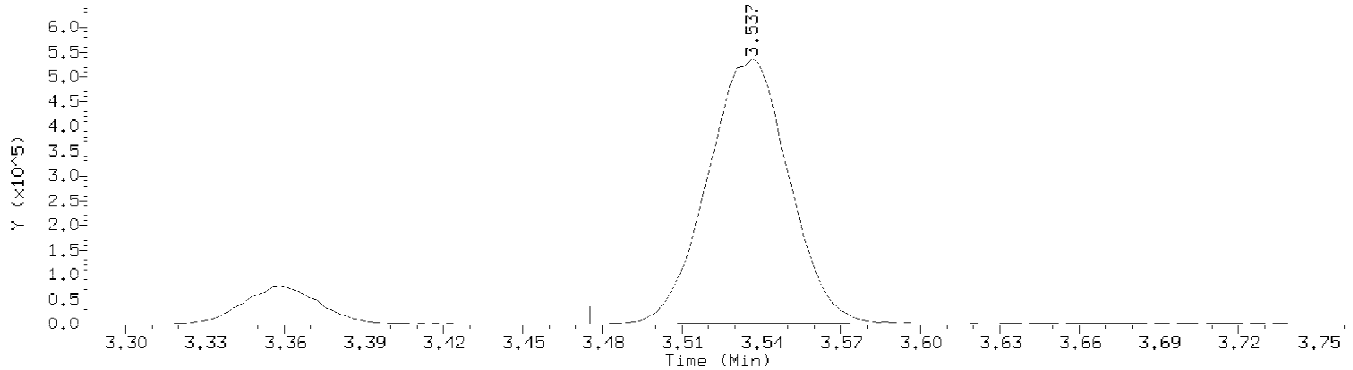
Manually Integrated Ion: 117 Area: 1186225 Height: 553560 (02-May-2014 15:45 dengelhardt)



Original Ion: 84 Area: 1111984 Height: 515337 (02-May-2014 15:42 dengelhardt)

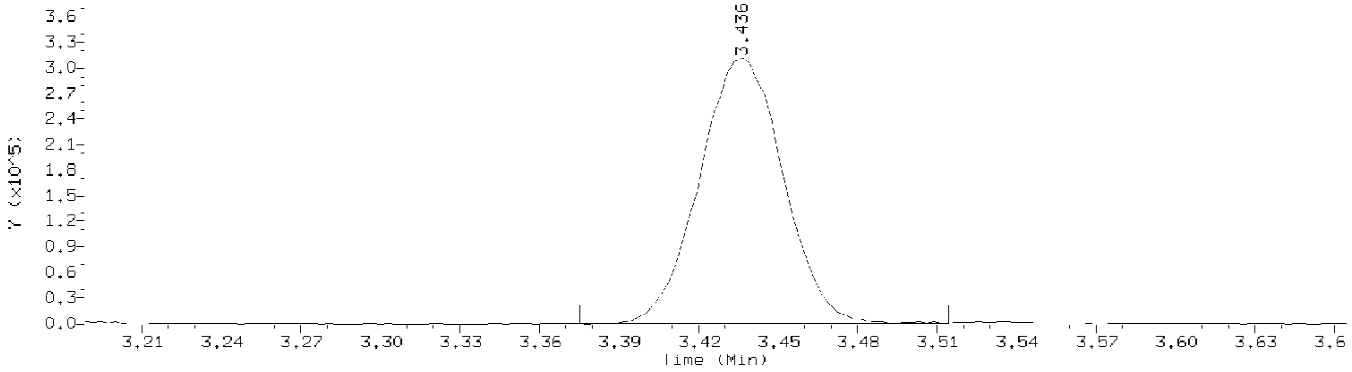


Manually Integrated Ion: 119 Area: 1142231 Height: 535634 (02-May-2014 15:45 dengelhardt)

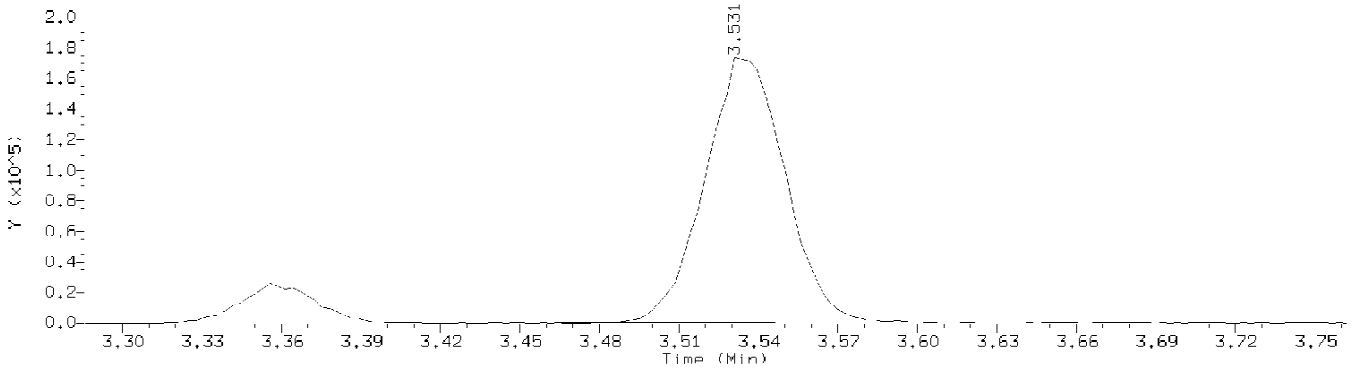


Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b09cal8.d
Injection Date: 02-MAY-2014 15:20
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL8,65555:0

Original Ion: 41 Area: 680725 Height: 311031 (02-May-2014 15:42 dengelhardt)

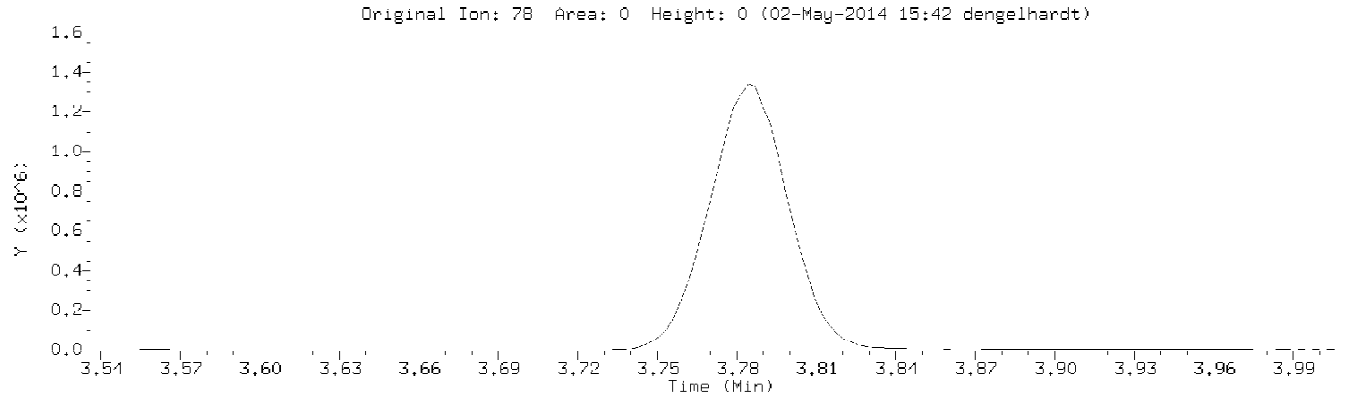


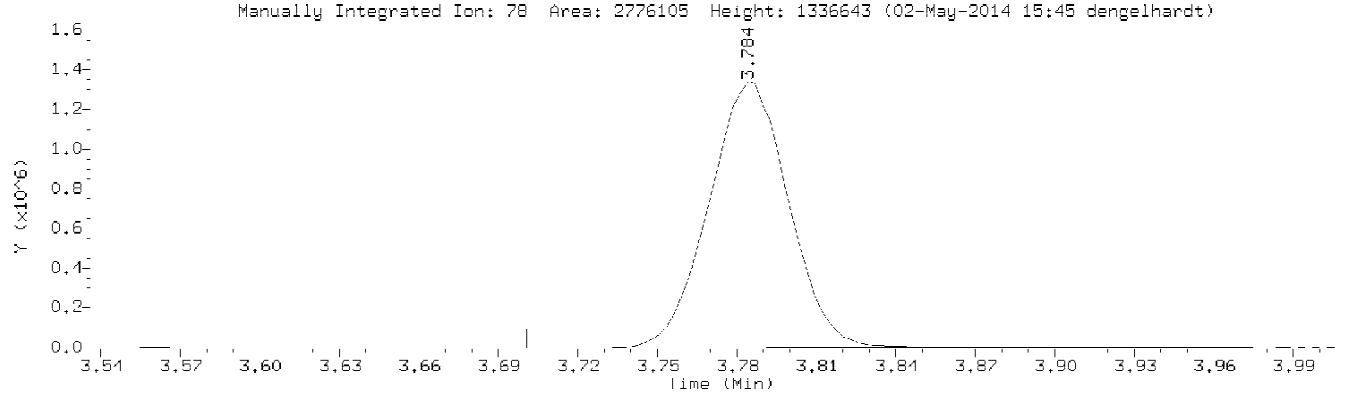
Manually Integrated Ion: 121 Area: 364278 Height: 173567 (02-May-2014 15:45 dengelhardt)

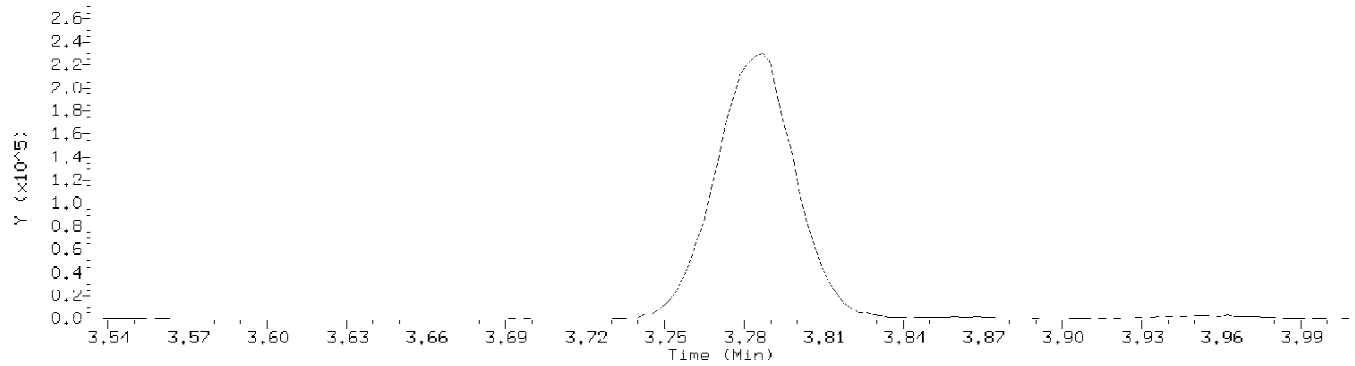


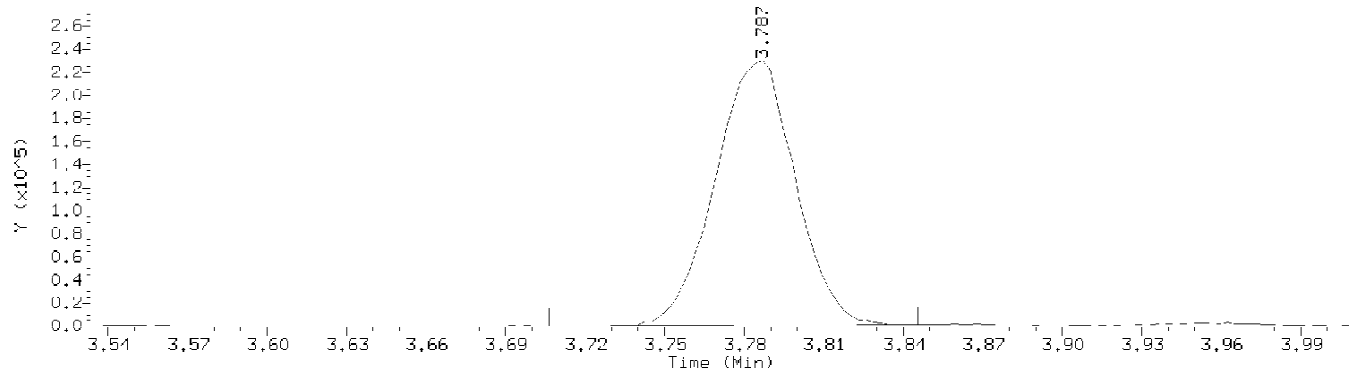
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b09cal8.d
Injection Date: 02-MAY-2014 15:20
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL8,65555:0

Compound: Benzene
CAS Number: 71-43-2



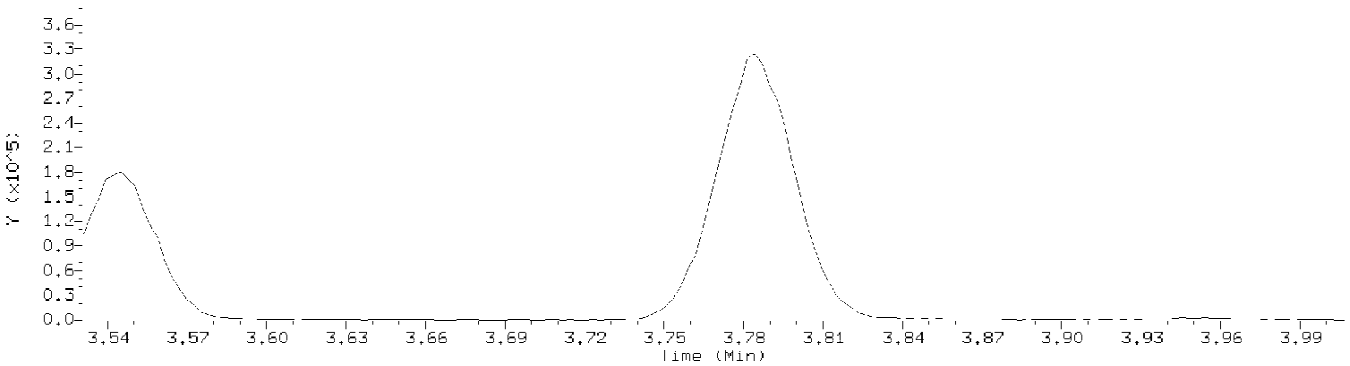




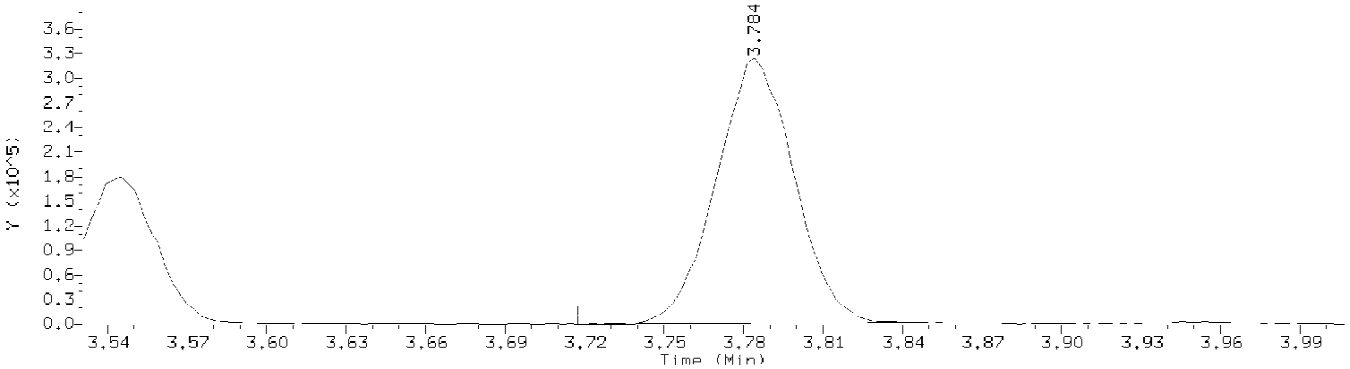


Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b09cal8.d
Injection Date: 02-MAY-2014 15:20
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL8,65555:0

Original Ion: 77 Area: 0 Height: 0 (02-May-2014 15:42 dengelhardt)



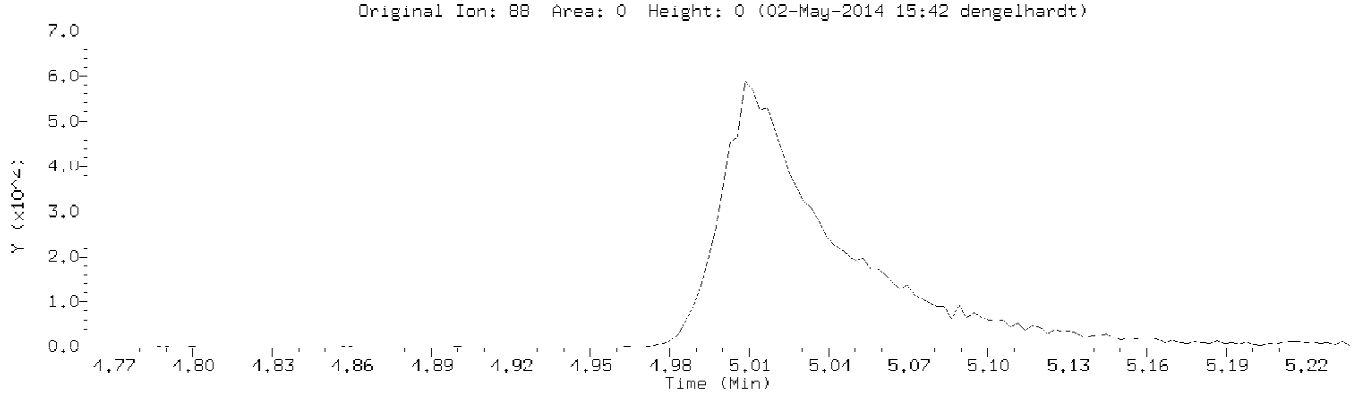
Manually Integrated Ion: 77 Area: 658276 Height: 323347 (02-May-2014 15:45 dengelhardt)



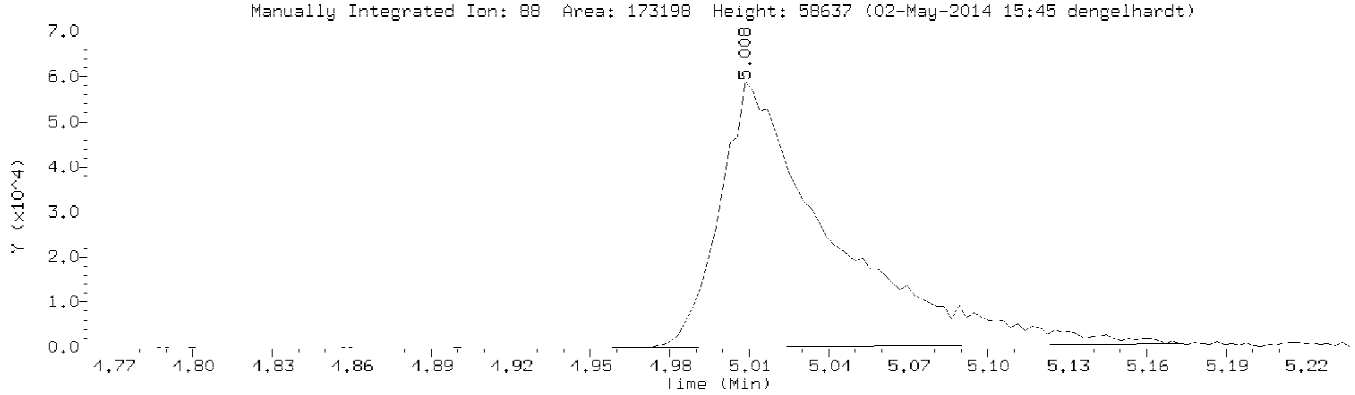
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b09cal8.d
Injection Date: 02-MAY-2014 15:20
Instrument: 50mv2b.i
Lab Sample ID: 8260-CAL8,65555:0

Compound: 1,4-Dioxane
CAS Number:

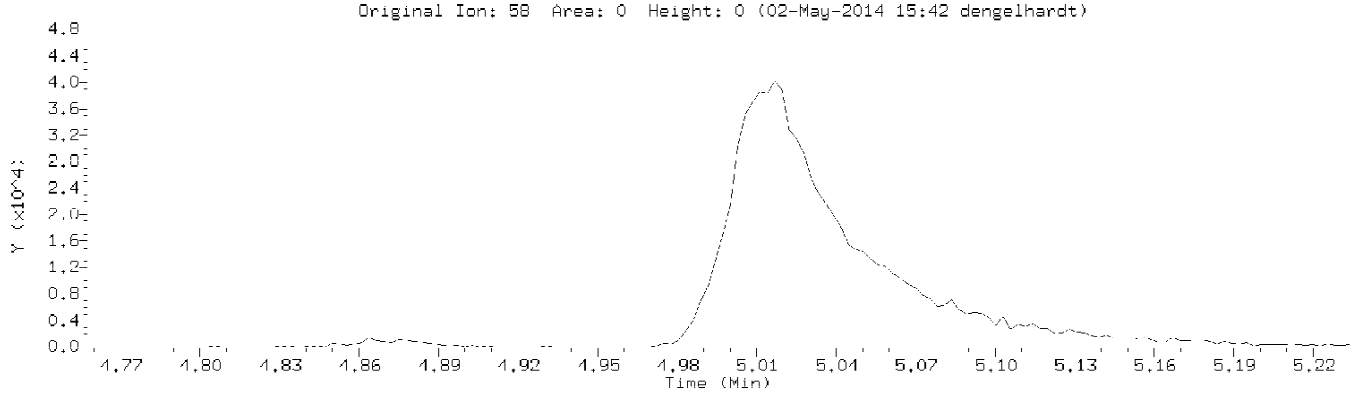
Original Ion: 88 Area: 0 Height: 0 (02-May-2014 15:42 dengelhardt)



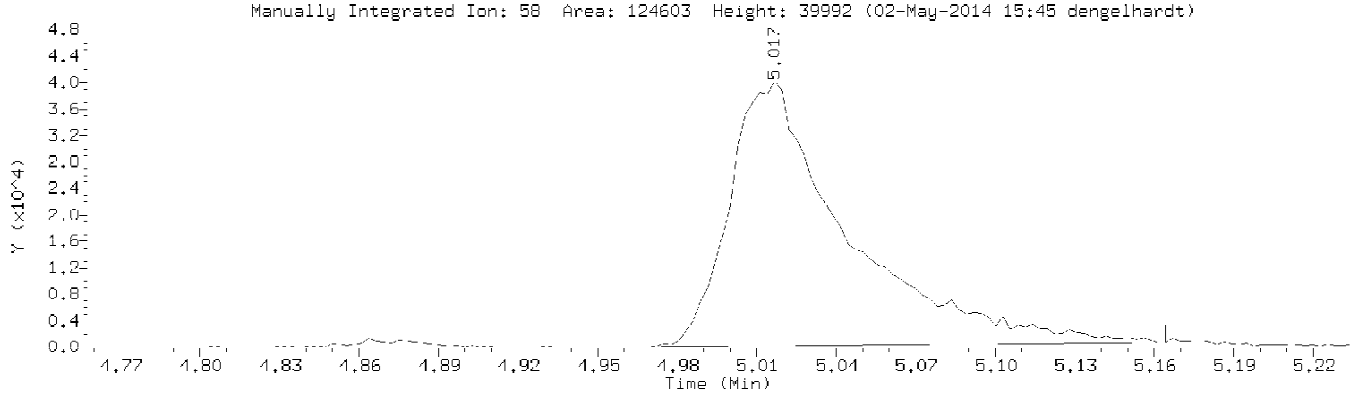
Manually Integrated Ion: 88 Area: 173198 Height: 58637 (02-May-2014 15:45 dengelhardt)



Original Ion: 58 Area: 0 Height: 0 (02-May-2014 15:42 dengelhardt)



Manually Integrated Ion: 58 Area: 124603 Height: 39992 (02-May-2014 15:45 dengelhardt)



Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 1
Report Date: 05-May-2014 13:37

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d
Lab Smp Id: 8260-ICV,65556:0 Client Smp ID: 8260-ICV,65556:0
Inj Date : 02-MAY-2014 16:27
Operator : dac Inst ID: 50mv2b.i
Smp Info : 8260-icv,65556:0
Misc Info : 64180
Comment :
Method : \\192.168.50.6\chem\50mv2b.i\b050214cal.b\-b8260_a_b.m
Meth Date : 05 May 2014 11:52 dengelhard Quant Type: ISTD
Cal Date : 02 MAY 2014 15:20 Cal File: b09cal8.d
Als bottle: 62 QC Sample: ICV
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 50-VOA-DAF

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON COLUMN (ppb)	FINAL (ppb)	REVIEW C
1	Dichlorodifluoromethane	85	0.971	0.971	(0.232)	209736	68.2716	68.3(R)	
2	Chloromethane	50	1.077	1.077	(0.258)	129347	52.0732	52.1	
3	Vinyl Chloride	62	1.099	1.099	(0.263)	126330	50.5739	50.6	
4	Bromomethane	94	1.241	1.238	(0.297)	54985	69.0506	69.0(R)	
5	Chloroethane	64	1.285	1.285	(0.307)	72700	63.9493	63.9	
6	Trichlorofluoromethane	101	1.397	1.397	(0.334)	231192	54.6929	54.7	
7	Diethyl ether	74	1.522	1.519	(0.364)	60747	53.3195	53.3	
8	Acrolein	56	1.591	1.591	(0.381)	327277	1122.94	1120	
9	1,1-Dichloroethene	96	1.647	1.647	(0.394)	97955	50.7592	50.8	
10	1,1,2trichlorotrifluoroethane	101	1.641	1.641	(0.393)	111945	49.6000	49.6	
11	Acetone	43	1.658	1.658	(0.397)	163023	280.437	280	
12	Iodomethane	142	1.733	1.733	(0.415)	183183	95.3099	95.3(M)	NI
141	Acetonitrile	39	1.839	1.839	(0.440)	215040	47.5877	47.6	
13	Carbon Disulfide	76	1.780	1.778	(0.426)	535887	103.405	103	
14	allyl chloride	41	1.839	1.839	(0.440)	256403	97.0295	97.0	
15	Methylene Chloride	84	1.914	1.914	(0.458)	99395	53.5356	53.5	
16	Acrylonitrile	53	2.048	2.048	(0.490)	714002	919.015	919	
17	tert-Butyl Alcohol	59	1.953	1.956	(0.467)	23414	100.658	101	
18	1,2-Dichloroethene (trans)	96	2.084	2.081	(0.498)	103302	49.1494	49.1	
19	Methyl-tert-butyl ether	73	2.073	2.073	(0.496)	615585	103.097	103	
20	n-Hexane	57	2.259	2.262	(0.540)	148426	46.6997	46.7	
138	Methyl Acetate	43	1.822	1.822	(0.436)	96899	55.3619	55.4	

Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 2
Report Date: 05-May-2014 13:37

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON COLUMN (ppb)	CONCENTRATIONS FINAL (ppb)	REVIEW C
	21 1,1-Dichloroethane	63	2.384	2.384	(0.570)	235340	51.7604	51.8	
	23 Vinyl Acetate	43	2.373	2.373	(0.568)	1018891	248.336	248	
	143 Chloroprene	53	2.437	2.437	(0.583)	236229	55.9369	55.9	
	24 2,2-Dichloropropane	77	2.857	2.857	(0.683)	144001	51.1096	51.1	
	25 1,2-Dichloroethene (cis)	96	2.852	2.852	(0.682)	140069	49.7140	49.7	
	26 2-Butanone	43	2.838	2.838	(0.679)	294634	265.258	265	
	27 Propionitrile	54	2.899	2.893	(0.693)	19509	46.5800	46.6(Q)	
	142 Methacrylonitrile	41	3.044	3.041	(0.728)	305540	786.387	786	
	28 1,2-dichlorotrifluoroethane	67	1.538	1.538	(0.368)	133929	50.1447	50.1	
	29 Bromochloromethane	49	3.080	3.080	(0.737)	103255	48.9179	48.9	
	30 Tetrahydrofuran	42	3.097	3.094	(0.741)	38635	58.2560	58.2	
	31 Chloroform	83	3.188	3.188	(0.762)	237469	47.8322	47.8	
$	32 Dibromofluoromethane (S)	113	3.364	3.361	(0.804)	105212	49.0927	49.1	
	33 1,1,1-Trichloroethane	97	3.364	3.361	(0.804)	219714	52.7044	52.7	
	34 cyclohexane	56	3.436	3.436	(0.822)	230130	54.4284	54.4	
	35 Carbon Tetrachloride	117	3.533	3.536	(0.845)	183248	56.6548	56.6	
	36 1,1-Dichloropropene	75	3.547	3.547	(0.848)	187446	53.2307	53.2	
	37 Isobutyl alcohol	43	3.903	3.951	(0.933)	1081845	1009.41	1010(QM)	
	38 Benzene	78	3.786	3.787	(0.906)	467969	50.2855	50.3	
	39 1,2-Dichloroethane	62	3.876	3.876	(0.927)	209582	50.3472	50.3	
	144 2,2,4-Trimethylpentane	57	3.956	3.956	(0.946)	346845	49.1706	49.2	
*	40 Fluorobenzene	96	4.182	4.179	(1.000)	374038	50.0000		
	41 Trichloroethene	95	4.618	4.618	(1.104)	135546	50.4402	50.4	
	139 Methylcyclohexane	55	4.874	4.874	(1.166)	166978	57.0614	57.1	
	42 1,2-Dichloropropane	63	4.919	4.919	(1.176)	121140	53.6463	53.6	
	43 Dibromomethane	93	5.008	5.005	(1.198)	77116	49.0877	49.1	
	140 1,4-Dioxane	88	5.005	5.011	(1.197)	26622	49.5082	49.5(R)	
	44 Methyl methacrylate	69	5.025	5.027	(1.202)	81743	54.4296	54.4	
	45 Bromodichloromethane	83	5.225	5.222	(1.249)	158950	53.8618	53.9	
	46 2 Chloroethyl vinyl ether	63	5.556	5.556	(0.766)	52904	121.156	121	
	47 cis 1,3 Dichloropropene	75	5.690	5.687	(0.785)	172552	47.8854	47.9	
	48 4 Methyl 2 Pentanone	43	5.856	5.857	(0.808)	523903	276.559	276	
$	49 Toluene d8	98	5.948	5.948	(0.820)	361967	50.8046	50.9	
	50 Toluene	91	6.015	6.015	(0.830)	513358	51.4627	51.5	
	51 trans 1,3 Dichloropropene	75	6.285	6.285	(0.867)	146468	46.9026	46.9	
	52 Ethyl Methacrylate	69	6.368	6.368	(0.878)	586048	225.902	226	
	53 1,1,2-Trichloroethane	83	6.469	6.466	(0.892)	81401	51.7229	51.7	
	54 Tetrachloroethene	166	6.510	6.513	(0.898)	140491	51.5096	51.5	
	55 1,3-Dichloropropane	76	6.608	6.608	(0.911)	187424	54.5319	54.5	
	56 2-Hexanone	43	6.677	6.677	(0.921)	364389	272.487	272	
	57 Dibromochloromethane	129	6.791	6.789	(0.937)	108699	47.6726	47.7	
	58 1,2-Dibromoethane	107	6.875	6.875	(0.948)	110586	54.9269	54.9	
*	59 Chlorobenzene-d5	117	7.250	7.250	(1.000)	284566	50.0000		
	60 Chlorobenzene	112	7.273	7.273	(1.003)	339420	51.1323	51.1	
	61 1,1,1,2-Tetrachloroethane	131	7.353	7.353	(1.014)	118658	58.8036	58.8	
	62 Ethylbenzene	106	7.362	7.362	(1.015)	190933	51.7029	51.7	
	63 m&p-Xylene	106	7.465	7.465	(1.030)	470865	103.637	104	
	65 o-Xylene	106	7.732	7.732	(1.066)	222498	52.7557	52.8	
	66 Styrene	104	7.751	7.751	(1.069)	378287	54.7983	54.8	
	67 Bromoform	173	7.868	7.868	(0.892)	63058	44.8351	44.8	
	68 Isopropylbenzene	105	7.990	7.991	(1.102)	612747	55.8667	55.9	
	69 trans-1,4-Dichloro-2-butene	53	8.227	8.230	(1.135)	137591	167.929	168(Q)	
$	70 4-Bromofluorobenzene	95	8.105	8.102	(1.118)	156061	50.7690	50.8	
	71 Bromobenzene	77	8.182	8.185	(1.129)	217646	50.8331	50.8	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON COLUMN (ppb)	CONCENTRATIONS FINAL (ppb)	REVIEW C
72	1,1,2,2-Tetrachloroethane	83	8.205	8.205	(0.930)	120462	53.6710	53.7	
73	1,2,3-Trichloropropane	110	8.235	8.235	(0.933)	48616	49.2545	49.2(Q)	
74	n-Propylbenzene	91	8.263	8.263	(0.936)	698362	54.5069	54.5	
75	2-Chlorotoluene	91	8.313	8.310	(0.942)	422978	50.9013	50.9	
76	4-Chlorotoluene	126	8.391	8.391	(0.951)	143100	50.6523	50.6	
77	1,3,5-Trimethylbenzene	105	8.383	8.383	(0.950)	523704	54.1813	54.2	
78	tert-Butylbenzene	119	8.575	8.575	(0.972)	450412	45.3366	45.3	
79	1,2,4-Trimethylbenzene	105	8.611	8.611	(0.976)	537412	54.7410	54.7	
80	sec-Butylbenzene	105	8.711	8.711	(0.987)	615194	54.6547	54.6	
81	1,3-Dichlorobenzene	146	8.775	8.775	(0.994)	264101	51.7762	51.8	
* 82	1,4-Dichlorobenzene-d4	152	8.825	8.825	(1.000)	153790	50.0000	(O)	
83	p-Isopropyltoluene	119	8.806	8.806	(0.998)	554283	55.1599	55.2	
84	1,4-Dichlorobenzene	146	8.839	8.839	(1.002)	269030	51.0468	51.0	
85	1,2-Dichlorobenzene	146	9.045	9.045	(1.025)	243607	53.0398	53.0	
86	n-Butylbenzene	91	9.042	9.042	(1.025)	461156	56.8278	56.8	
87	1,2-Dibromo-3-chloropropane	155	9.496	9.496	(1.076)	21947	47.8023	47.8	
88	1,2,4-Trichlorobenzene	180	9.944	9.944	(1.127)	154184	62.0371	62.0	
89	Hexachlorobutadiene	225	10.022	10.022	(1.136)	84728	50.2398	50.2	
90	Naphthalene	128	10.086	10.086	(1.143)	437660	50.6526	50.6	
91	1,2,3-Trichlorobenzene	180	10.202	10.202	(1.156)	143541	50.8327	50.8	
92	2,methyl-naphthalene	142	10.689	10.687	(1.211)	160382	45.8137	45.8	
145	1-Methylnaphthalene	142	10.781	10.781	(1.222)	150971	47.6007	47.6	

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Review Codes Legend

:
NI: Indicates that the peak was not integrated at all by the computer software.

Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d

Page 4

Date : 02-MAY-2014 16:27

Client ID: 8260-ICV,65556:0

Instrument: 50mv2b.i

Sample Info: 8260-ICV,65556:0

Purge Volume: 5.0

Operator: dae

Column phase: DB-624

Column diameter: 0.18

Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 5

Date : 02-MAY-2014 16:27

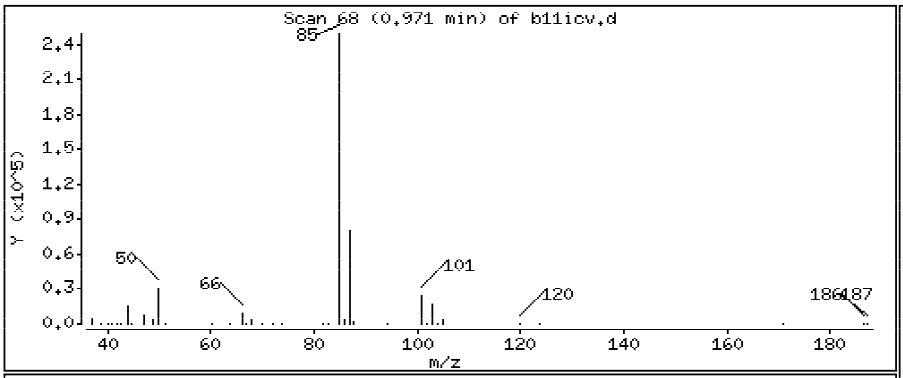
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

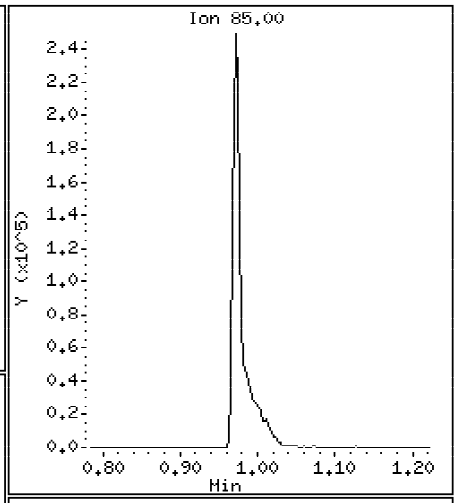
Sample Info: 8260-ICV,65556:0

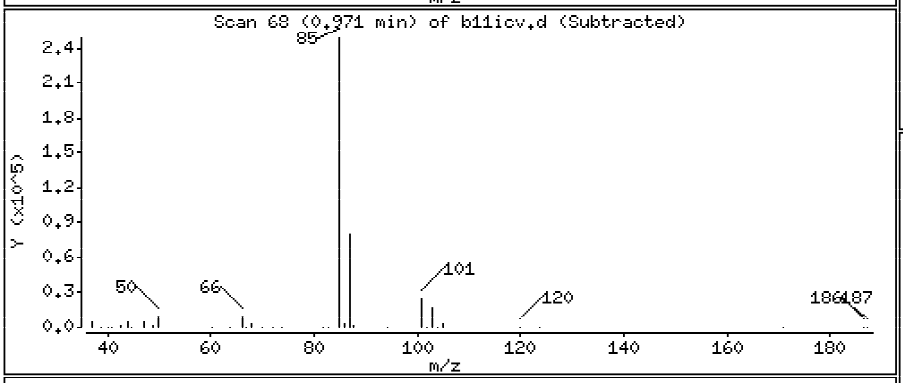
Purge Volume: 5.0 Operator: dae

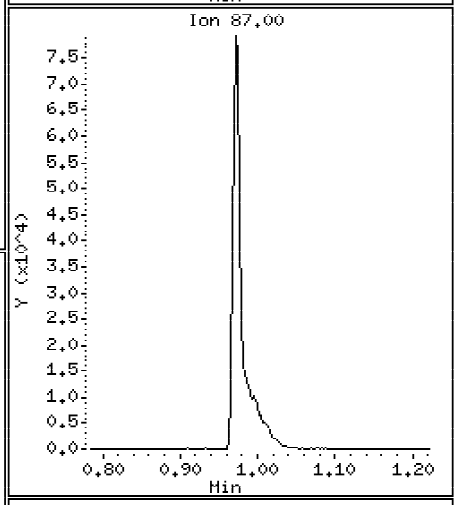
Column phase: DB-624 Column diameter: 0.18

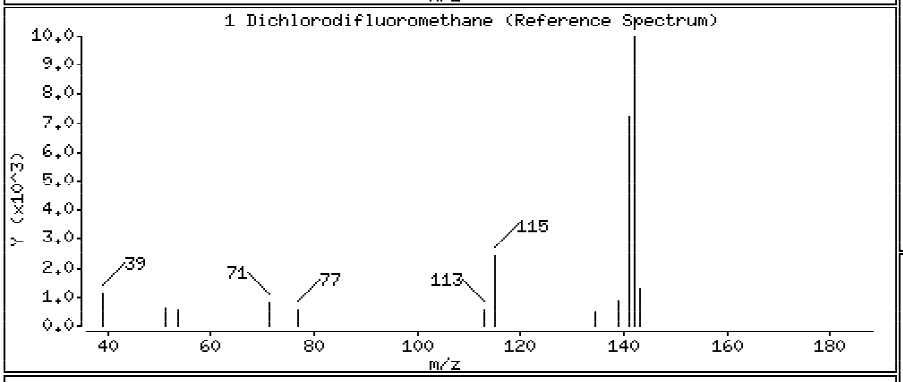
1 Dichlorodifluoromethane Concentration: 68.3 ppb

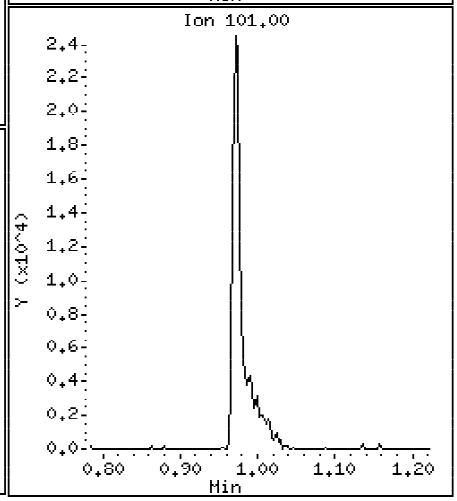


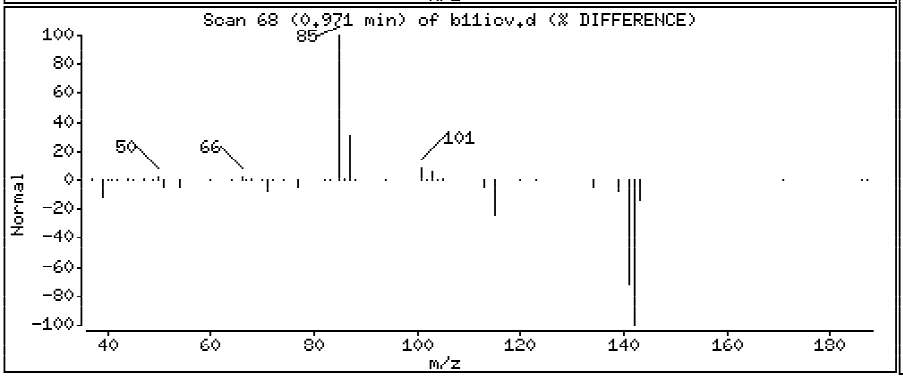












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 6

Date : 02-MAY-2014 16:27

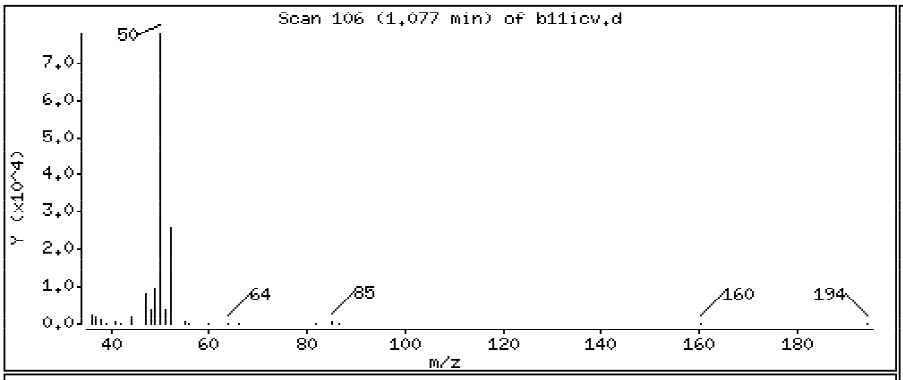
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

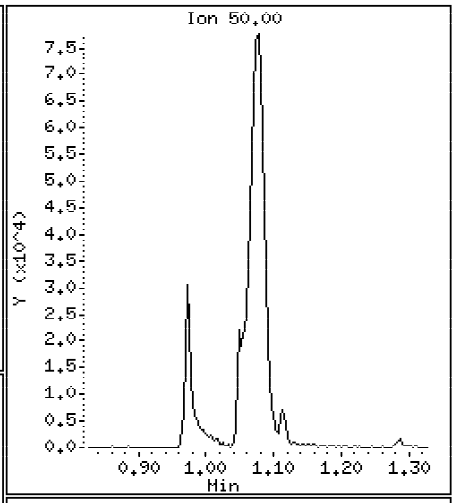
Sample Info: 8260-ICV,65556:0

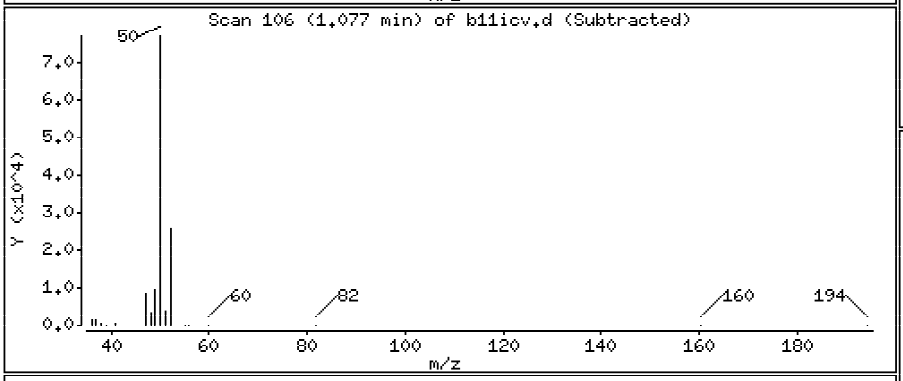
Purge Volume: 5.0 Operator: dae

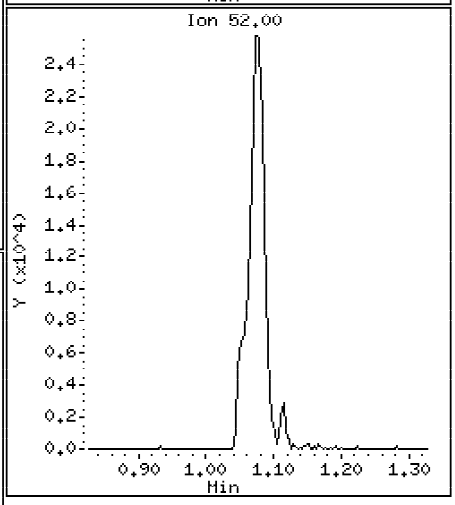
Column phase: DB-624 Column diameter: 0.18

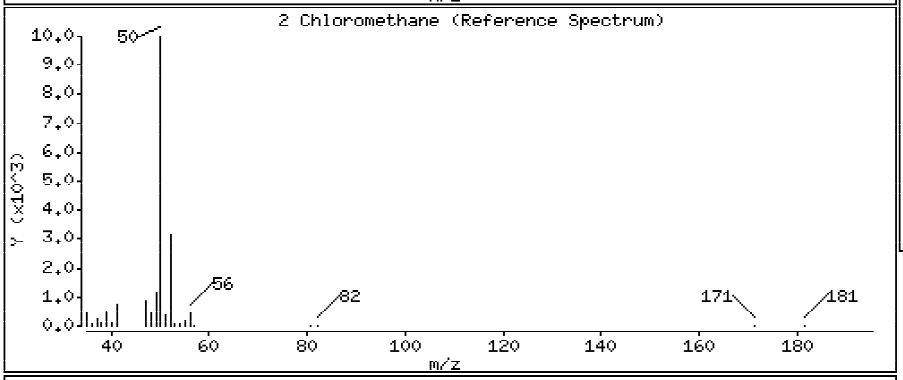
2 Chloromethane Concentration: 52.1 ppb

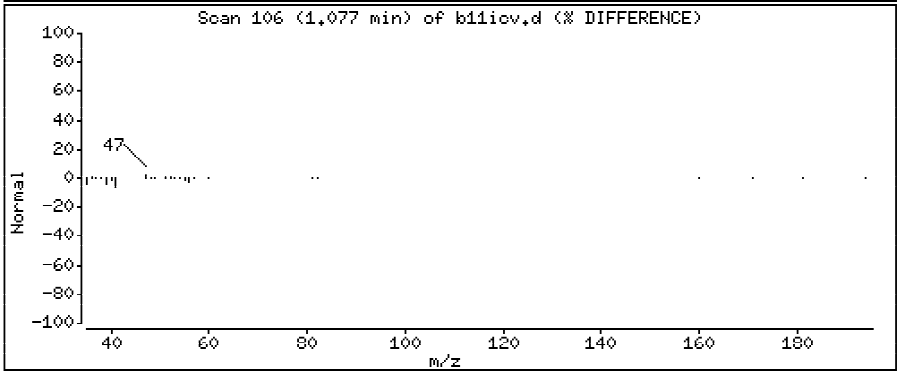












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 7

Date : 02-MAY-2014 16:27

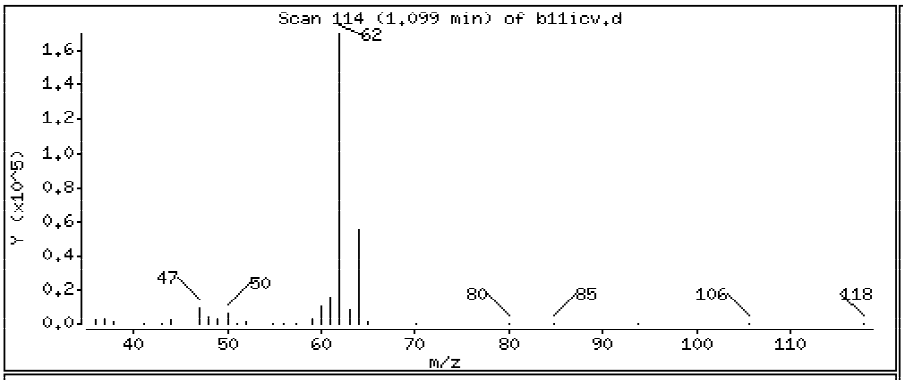
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

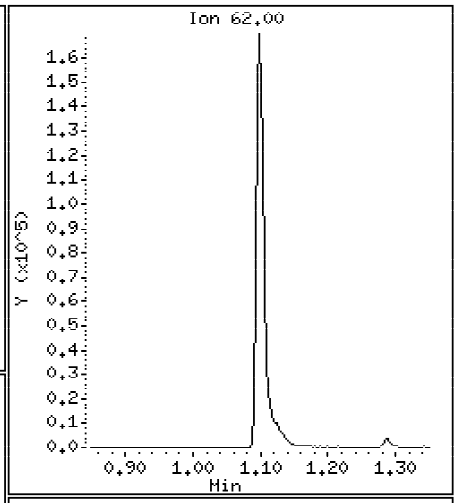
Sample Info: 8260-ICV,65556:0

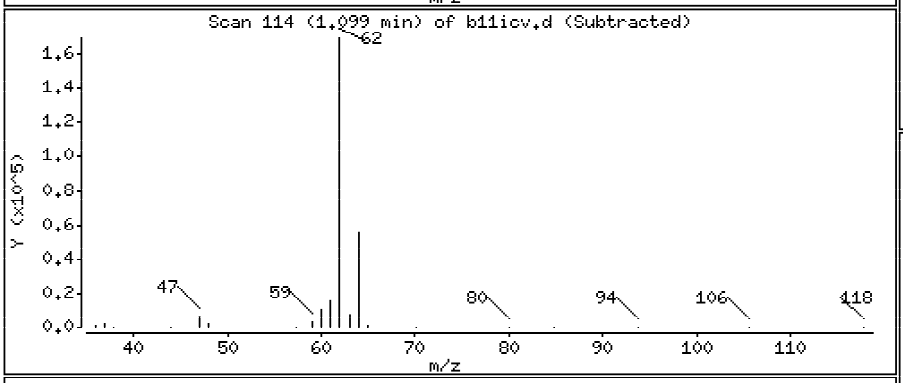
Purge Volume: 5.0 Operator: dae

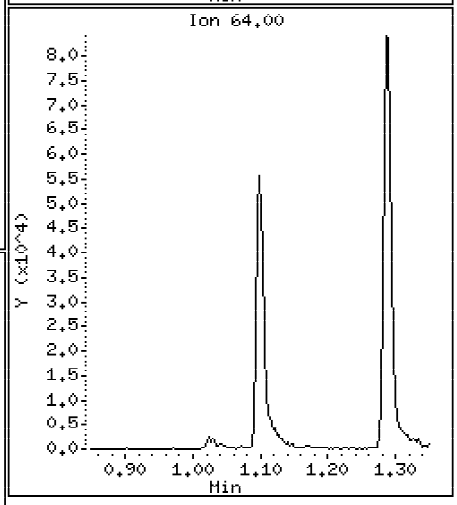
Column phase: DB-624 Column diameter: 0.18

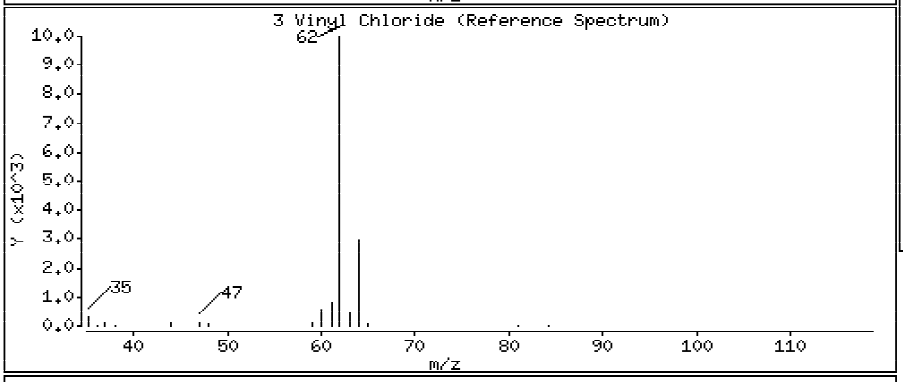
3 Vinyl Chloride Concentration: 50.6 ppb

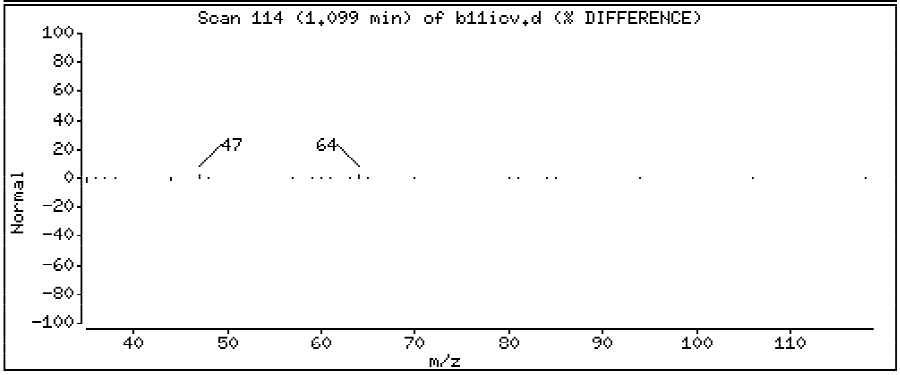












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 8

Date : 02-MAY-2014 16:27

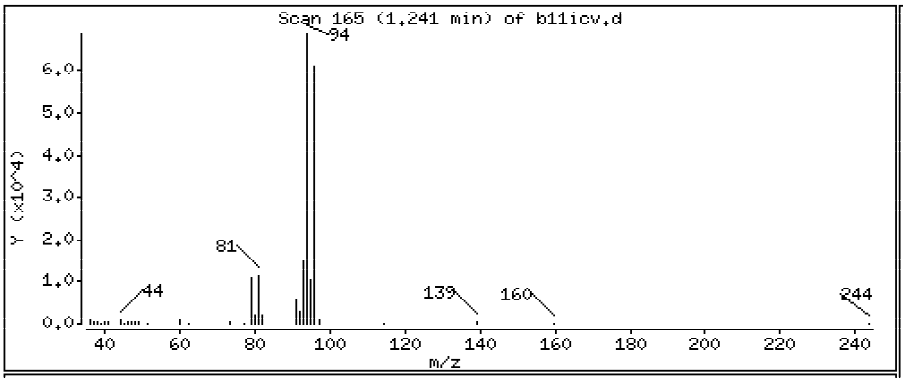
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

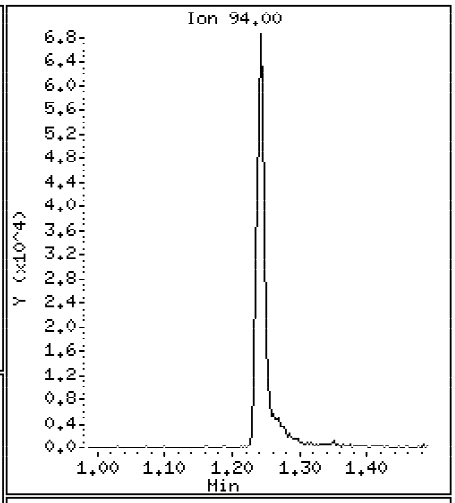
Sample Info: 8260-ICV,65556:0

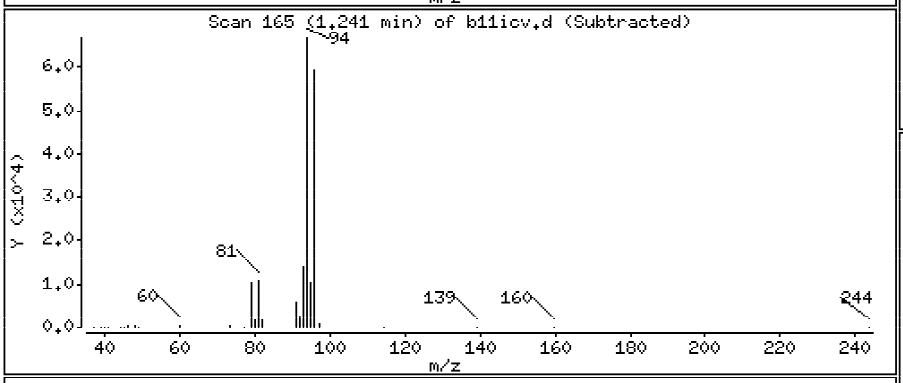
Purge Volume: 5.0 Operator: dae

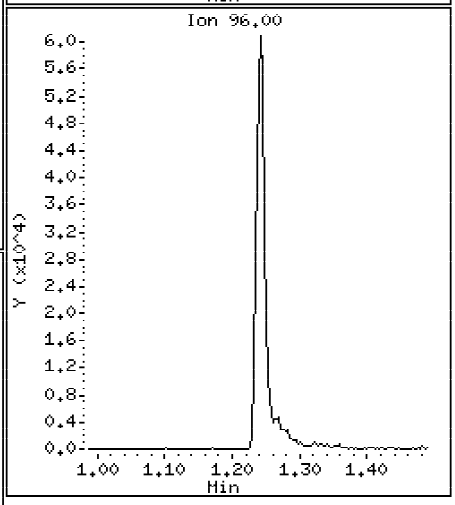
Column phase: DB-624 Column diameter: 0.18

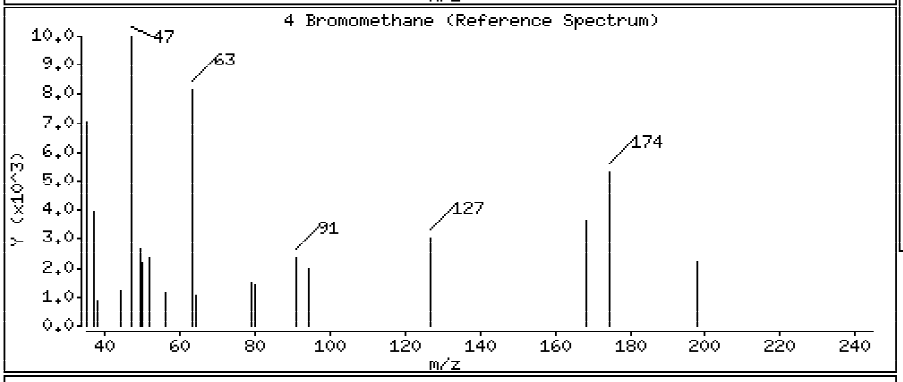
4 Bromomethane Concentration: 69.0 ppb

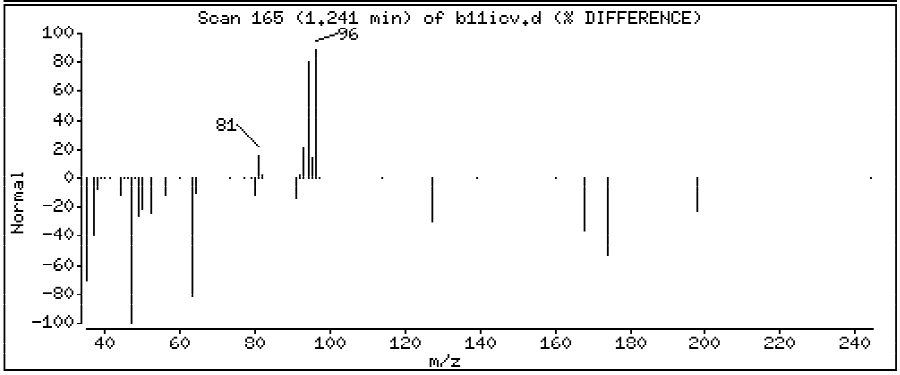












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 9

Date : 02-MAY-2014 16:27

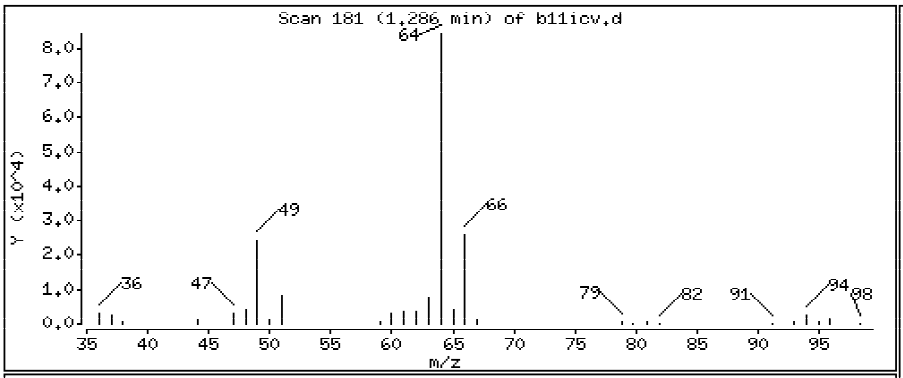
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

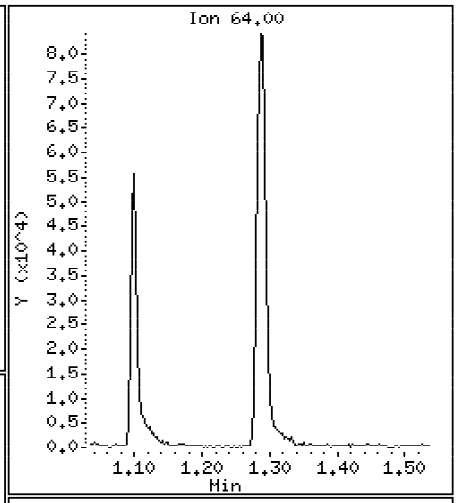
Sample Info: 8260-ICV,65556:0

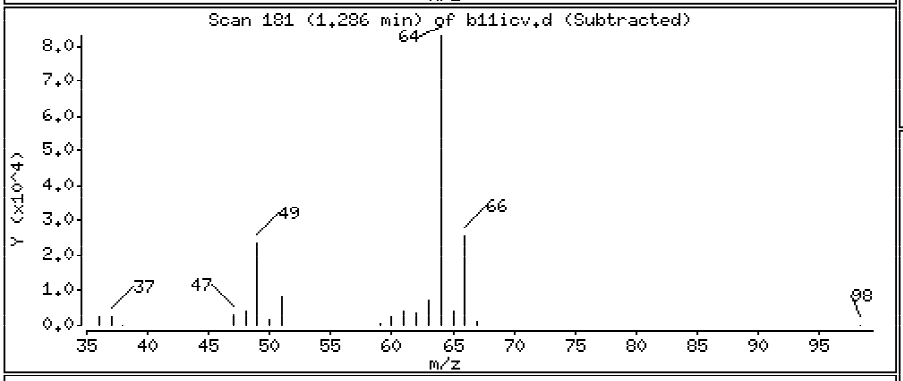
Purge Volume: 5.0 Operator: dae

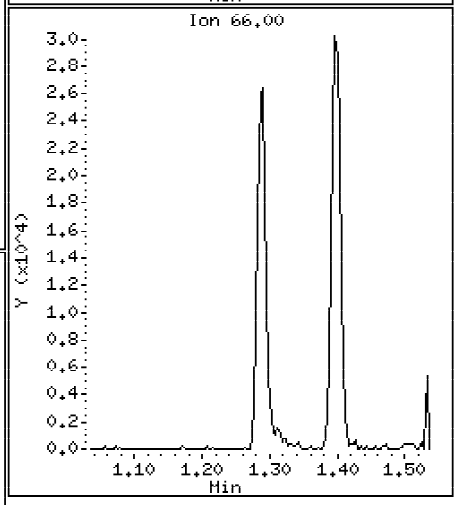
Column phase: DB-624 Column diameter: 0.18

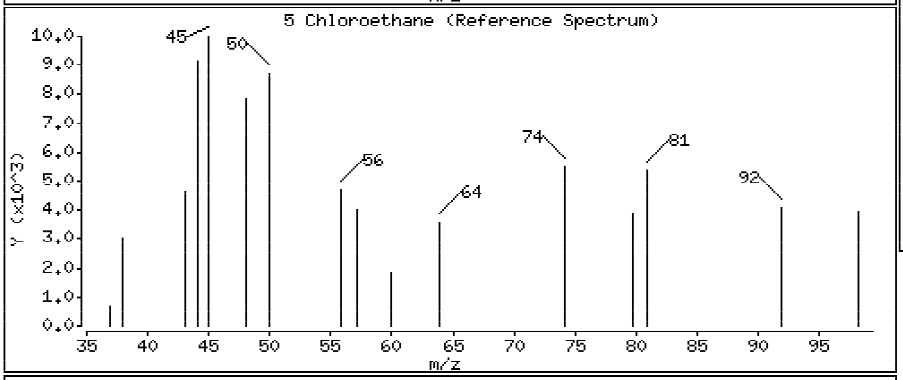
5 Chloroethane Concentration: 63.9 ppb

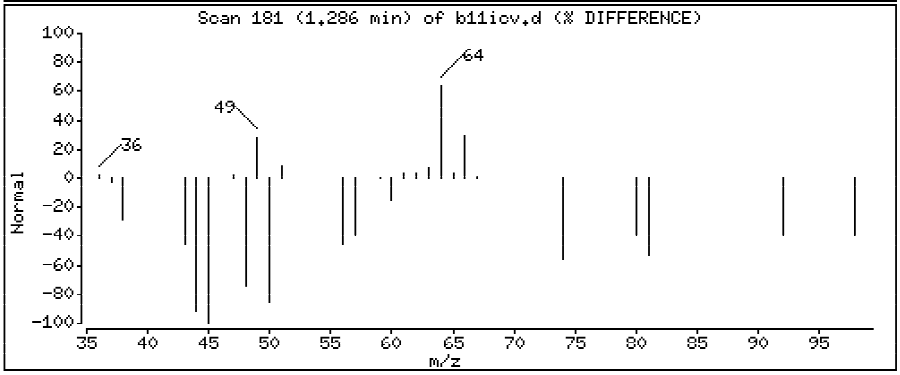












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 10

Date : 02-MAY-2014 16:27

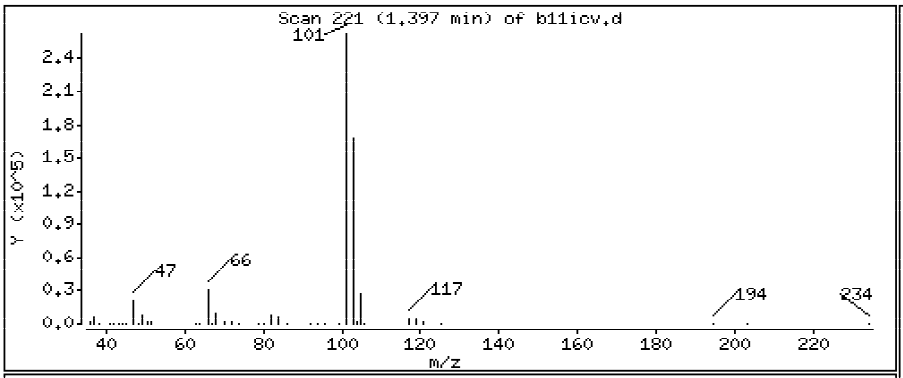
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

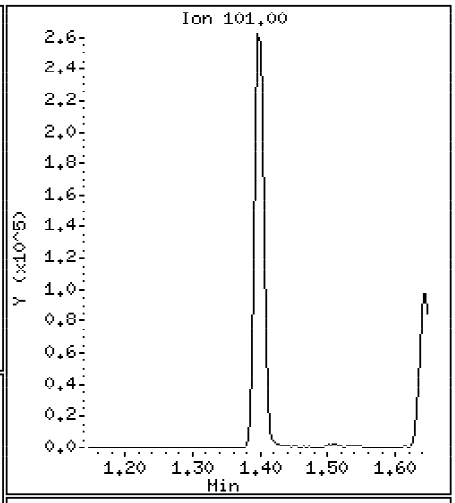
Sample Info: 8260-ICV,65556:0

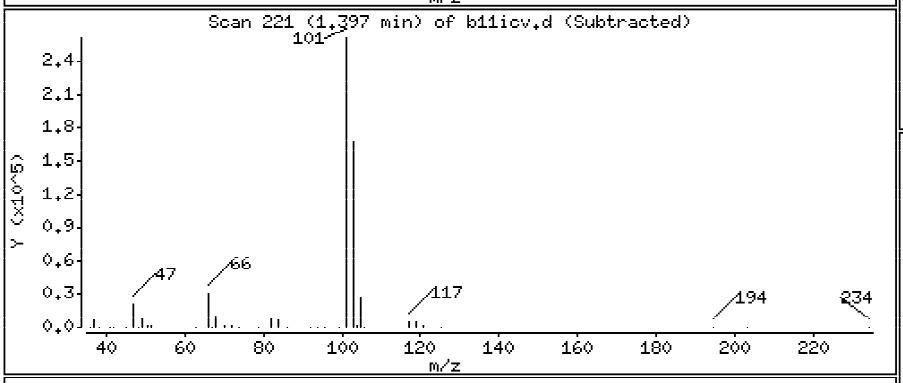
Purge Volume: 5.0 Operator: dae

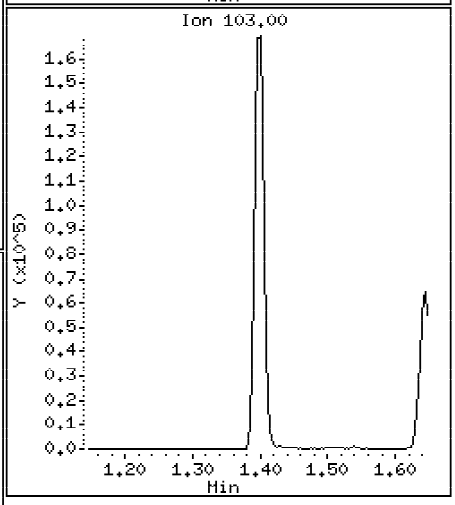
Column phase: DB-624 Column diameter: 0.18

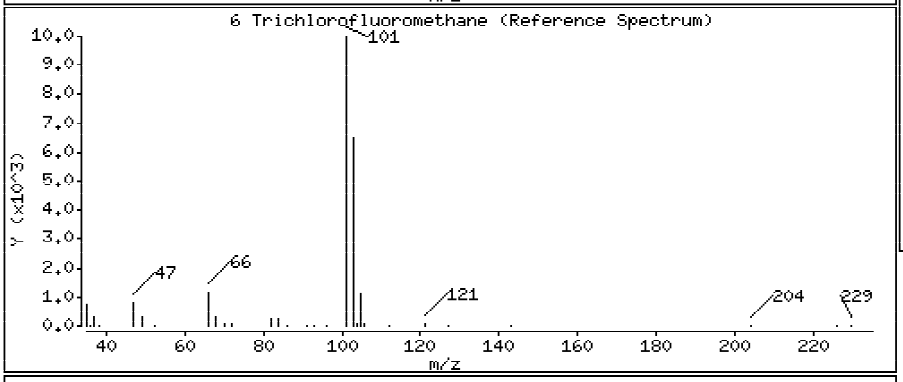
6 Trichlorofluoromethane Concentration: 54.7 ppb

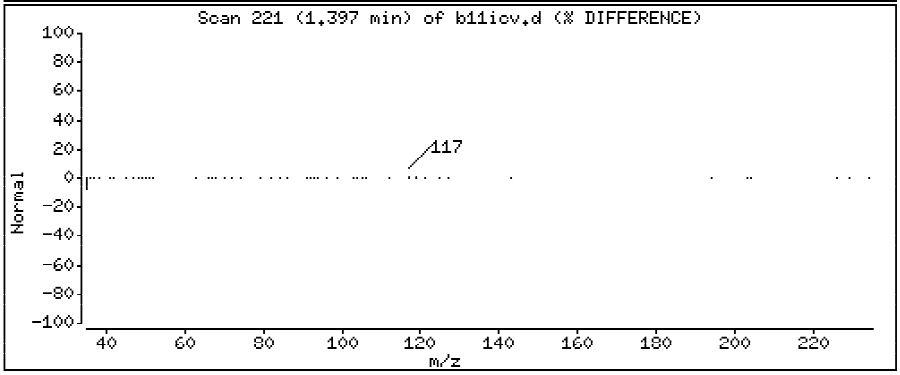












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 11

Date : 02-MAY-2014 16:27

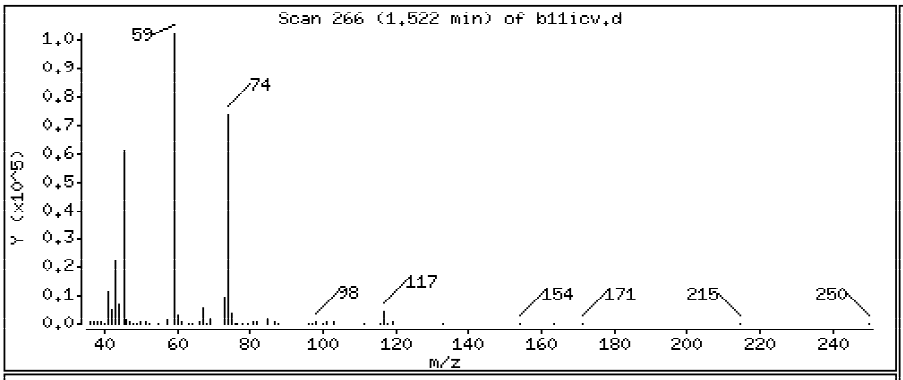
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

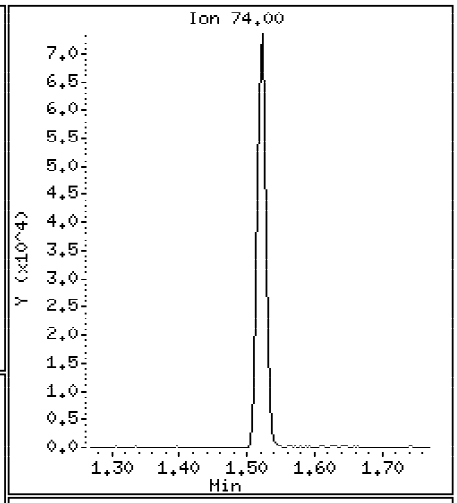
Sample Info: 8260-ICV,65556:0

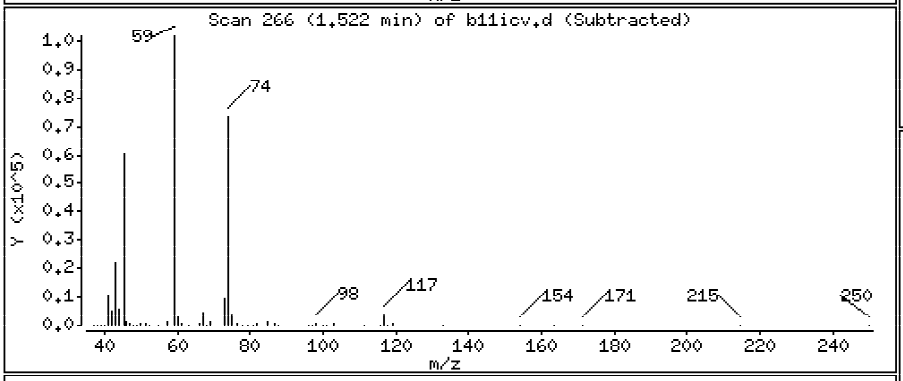
Purge Volume: 5.0 Operator: dae

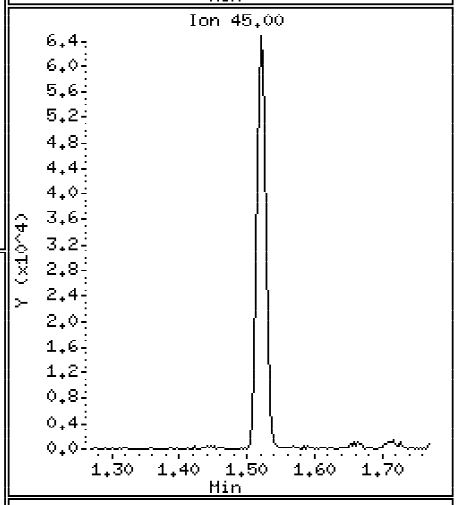
Column phase: DB-624 Column diameter: 0.18

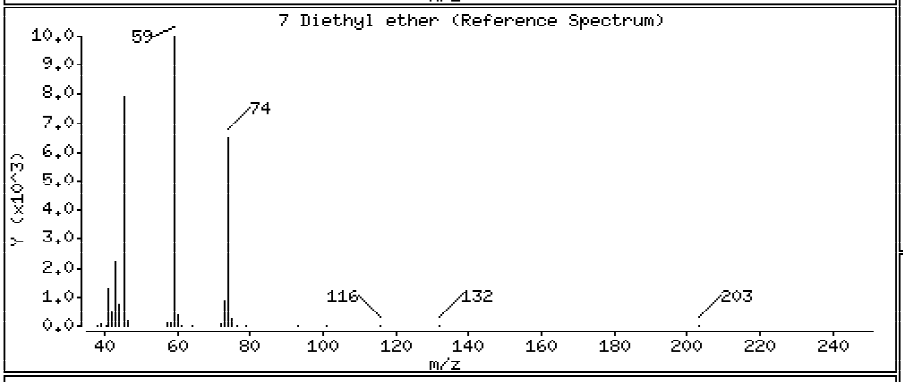
7 Diethyl ether Concentration: 53.3 ppb

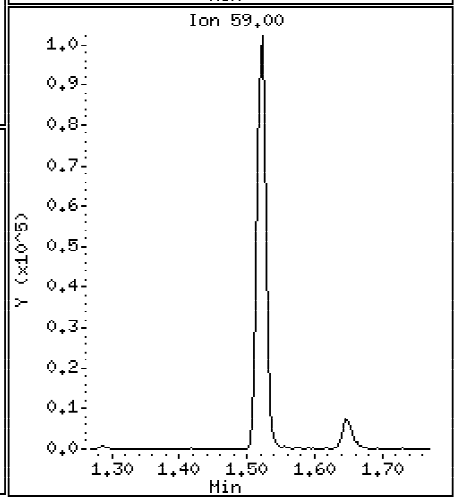


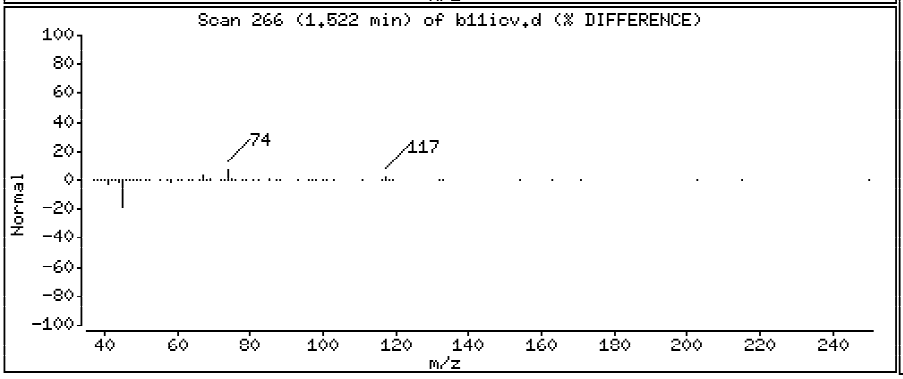












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 12

Date : 02-MAY-2014 16:27

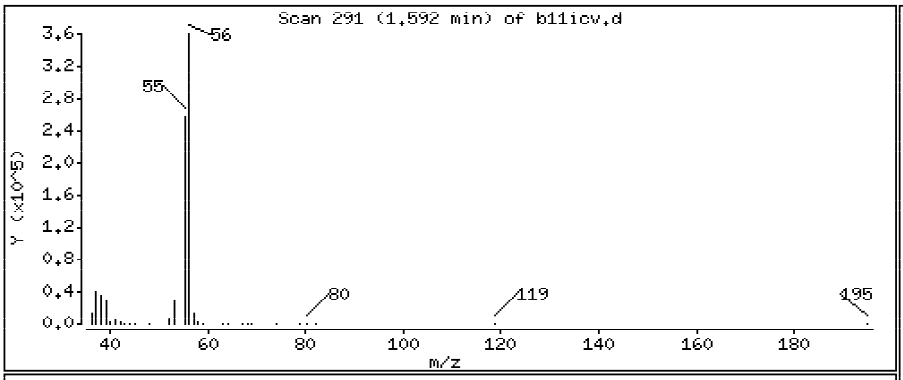
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

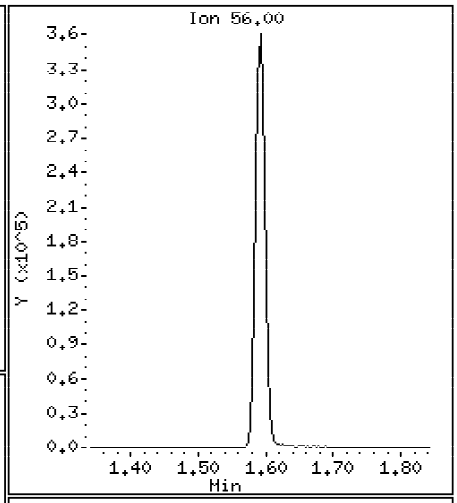
Sample Info: 8260-ICV,65556:0

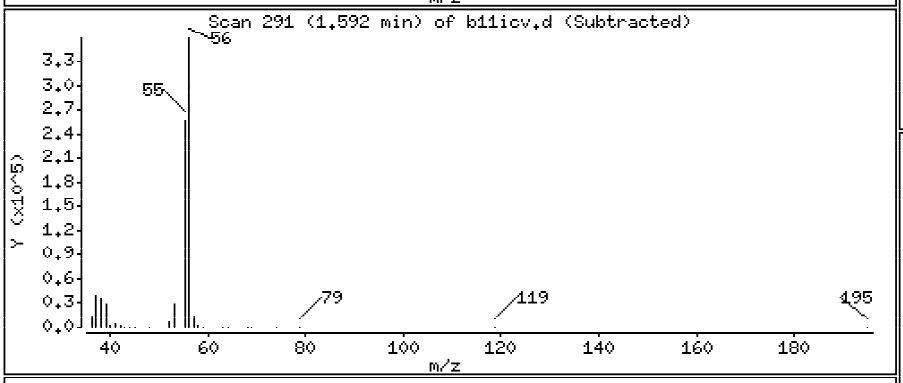
Purge Volume: 5.0 Operator: dae

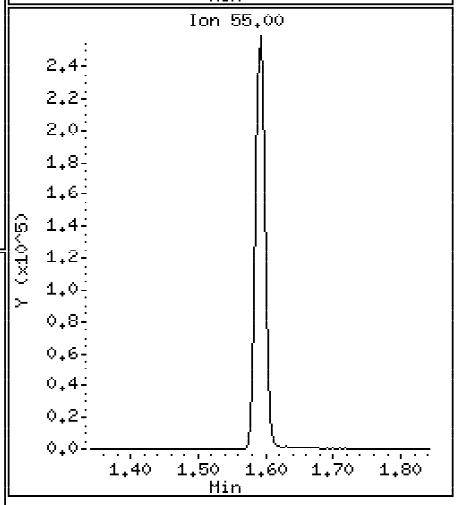
Column phase: DB-624 Column diameter: 0.18

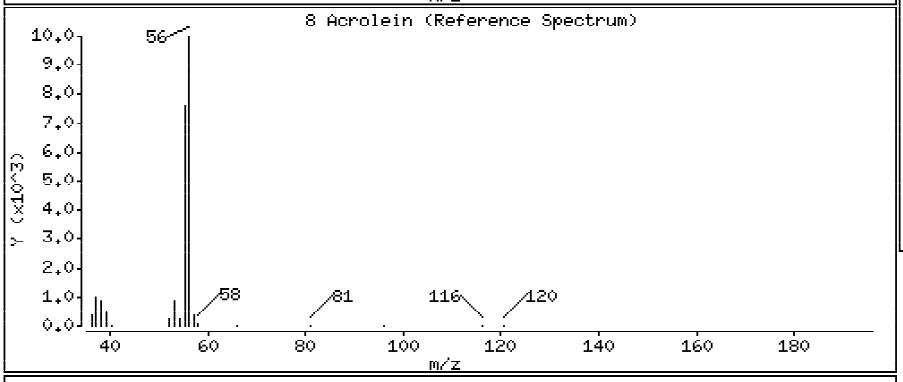
8 Acrolein Concentration: 1120 ppb

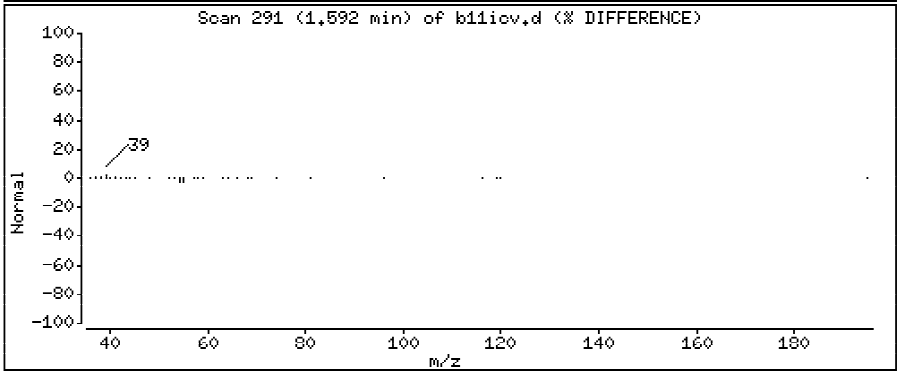












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 13

Date : 02-MAY-2014 16:27

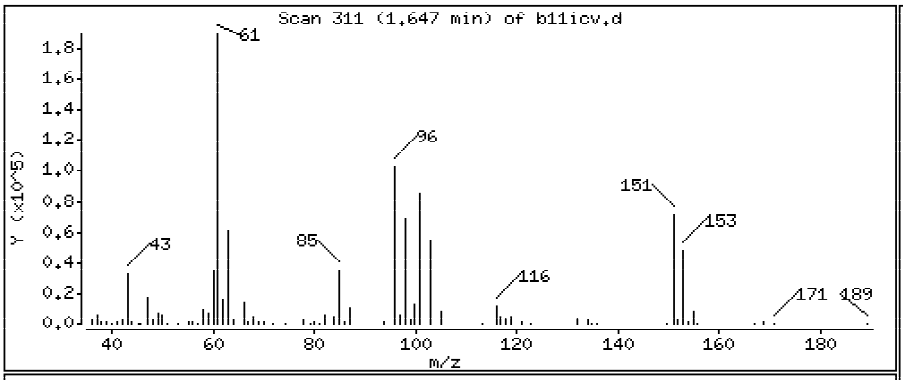
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

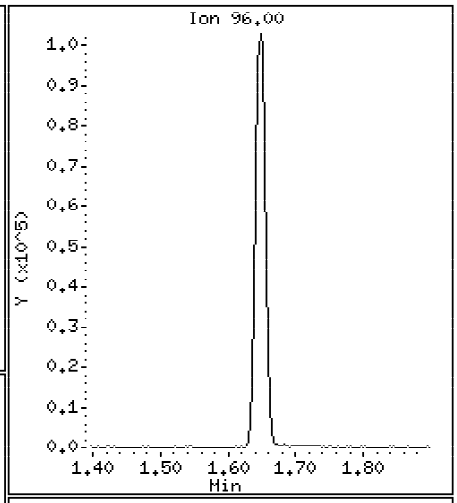
Sample Info: 8260-ICV,65556:0

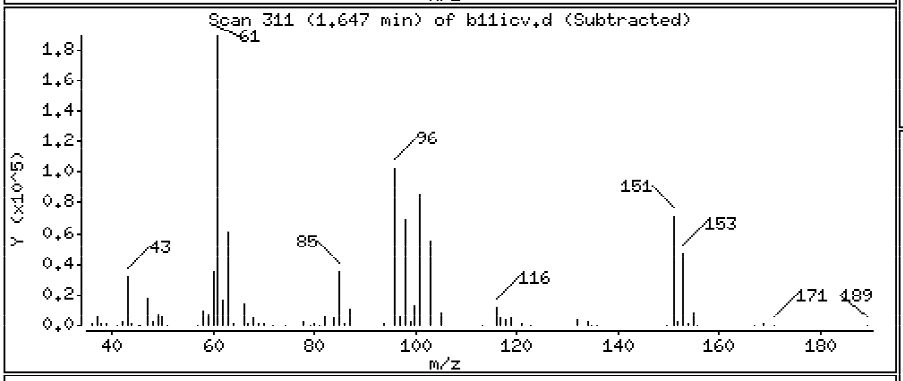
Purge Volume: 5.0 Operator: dae

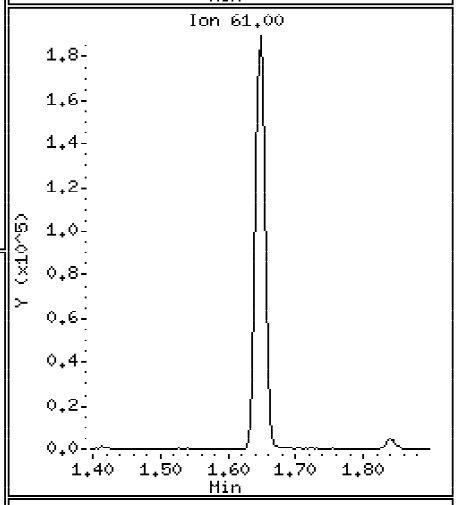
Column phase: DB-624 Column diameter: 0.18

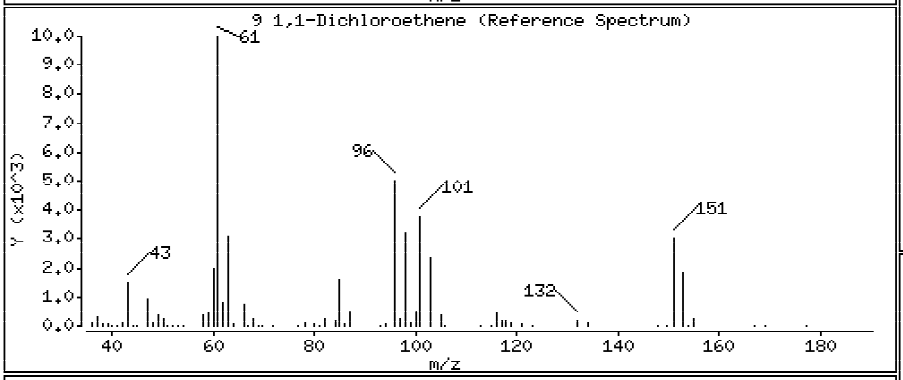
9 1,1-Dichloroethene Concentration: 50.8 ppb

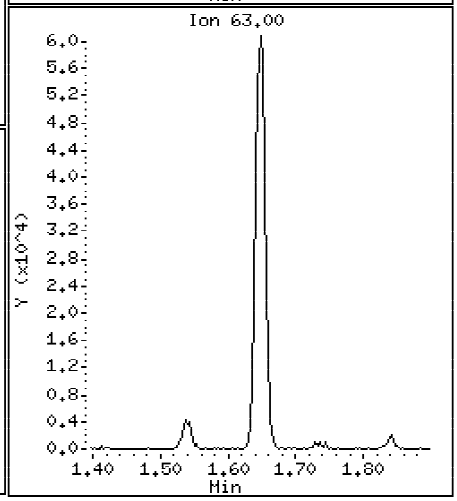


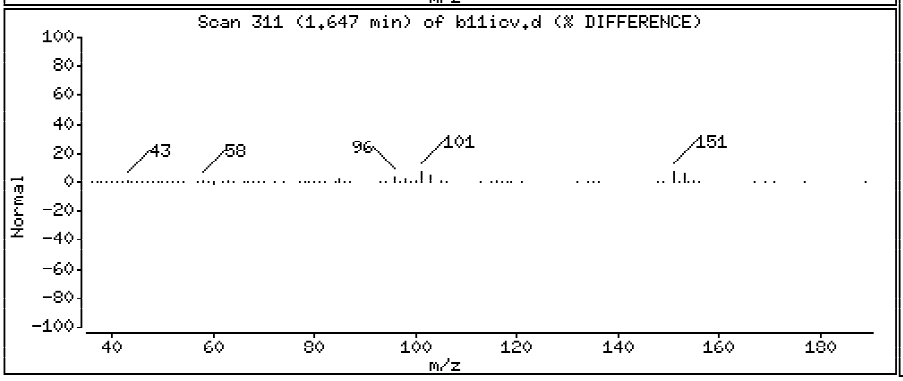












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 14

Date : 02-MAY-2014 16:27

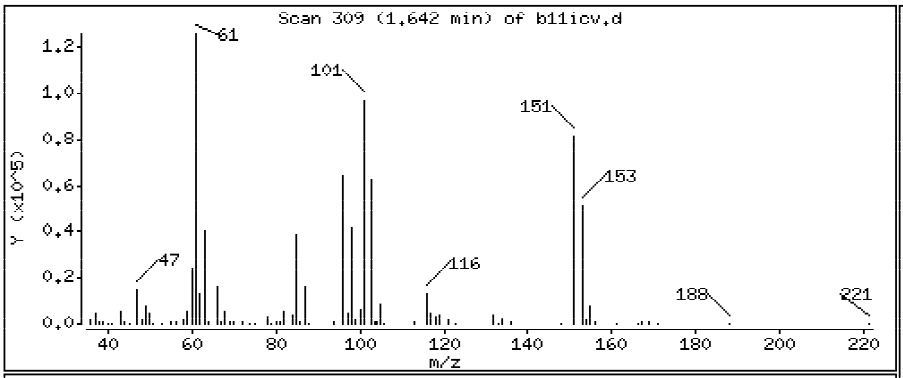
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

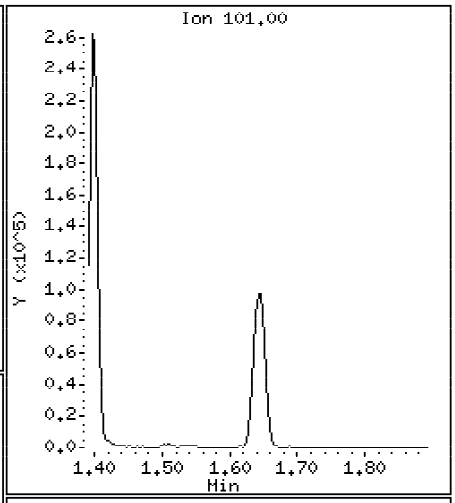
Sample Info: 8260-ICV,65556:0

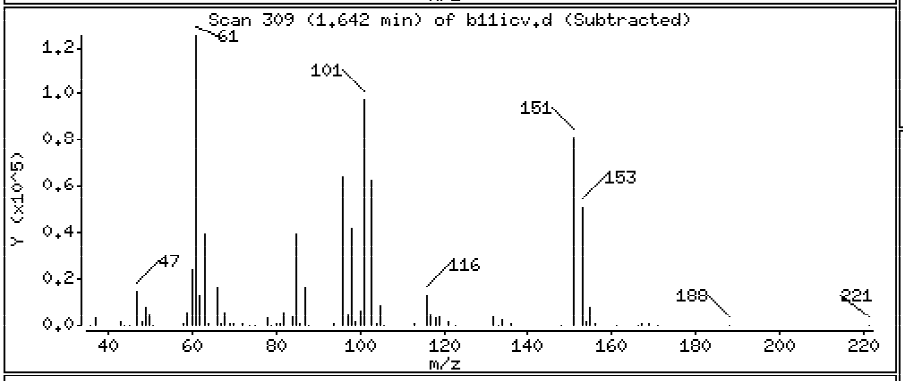
Purge Volume: 5.0 Operator: dae

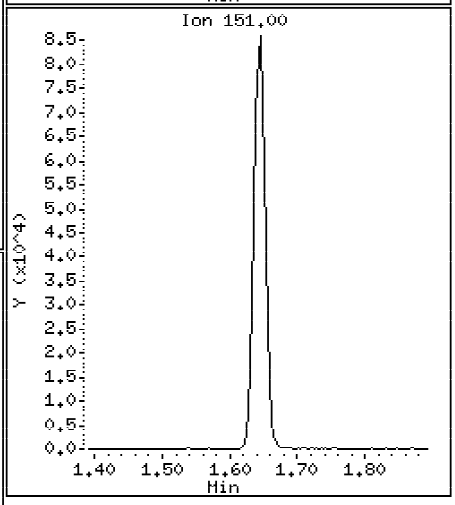
Column phase: DB-624 Column diameter: 0.18

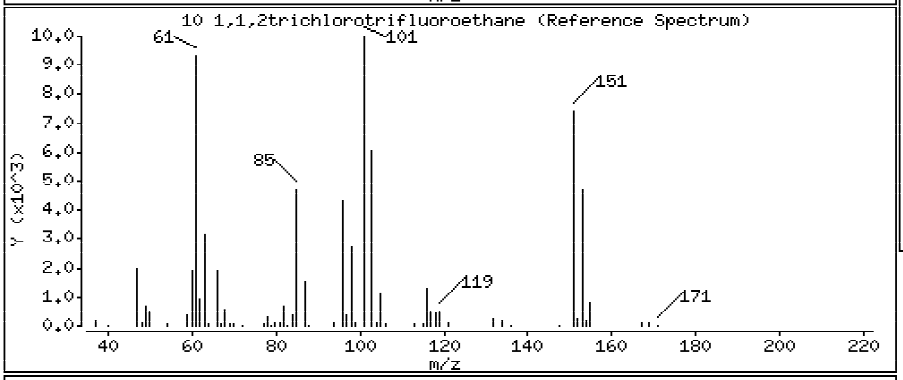
10 1,1,2trichlorotrifluoroethane Concentration: 49.6 ppb

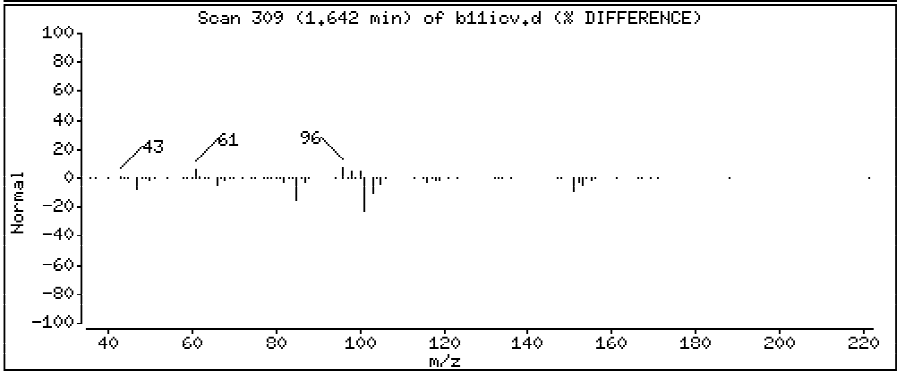












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 15

Date : 02-MAY-2014 16:27

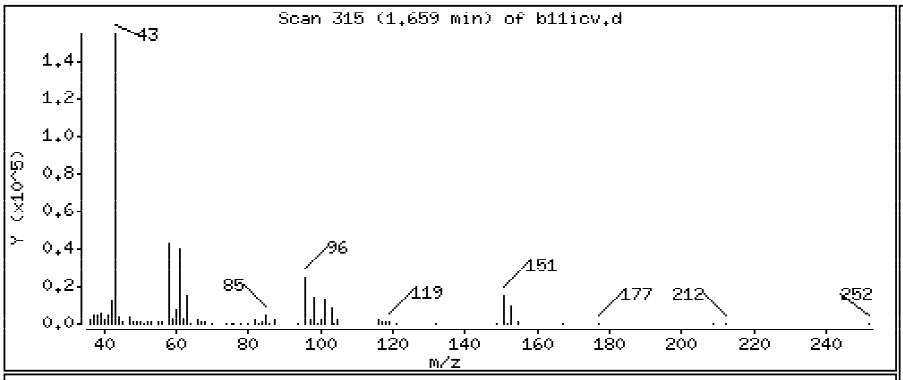
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

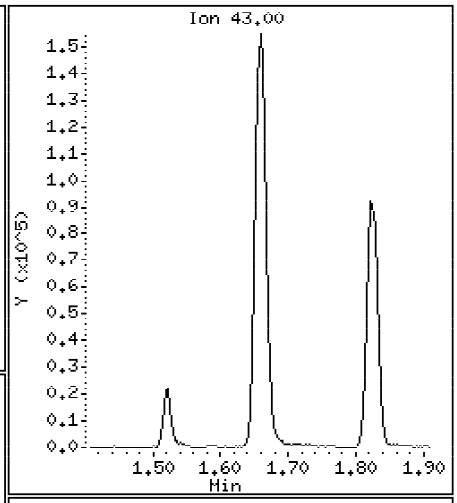
Sample Info: 8260-ICV,65556:0

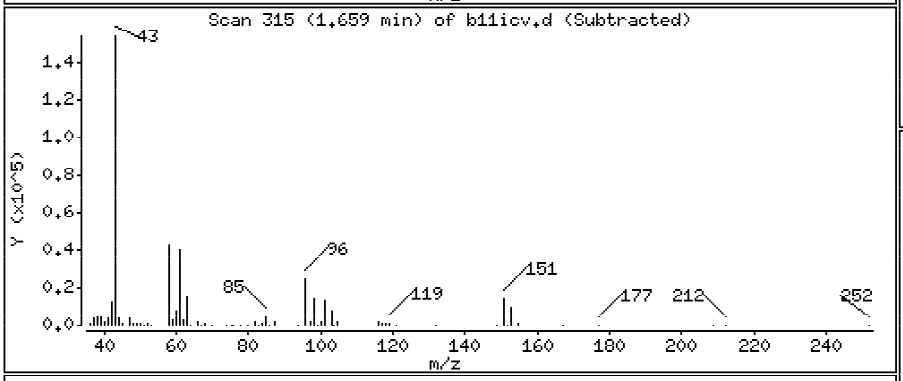
Purge Volume: 5.0 Operator: dae

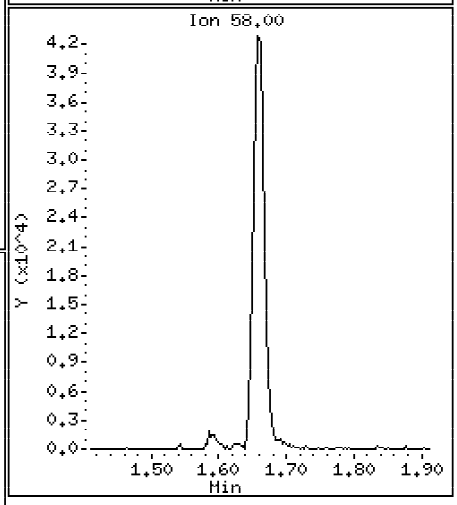
Column phase: DB-624 Column diameter: 0.18

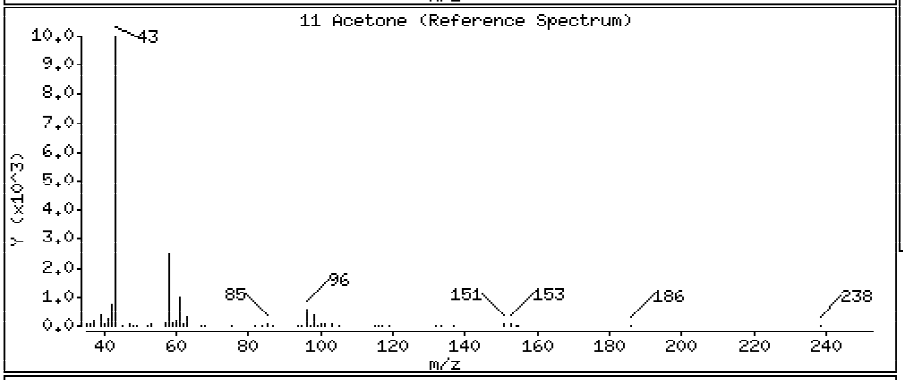
11 Acetone Concentration: 280 ppb

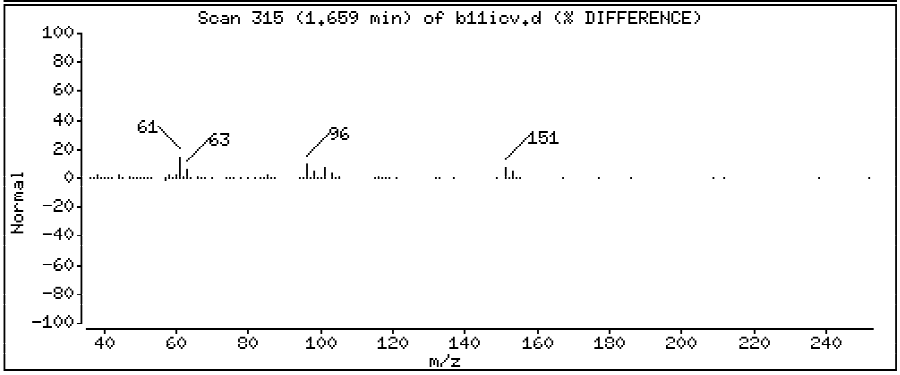












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 16

Date : 02-MAY-2014 16:27

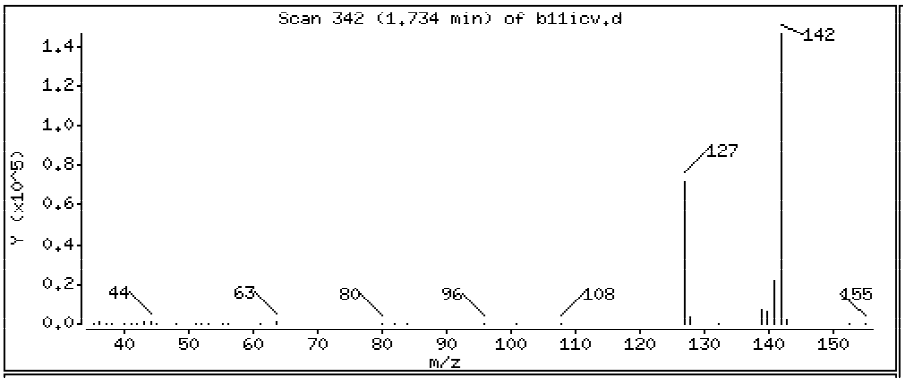
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

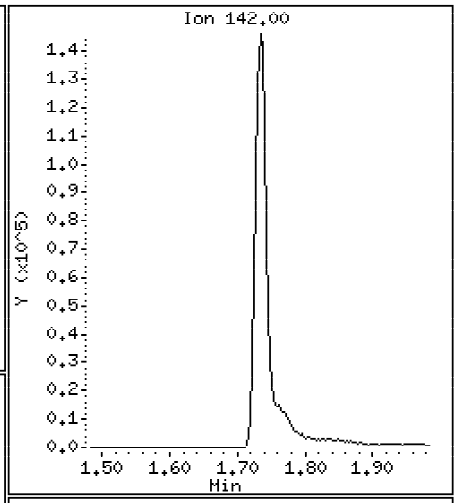
Sample Info: 8260-ICV,65556:0

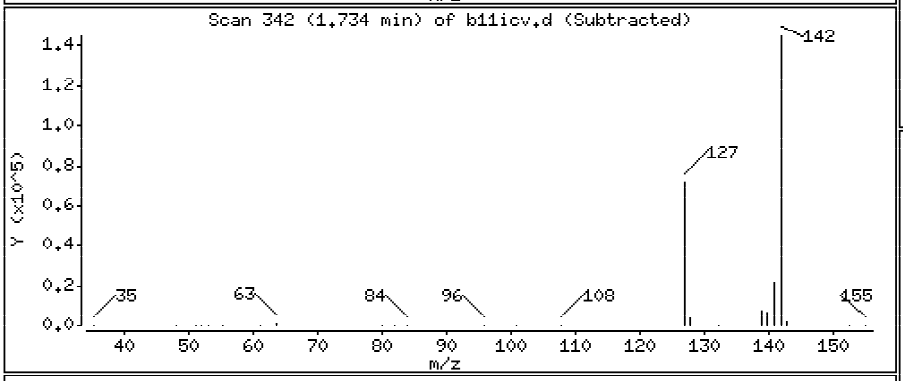
Purge Volume: 5.0 Operator: dae

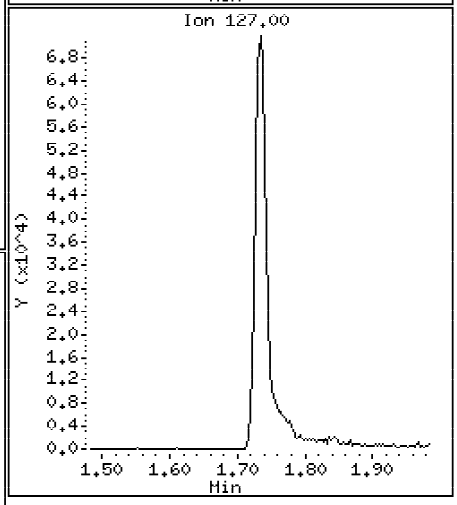
Column phase: DB-624 Column diameter: 0.18

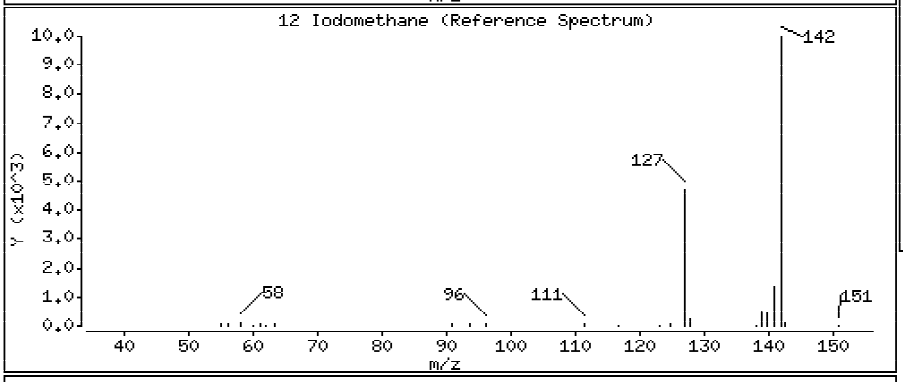
12 Iodomethane Concentration: 95.3 ppb

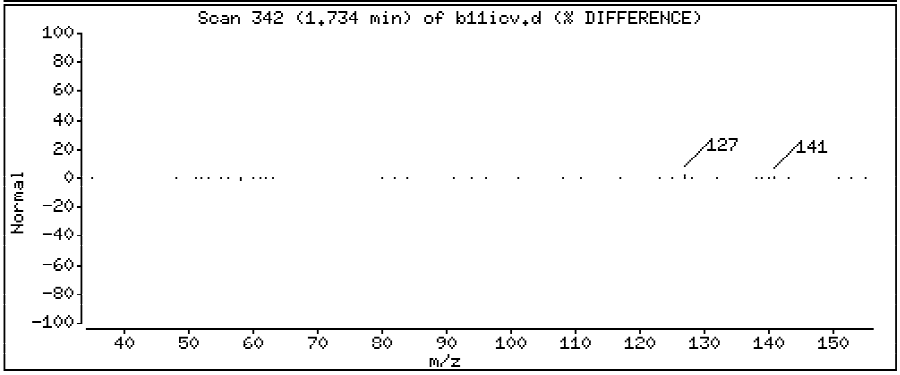












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 17

Date : 02-MAY-2014 16:27

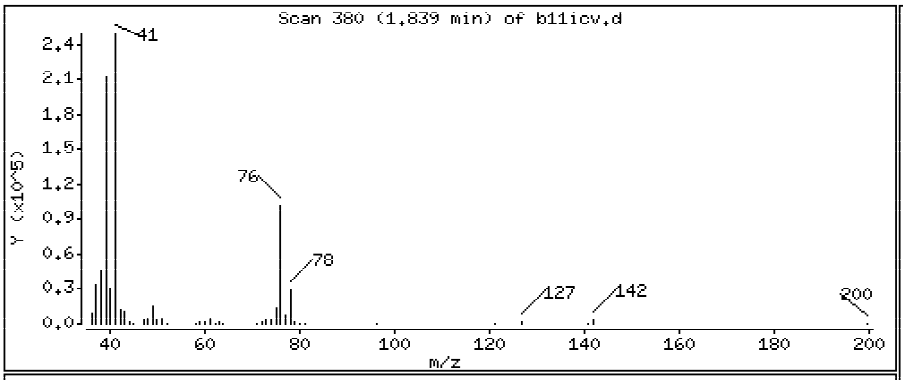
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

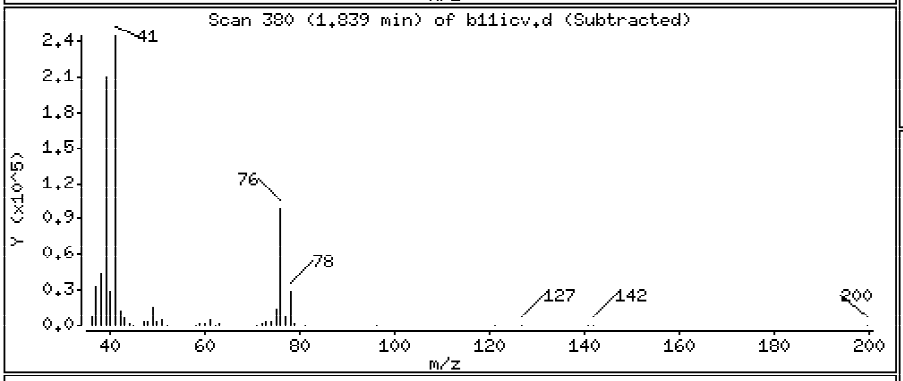
Sample Info: 8260-ICV,65556:0

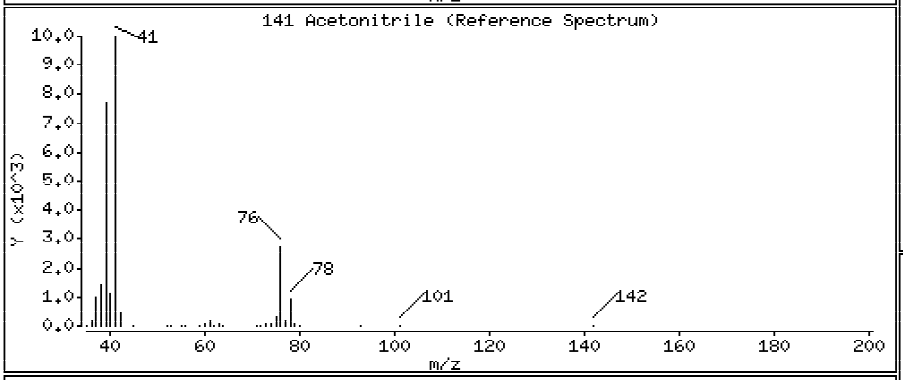
Purge Volume: 5.0 Operator: dae

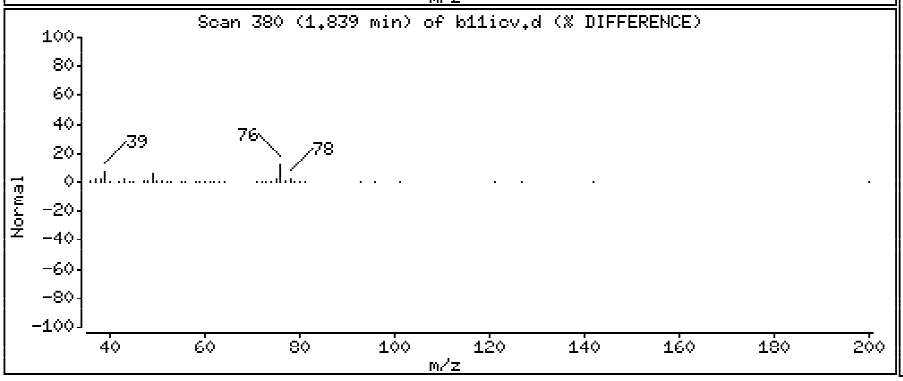
Column phase: DB-624 Column diameter: 0.18

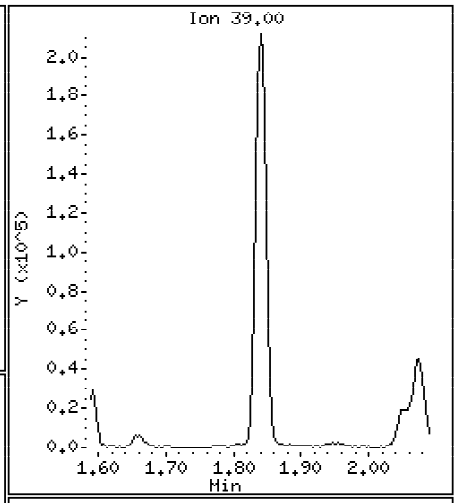
141 Acetonitrile Concentration: 47.6 ppb

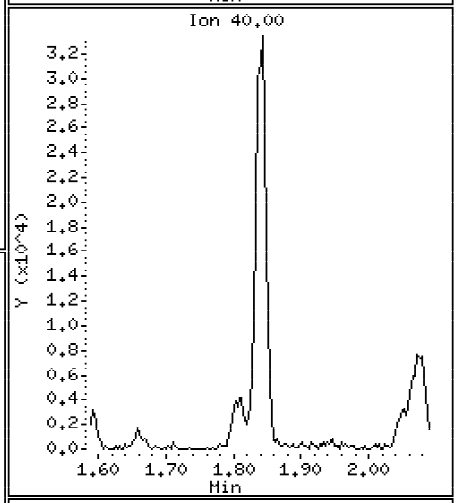


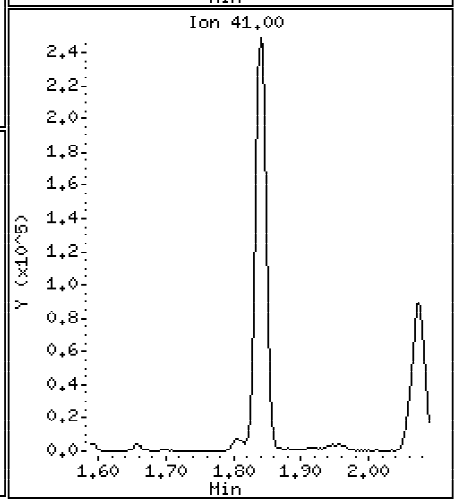












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 18

Date : 02-MAY-2014 16:27

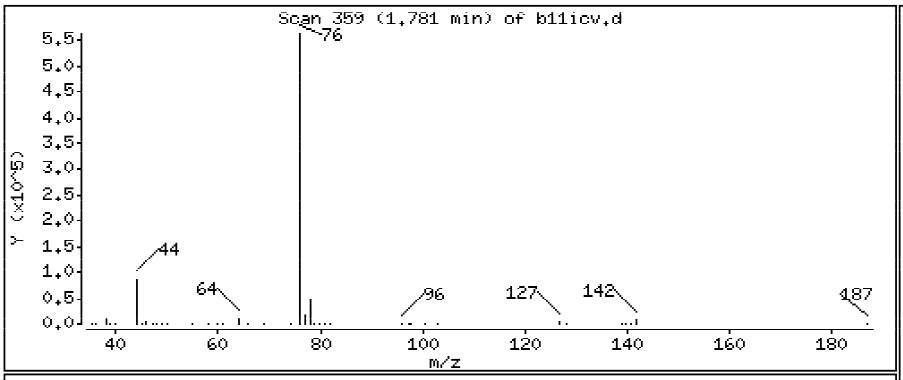
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

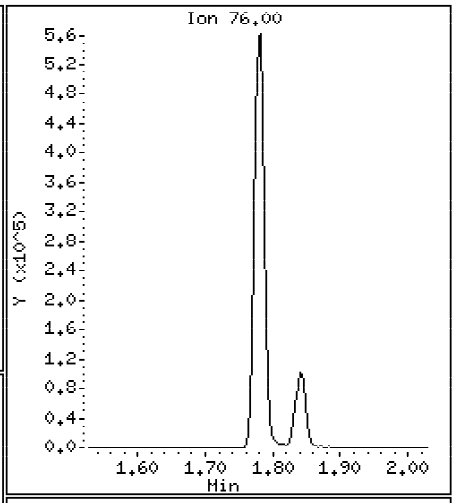
Sample Info: 8260-ICV,65556:0

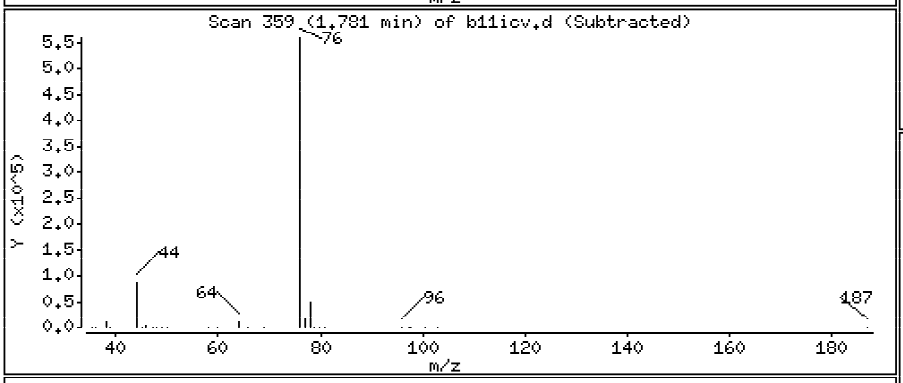
Purge Volume: 5.0 Operator: dae

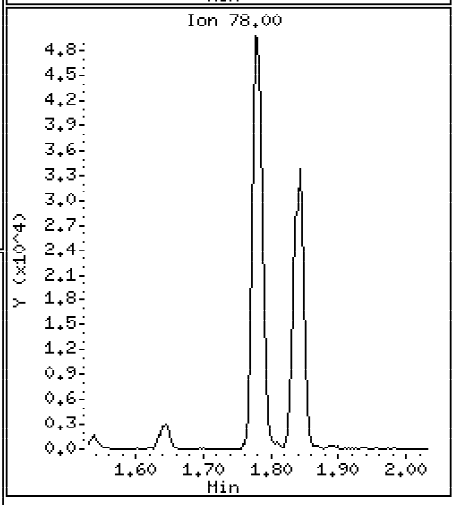
Column phase: DB-624 Column diameter: 0.18

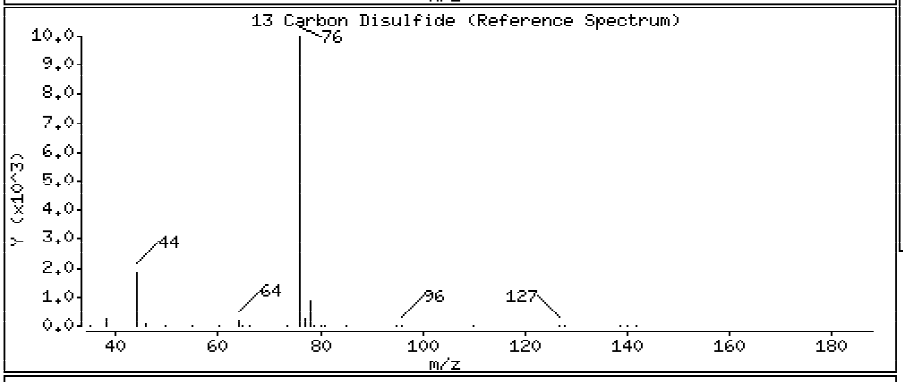
13 Carbon Disulfide Concentration: 103 ppb

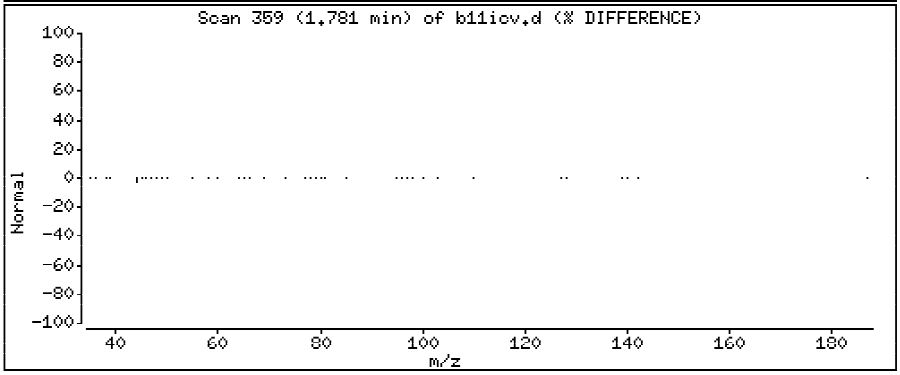












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 19

Date : 02-MAY-2014 16:27

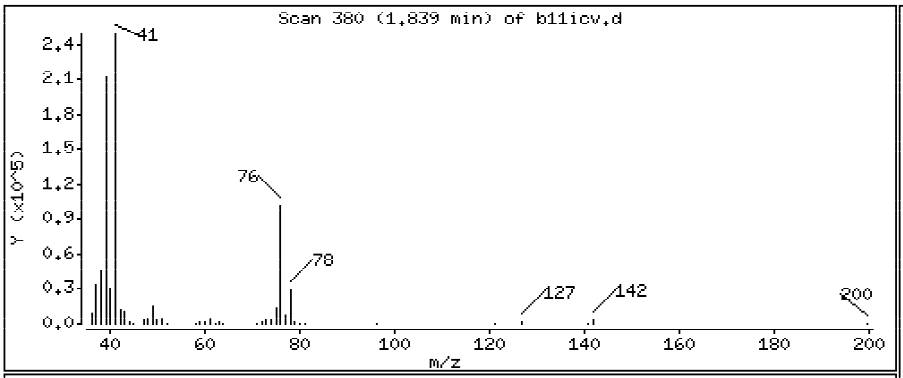
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

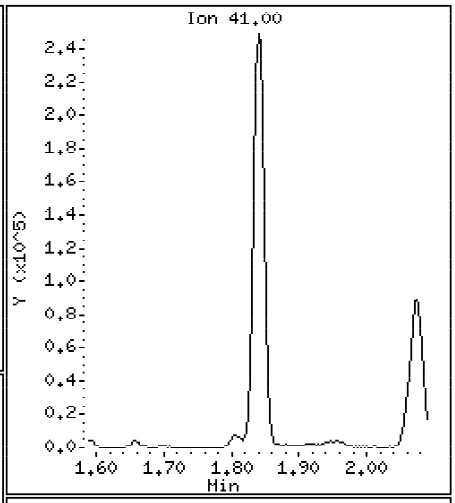
Sample Info: 8260-ICV,65556:0

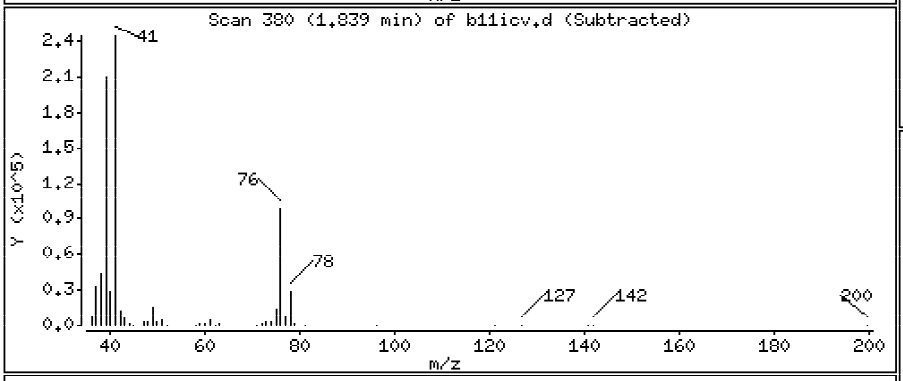
Purge Volume: 5.0 Operator: dae

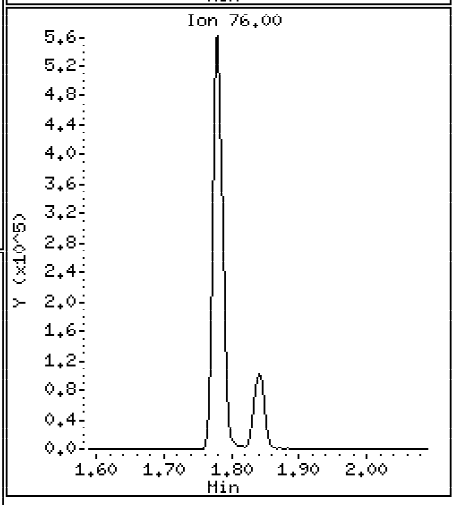
Column phase: DB-624 Column diameter: 0.18

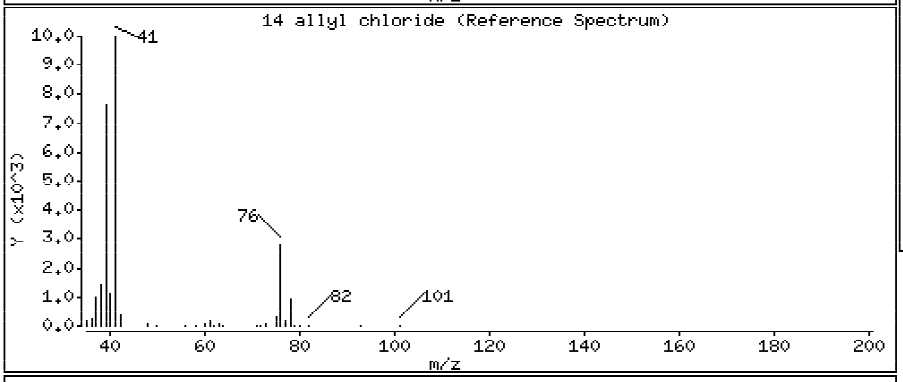
14 allyl chloride Concentration: 97.0 ppb

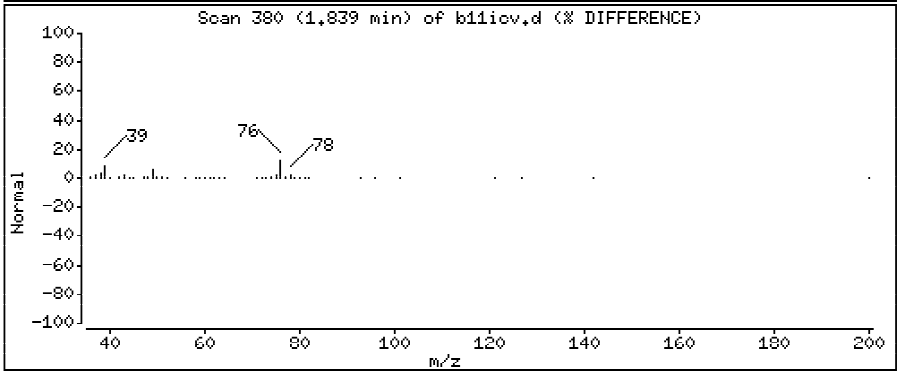












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 20

Date : 02-MAY-2014 16:27

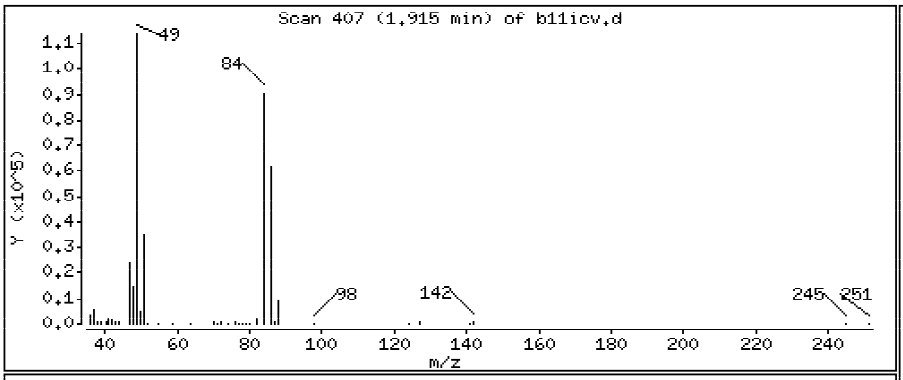
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

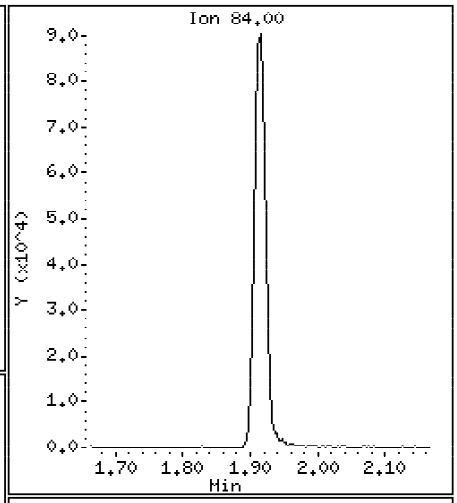
Sample Info: 8260-ICV,65556:0

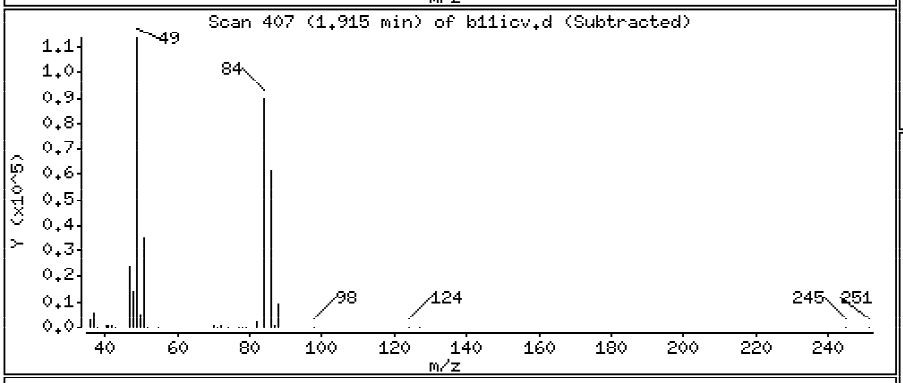
Purge Volume: 5.0 Operator: dae

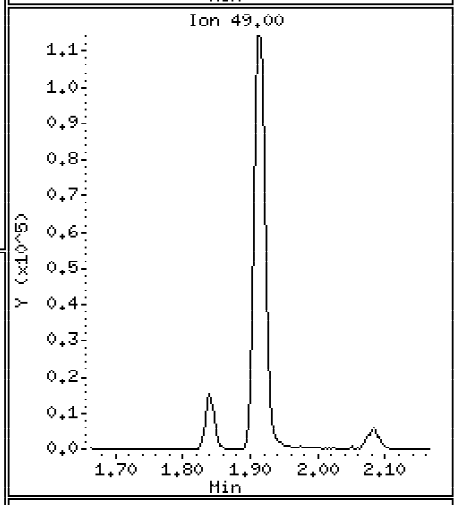
Column phase: DB-624 Column diameter: 0.18

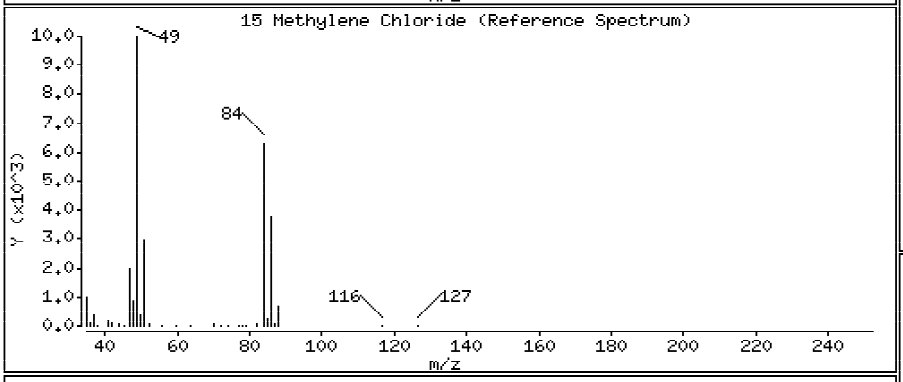
15 Methylene Chloride Concentration: 53.5 ppb

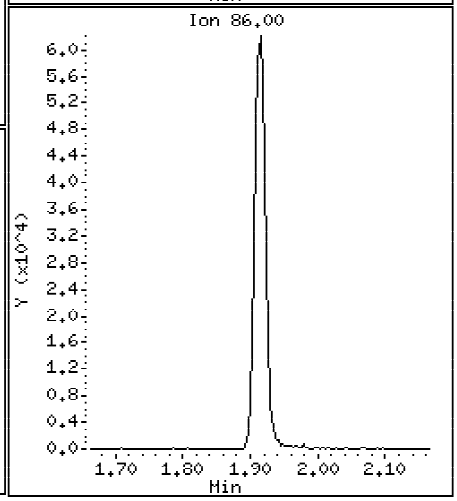


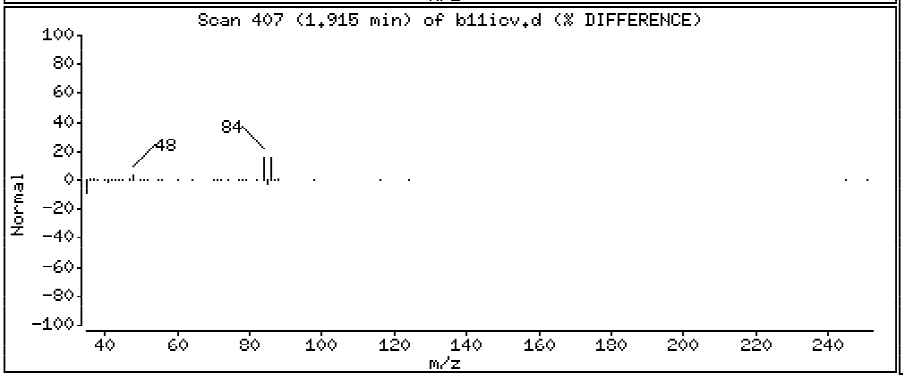












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 21

Date : 02-MAY-2014 16:27

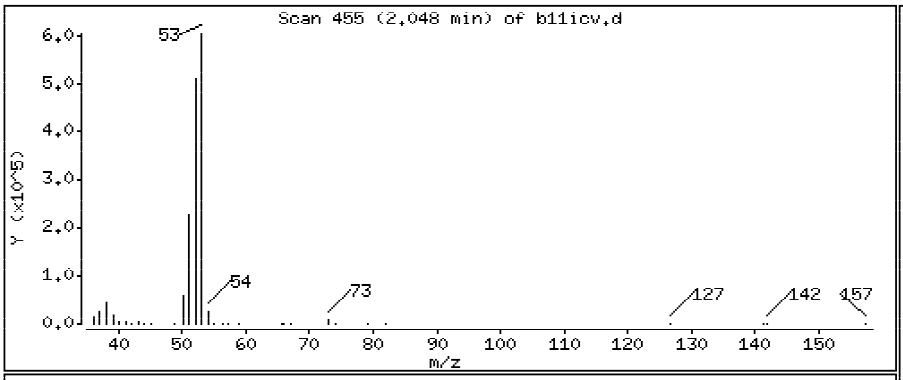
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

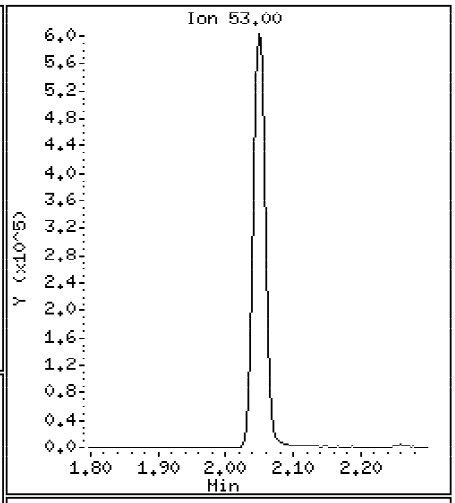
Sample Info: 8260-ICV,65556:0

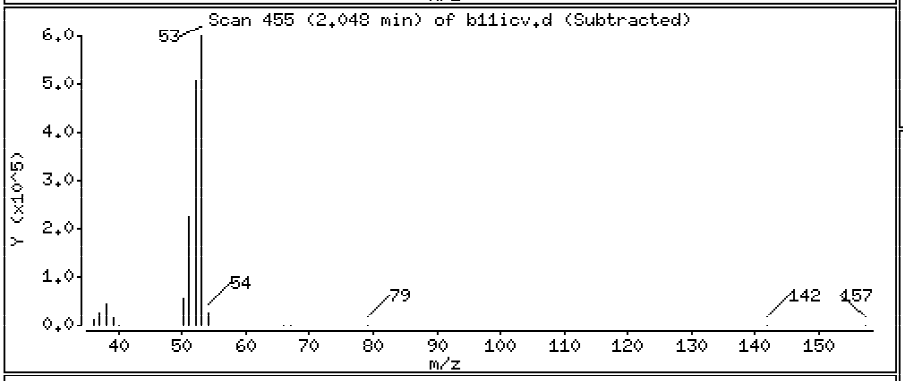
Purge Volume: 5.0 Operator: dae

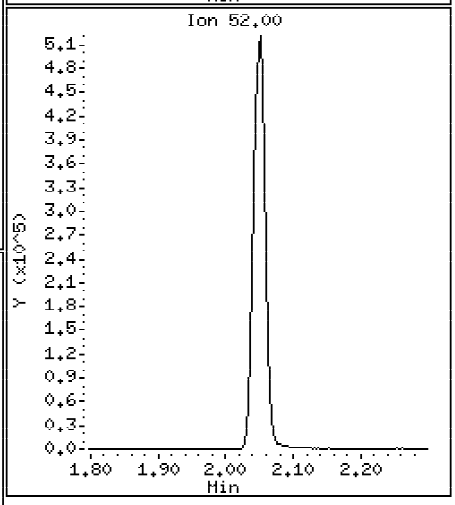
Column phase: DB-624 Column diameter: 0.18

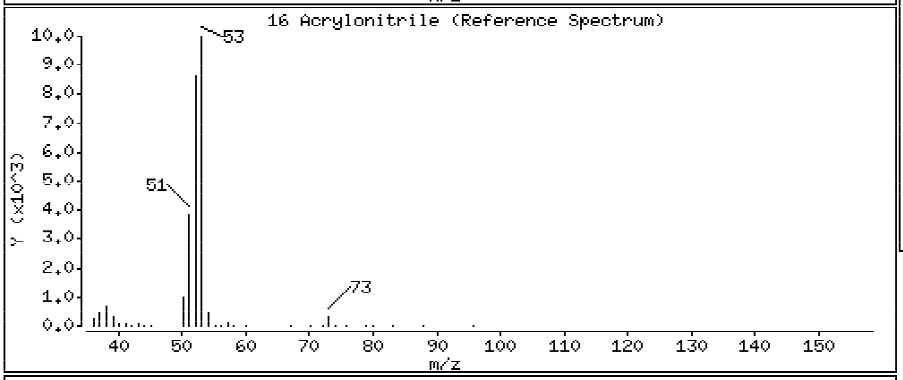
16 Acrylonitrile Concentration: 919 ppb

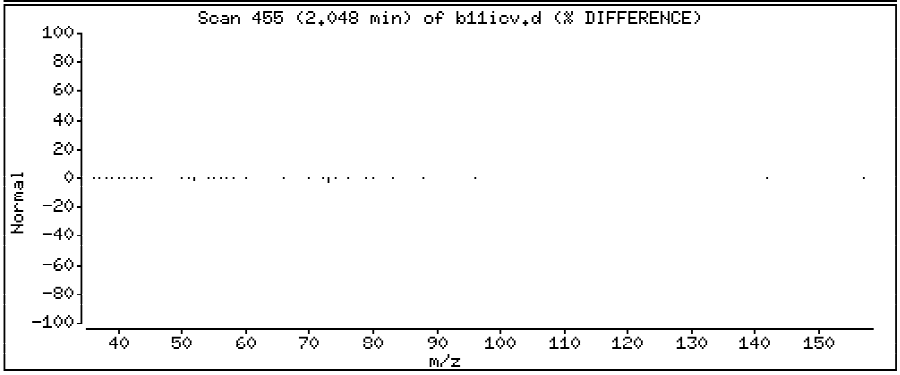












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 22

Date : 02-MAY-2014 16:27

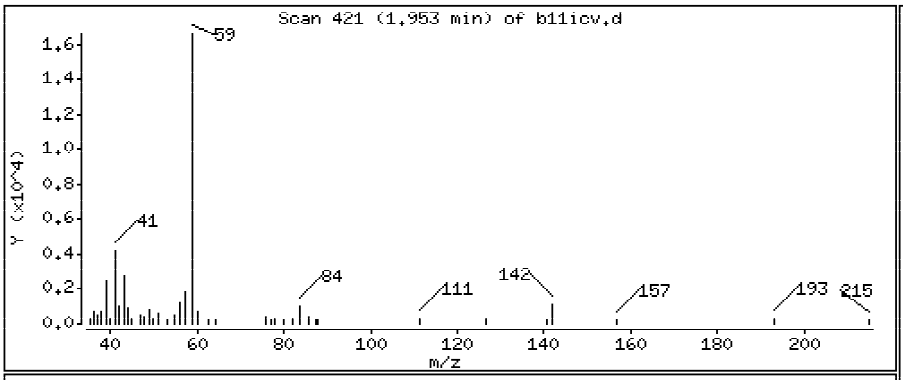
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

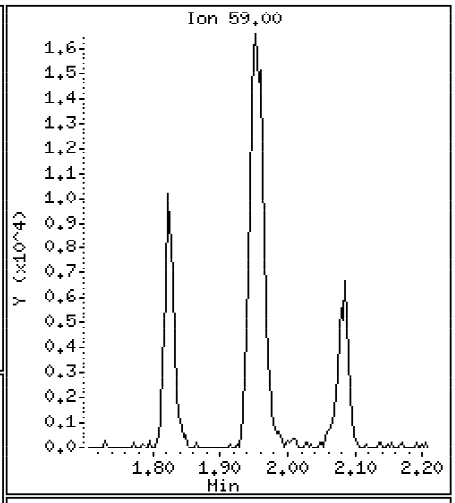
Sample Info: 8260-ICV,65556:0

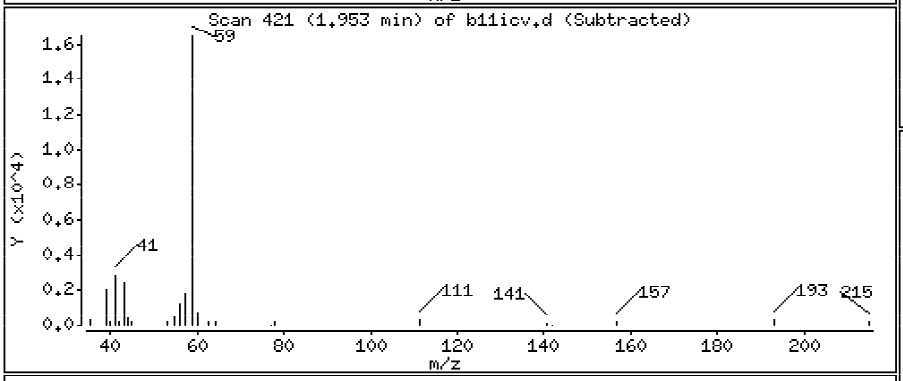
Purge Volume: 5.0 Operator: dae

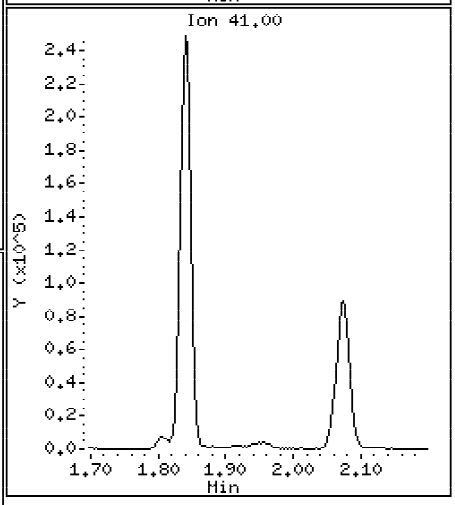
Column phase: DB-624 Column diameter: 0.18

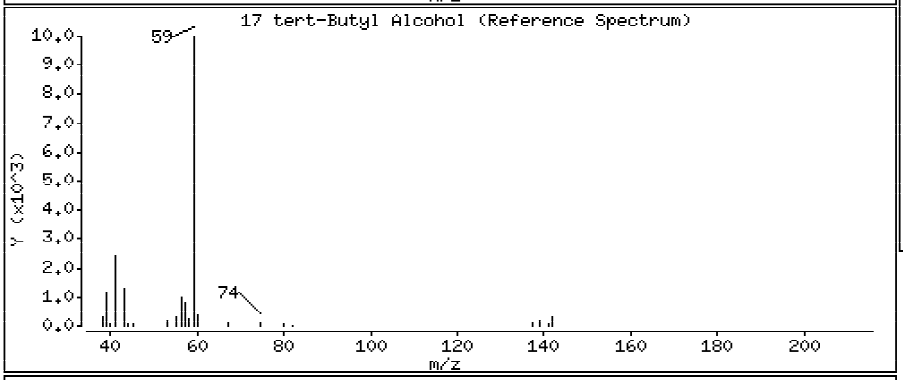
17 tert-Butyl Alcohol Concentration: 101 ppb

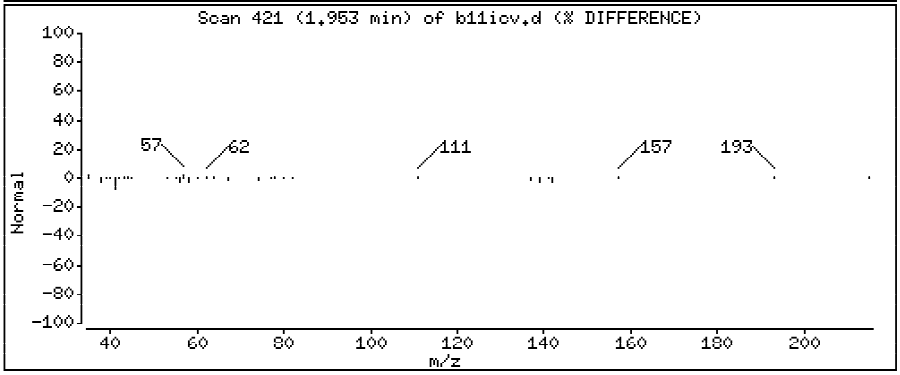












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 23

Date : 02-MAY-2014 16:27

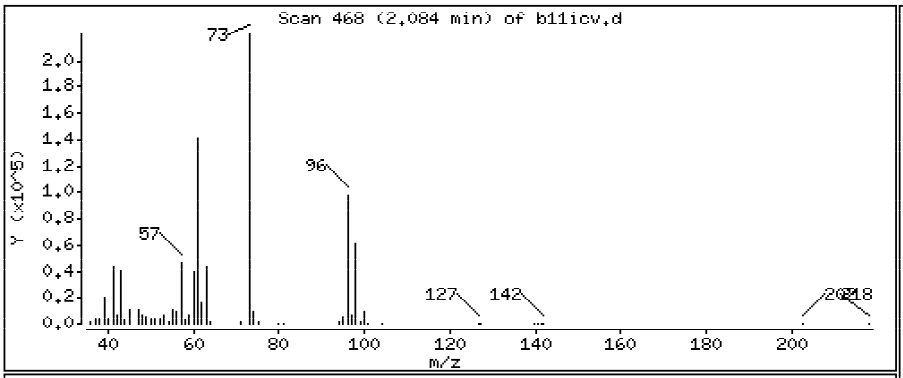
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

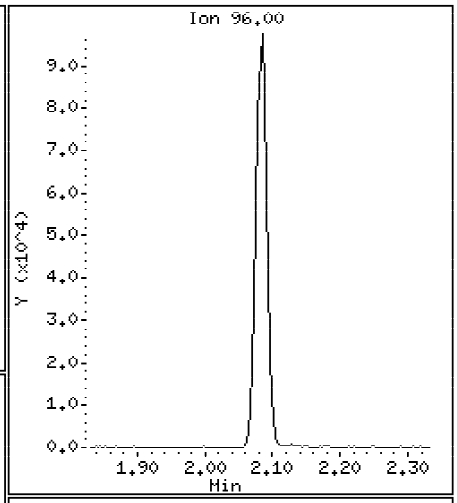
Sample Info: 8260-ICV,65556:0

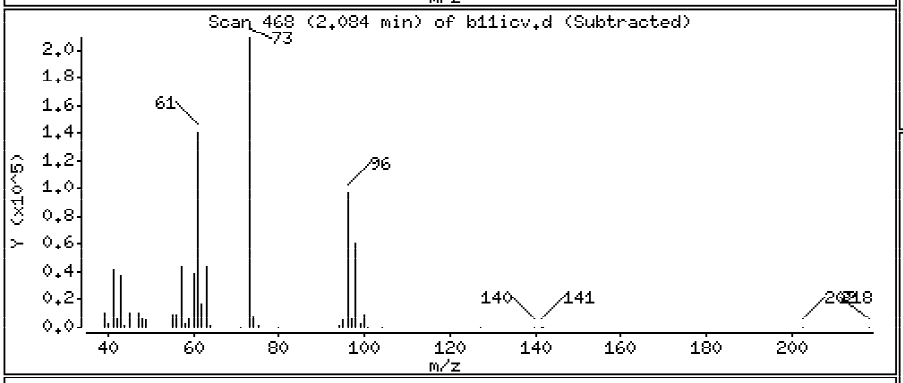
Purge Volume: 5.0 Operator: dae

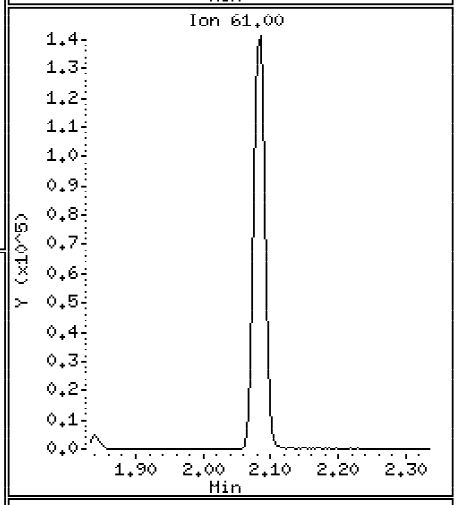
Column phase: DB-624 Column diameter: 0.18

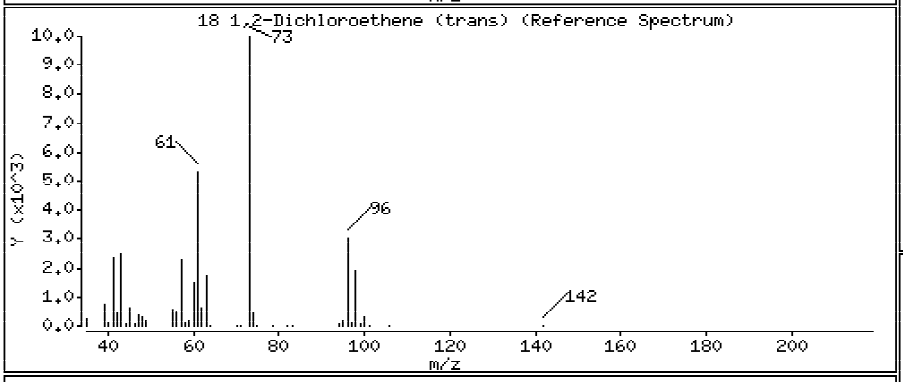
18 1,2-Dichloroethene (trans) Concentration: 49.1 ppb

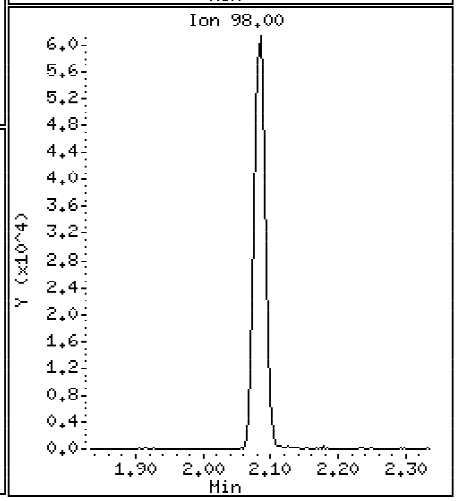


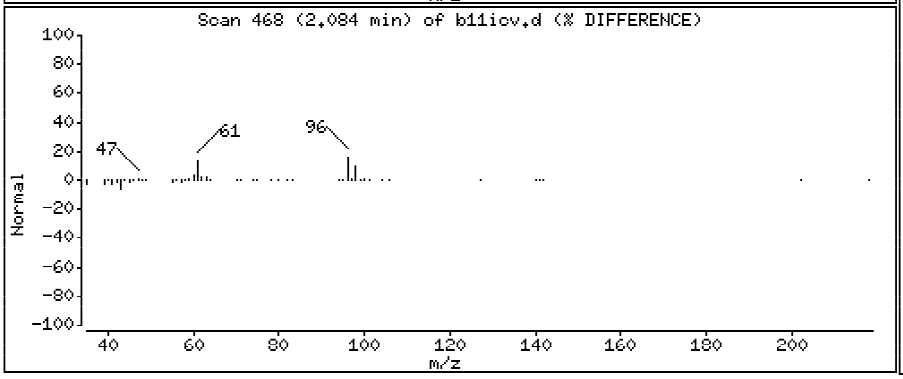












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 24

Date : 02-MAY-2014 16:27

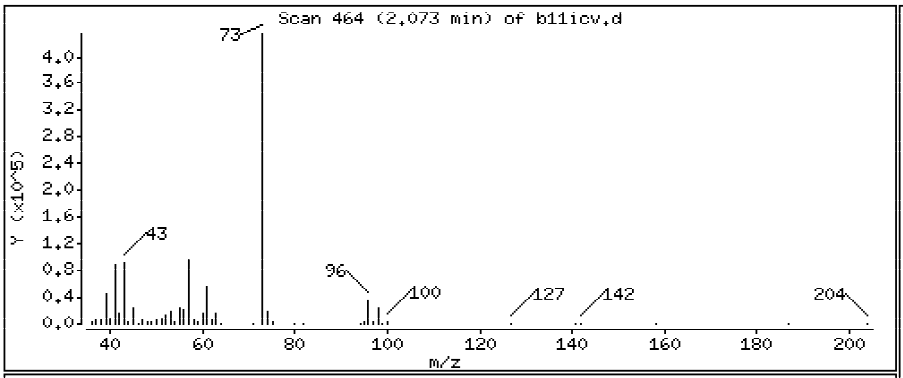
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

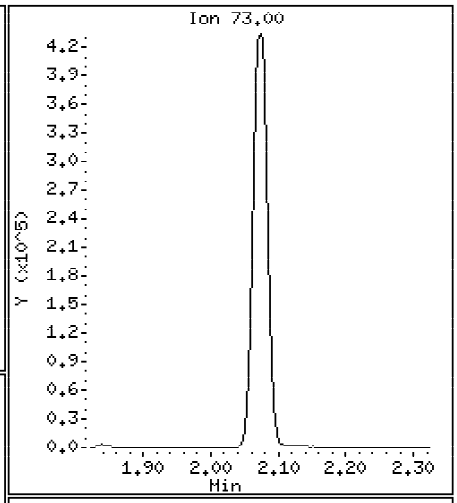
Sample Info: 8260-ICV,65556:0

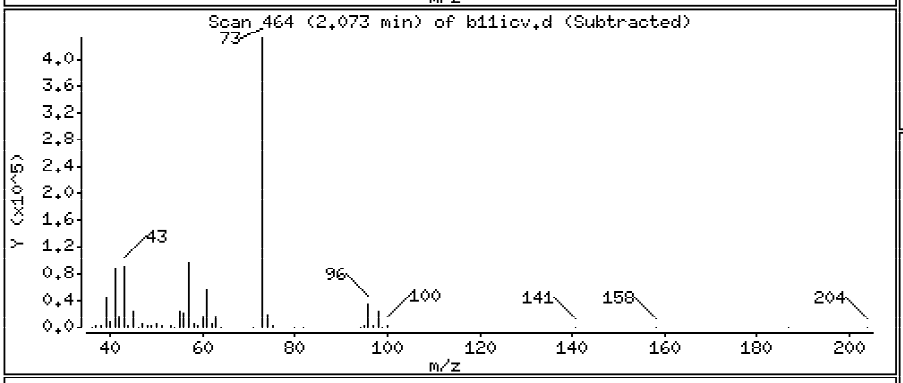
Purge Volume: 5.0 Operator: dae

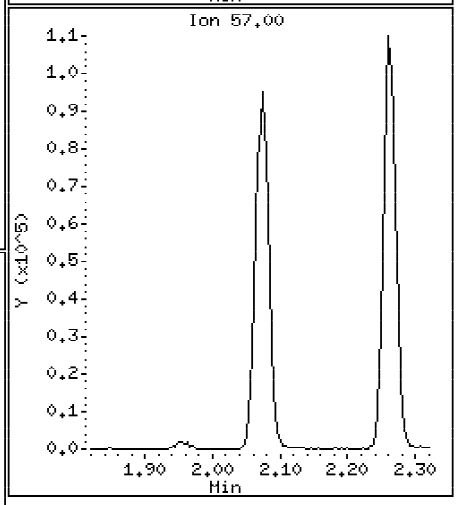
Column phase: DB-624 Column diameter: 0.18

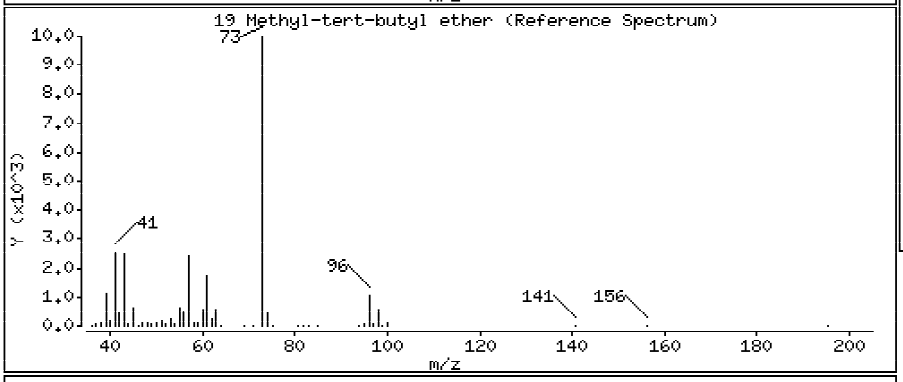
19 Methyl-tert-butyl ether Concentration: 103 ppb

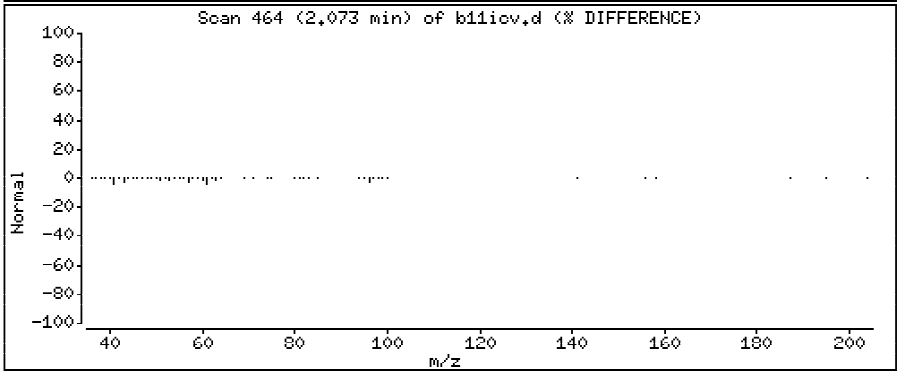












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 25

Date : 02-MAY-2014 16:27

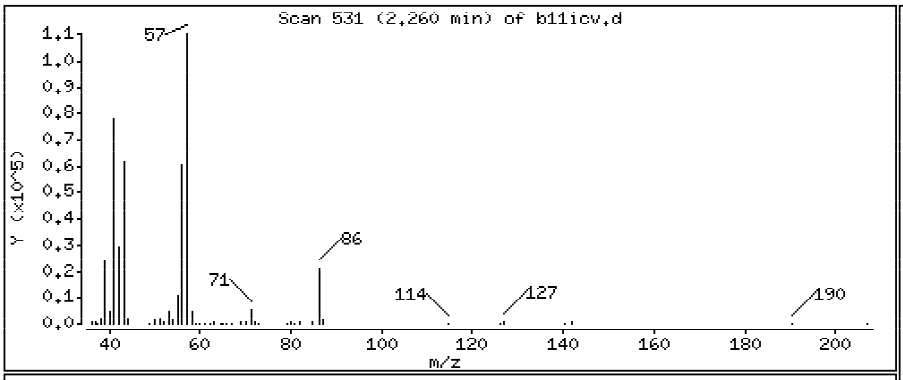
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

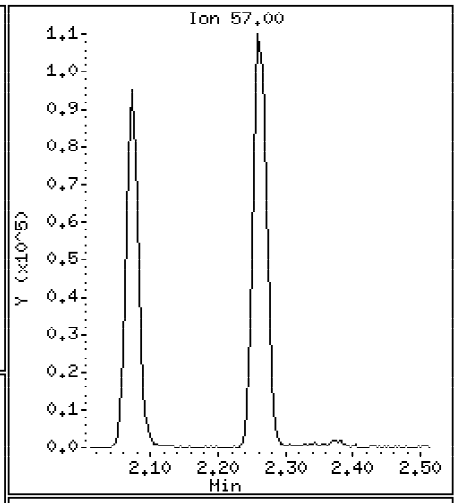
Sample Info: 8260-ICV,65556:0

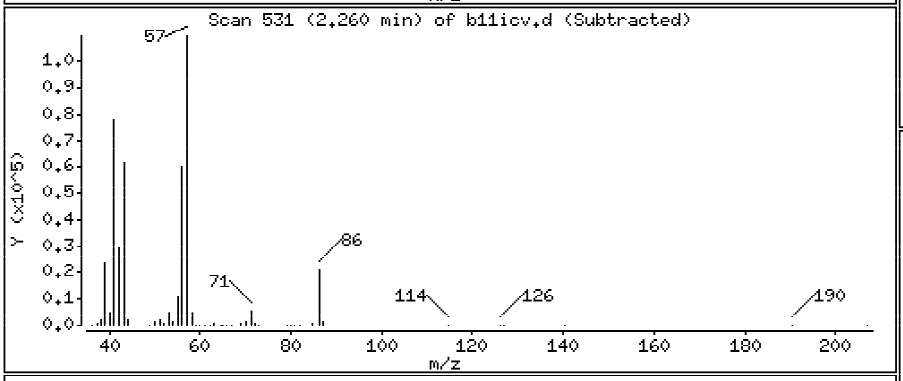
Purge Volume: 5.0 Operator: dae

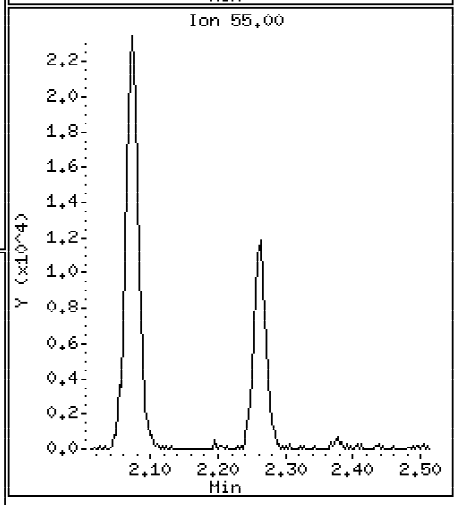
Column phase: DB-624 Column diameter: 0.18

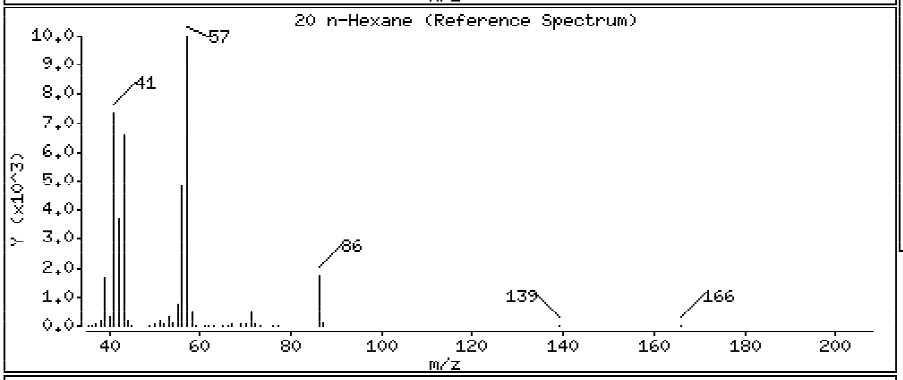
20 n-Hexane Concentration: 46.7 ppb

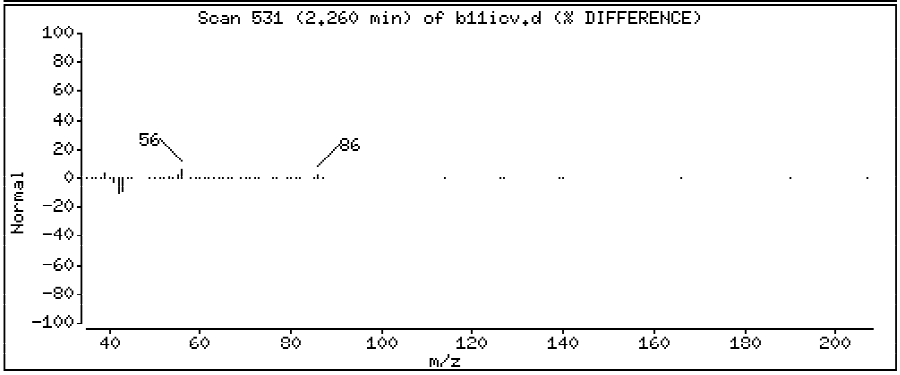












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 26

Date : 02-MAY-2014 16:27

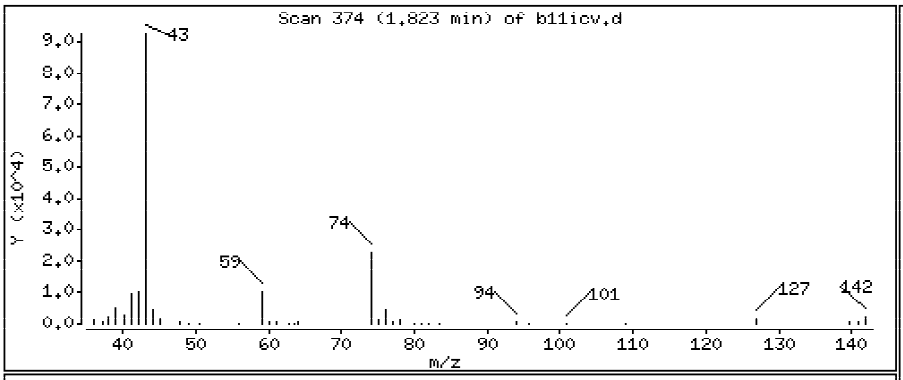
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

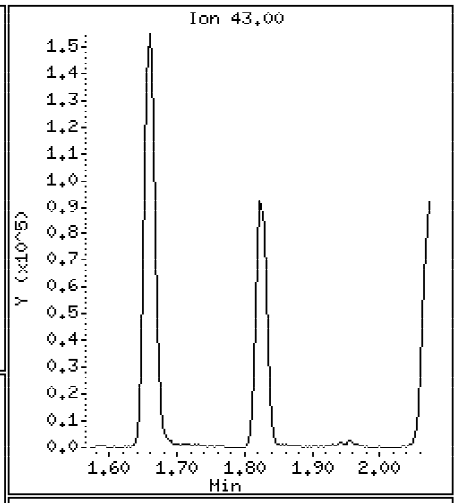
Sample Info: 8260-ICV,65556:0

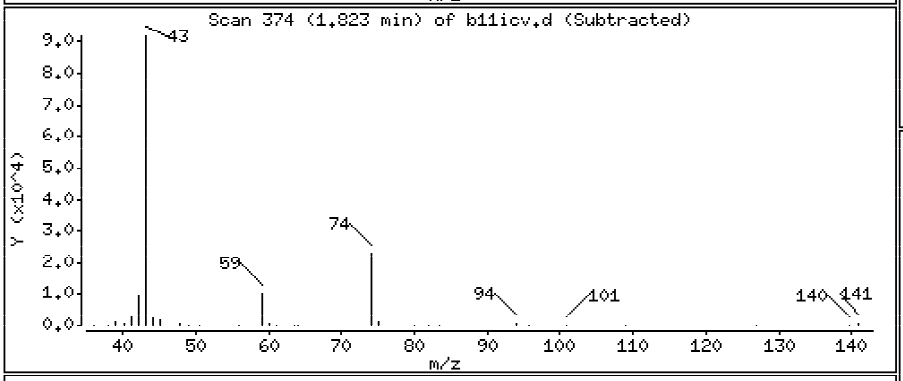
Purge Volume: 5.0 Operator: dae

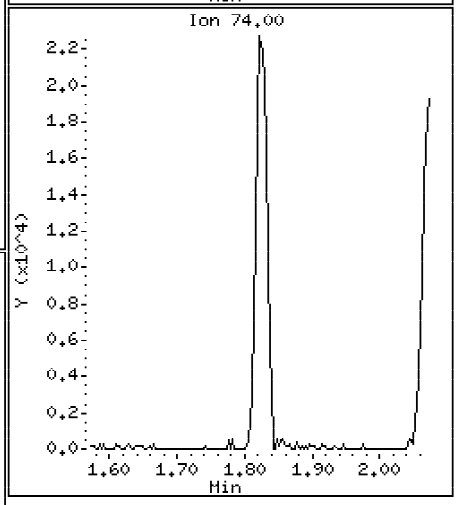
Column phase: DB-624 Column diameter: 0.18

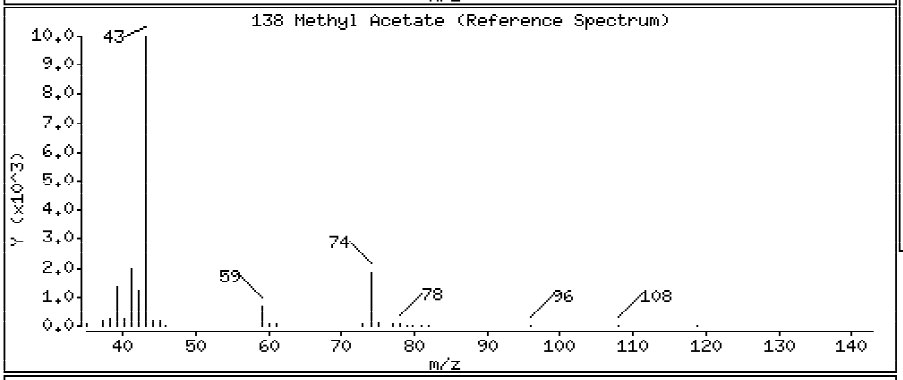
138 Methyl Acetate Concentration: 55.4 ppb

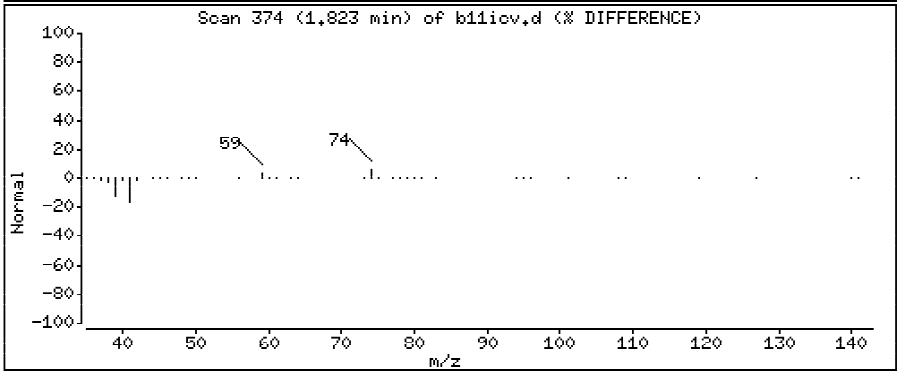












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 27

Date : 02-MAY-2014 16:27

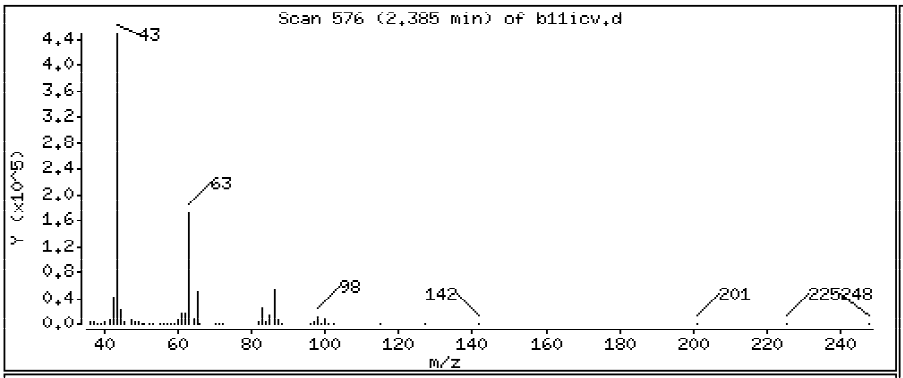
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

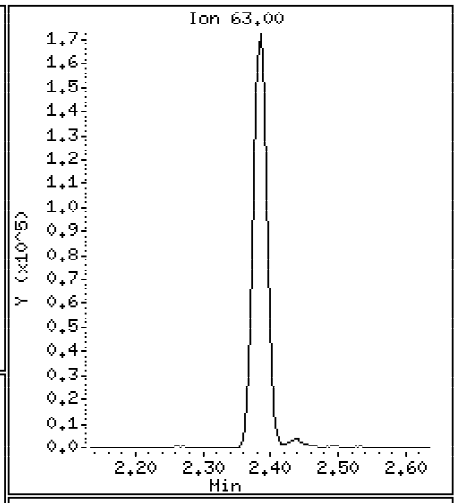
Sample Info: 8260-ICV,65556:0

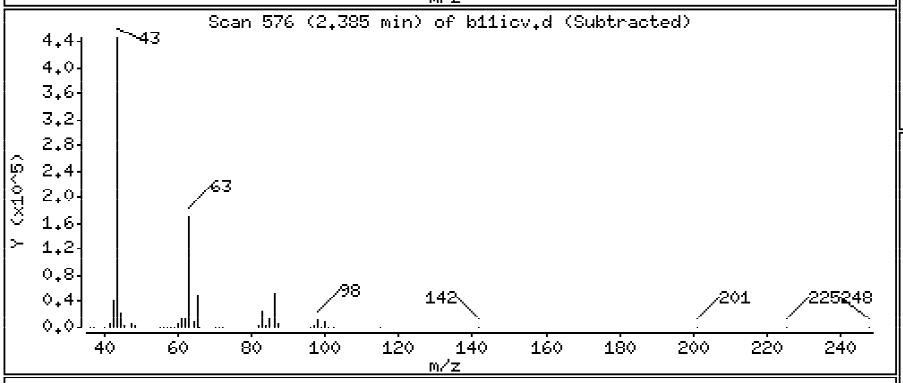
Purge Volume: 5.0 Operator: dae

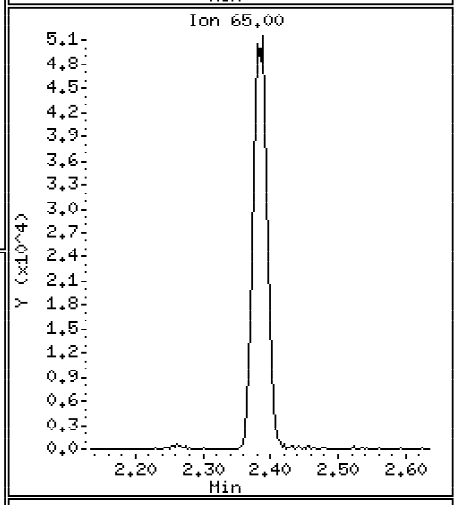
Column phase: DB-624 Column diameter: 0.18

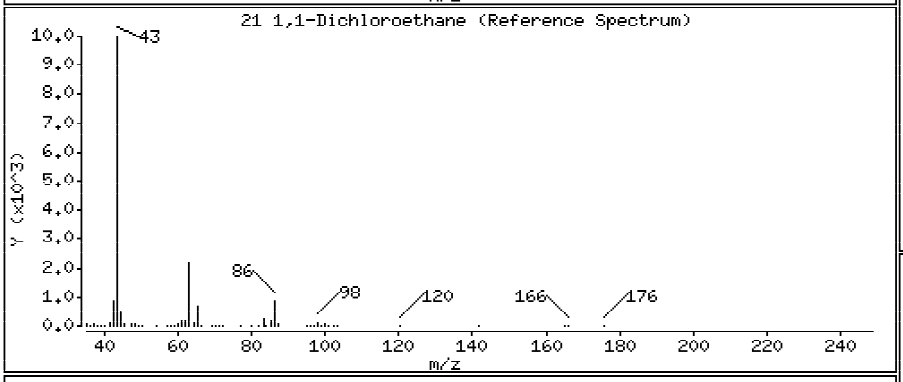
21 1,1-Dichloroethane Concentration: 51.8 ppb

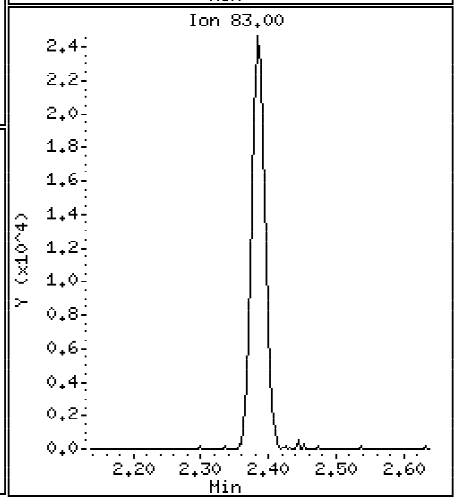


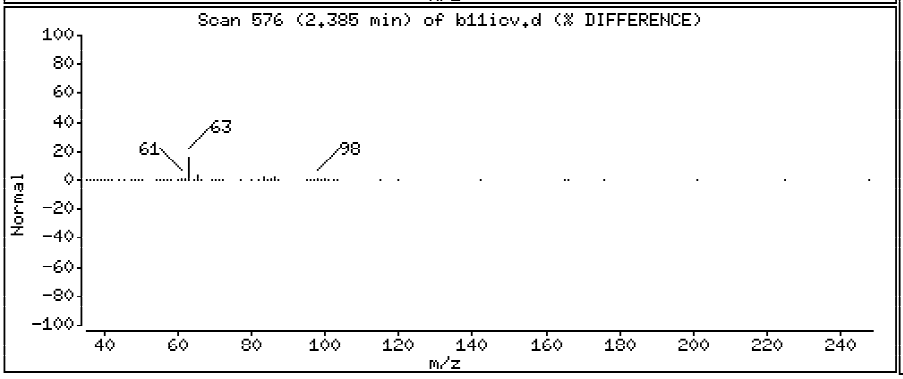












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 28

Date : 02-MAY-2014 16:27

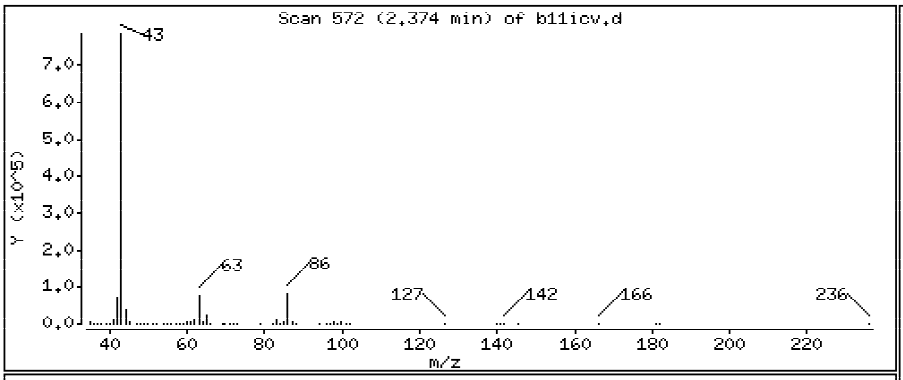
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

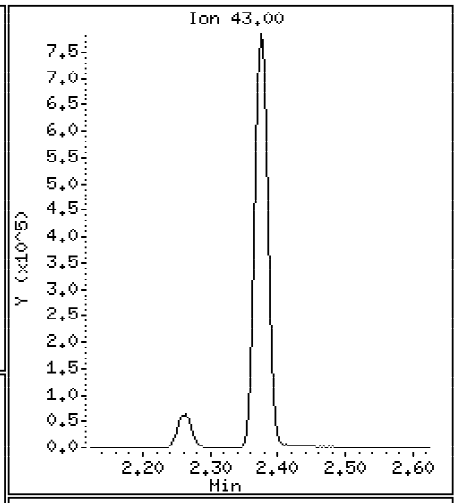
Sample Info: 8260-ICV,65556:0

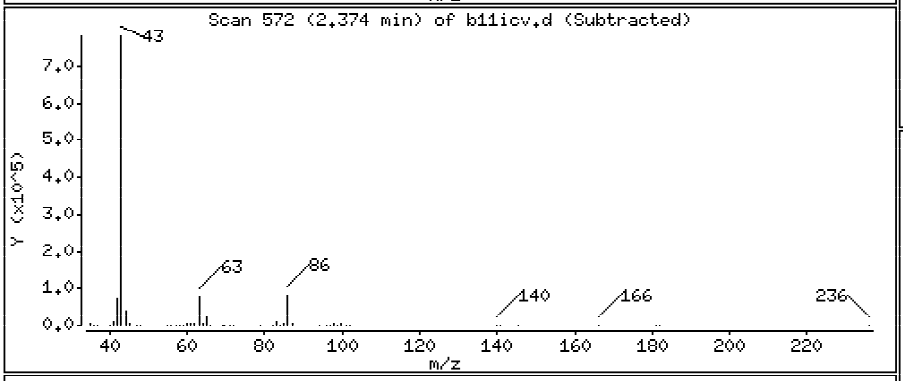
Purge Volume: 5.0 Operator: dae

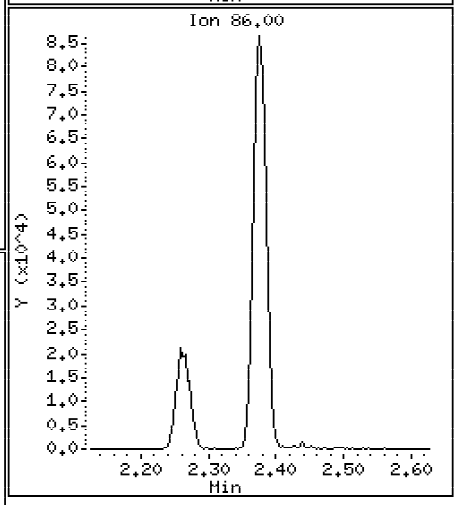
Column phase: DB-624 Column diameter: 0.18

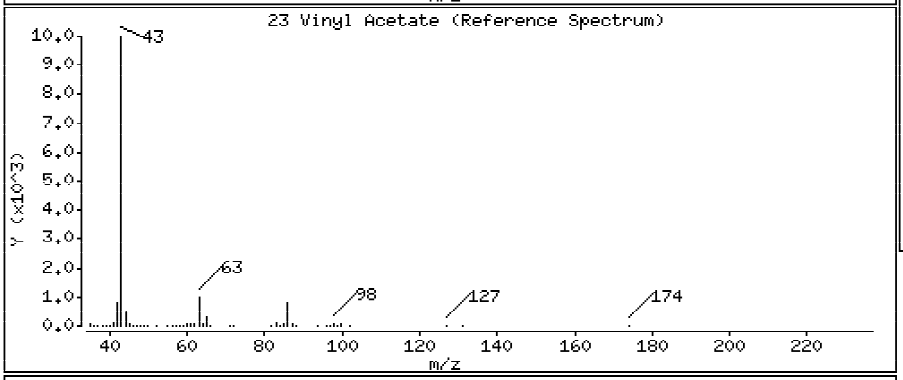
23 Vinyl Acetate Concentration: 248 ppb

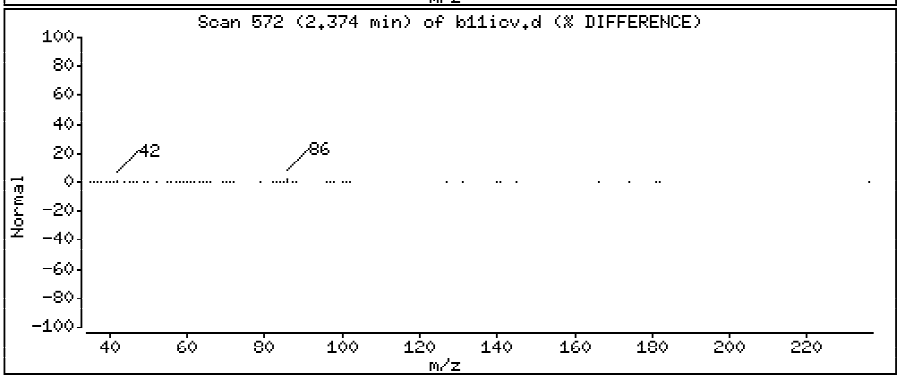












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 29

Date : 02-MAY-2014 16:27

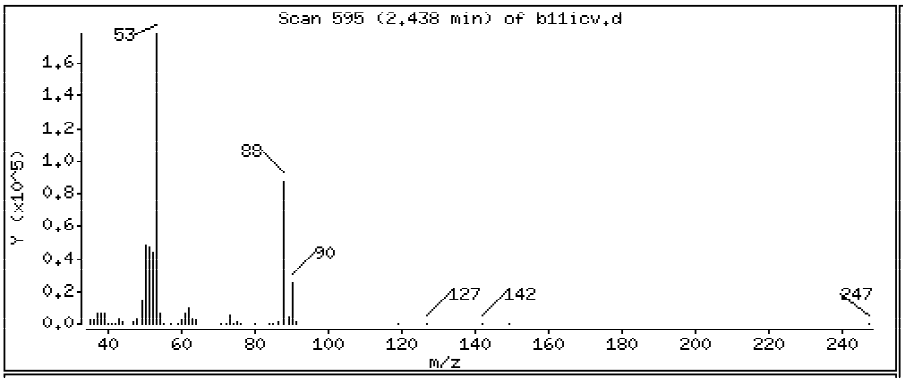
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

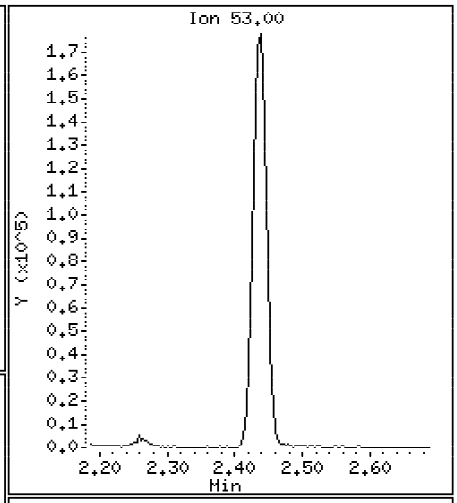
Sample Info: 8260-ICV,65556:0

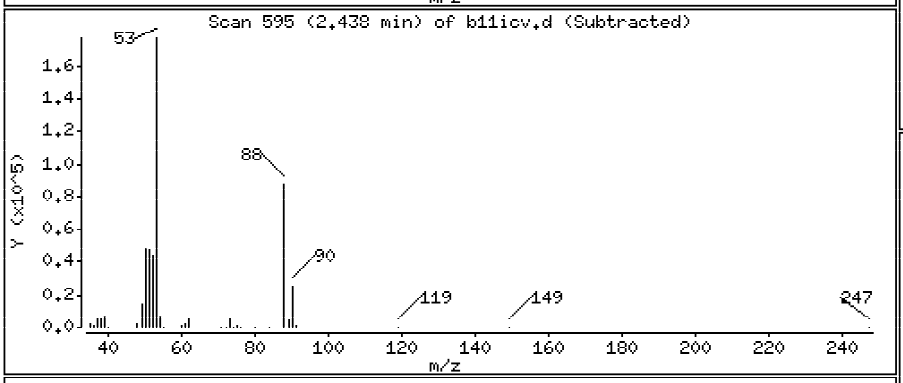
Purge Volume: 5.0 Operator: dae

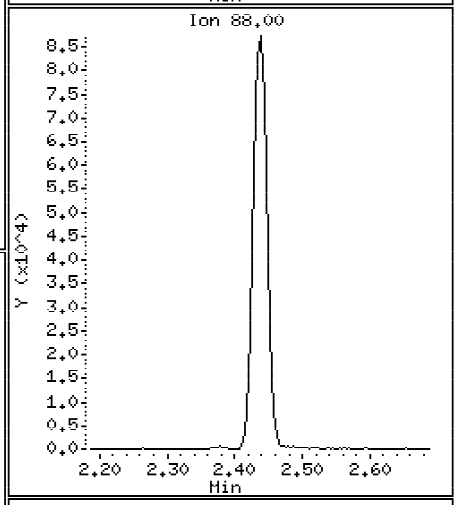
Column phase: DB-624 Column diameter: 0.18

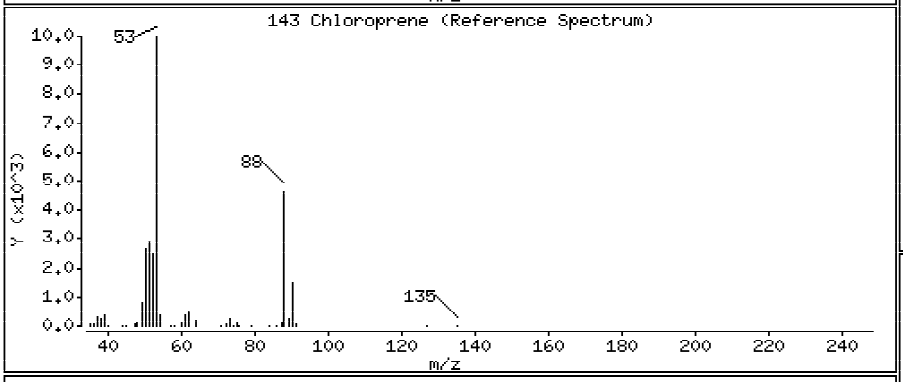
143 Chloroprene Concentration: 55.9 ppb

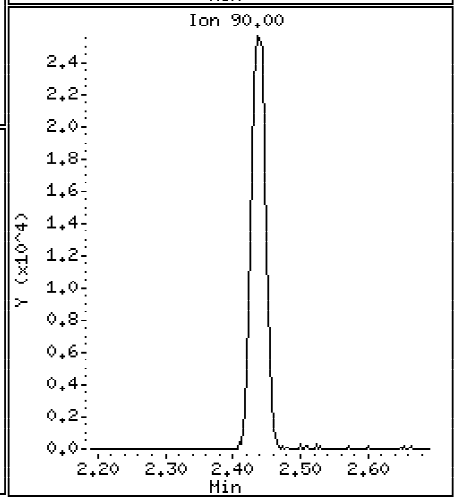


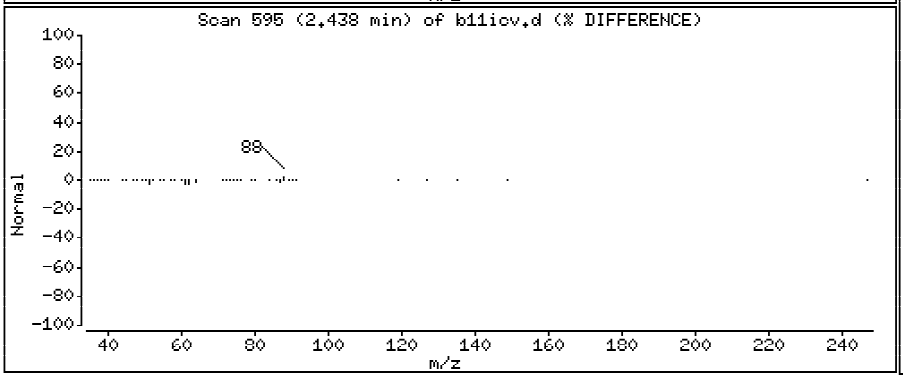












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 30

Date : 02-MAY-2014 16:27

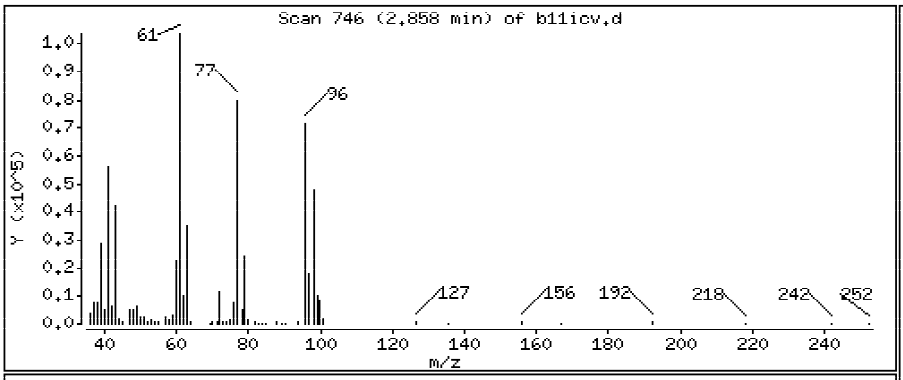
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

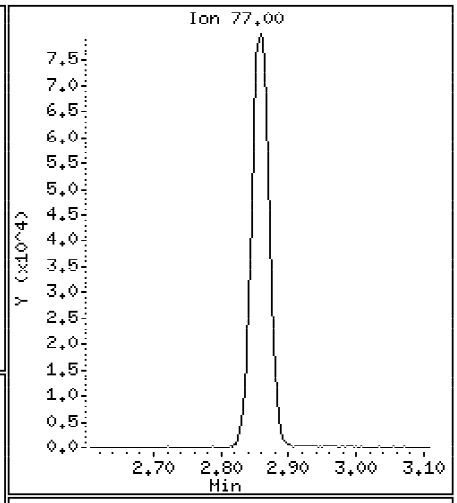
Sample Info: 8260-ICV,65556:0

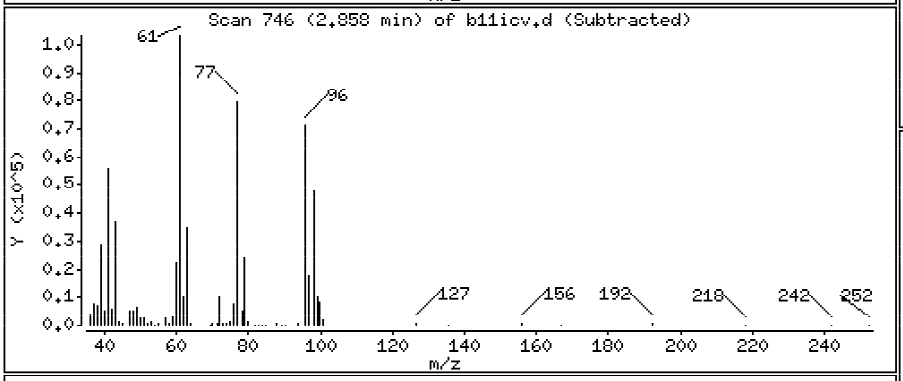
Purge Volume: 5.0 Operator: dae

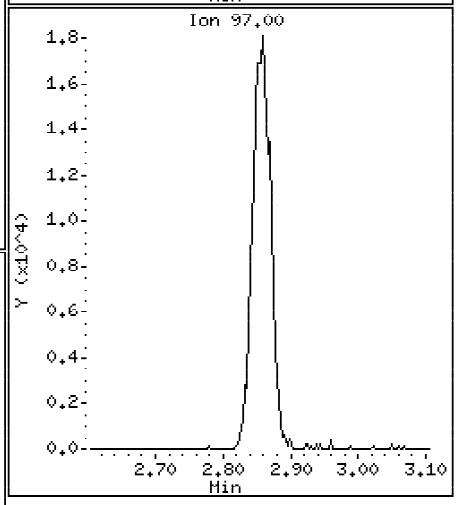
Column phase: DB-624 Column diameter: 0.18

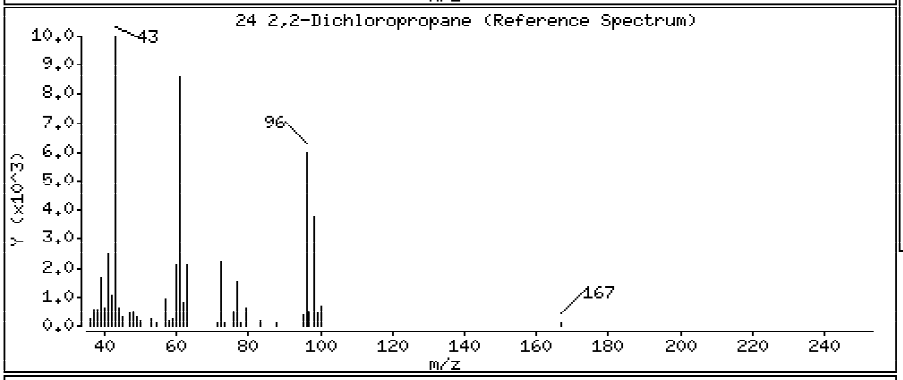
24 2,2-Dichloropropane Concentration: 51.1 ppb

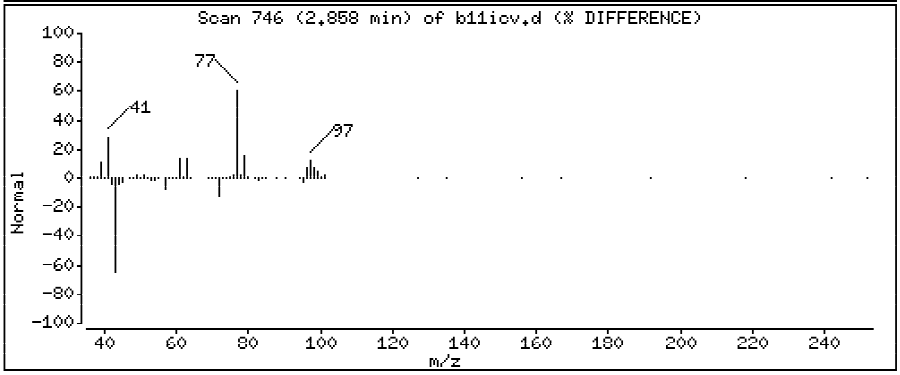












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 31

Date : 02-MAY-2014 16:27

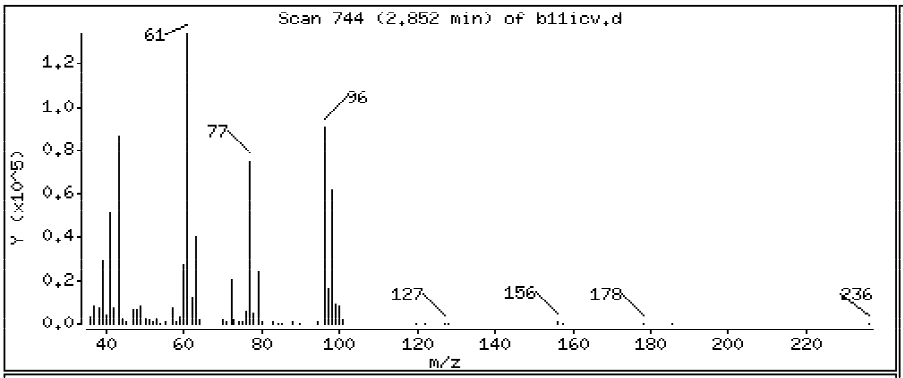
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

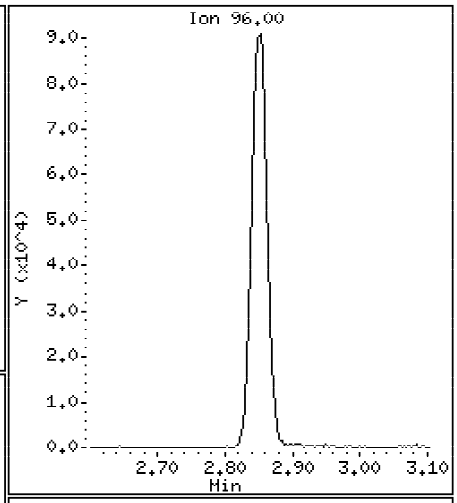
Sample Info: 8260-ICV,65556:0

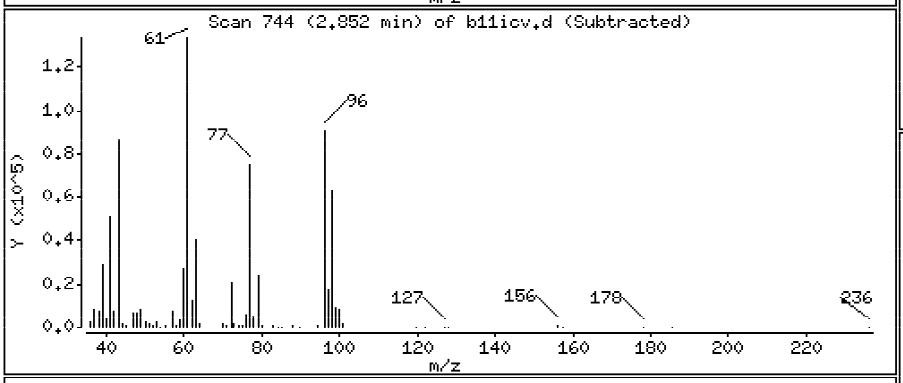
Purge Volume: 5.0 Operator: dae

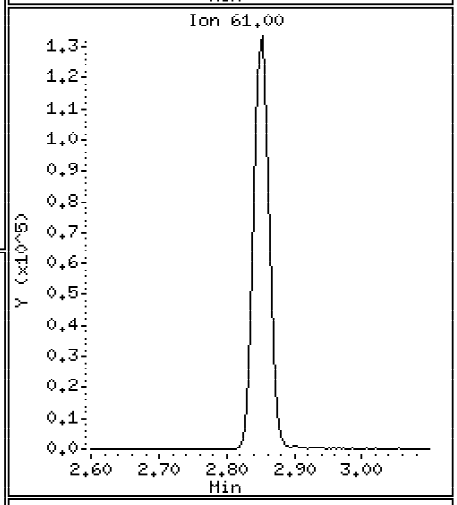
Column phase: DB-624 Column diameter: 0.18

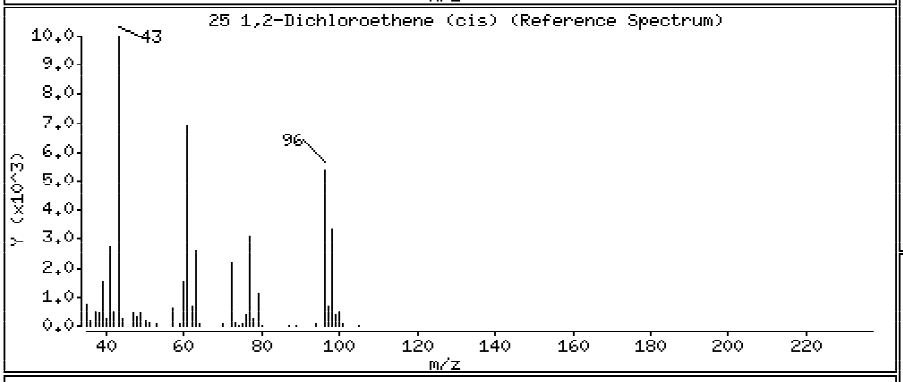
25 1,2-Dichloroethene (cis) Concentration: 49.7 ppb

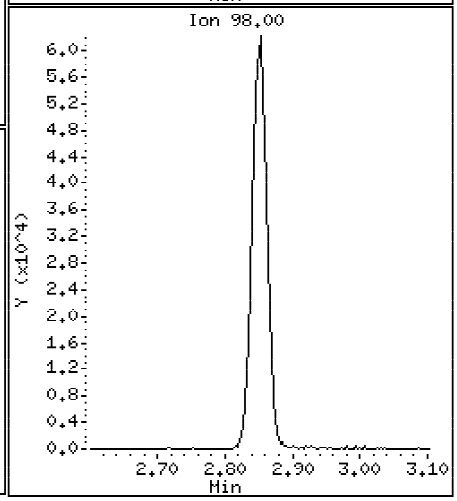


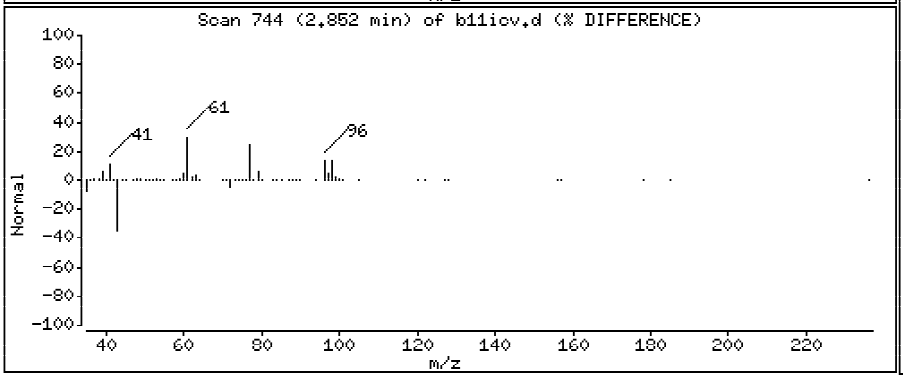












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 32

Date : 02-MAY-2014 16:27

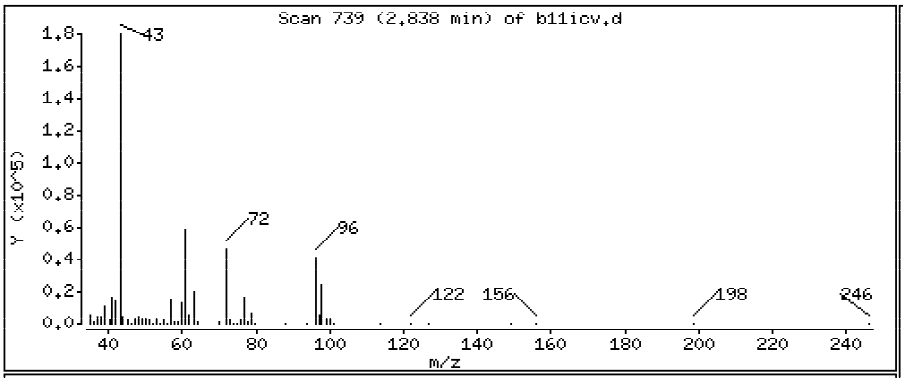
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

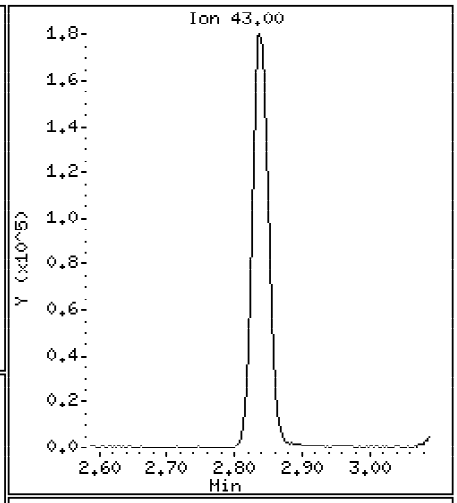
Sample Info: 8260-ICV,65556:0

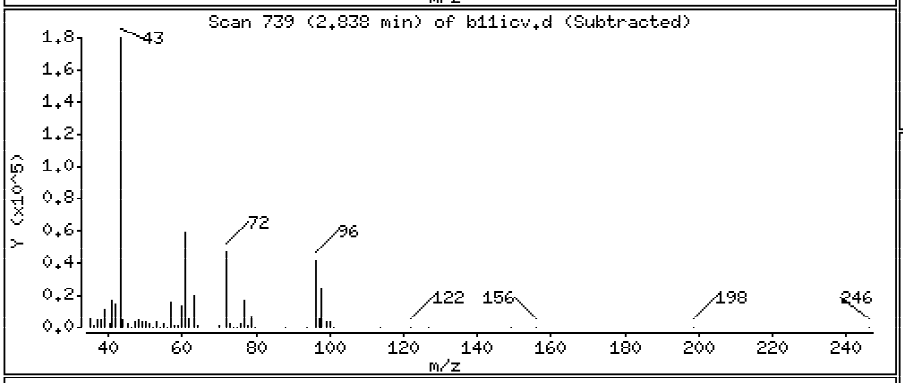
Purge Volume: 5.0 Operator: dae

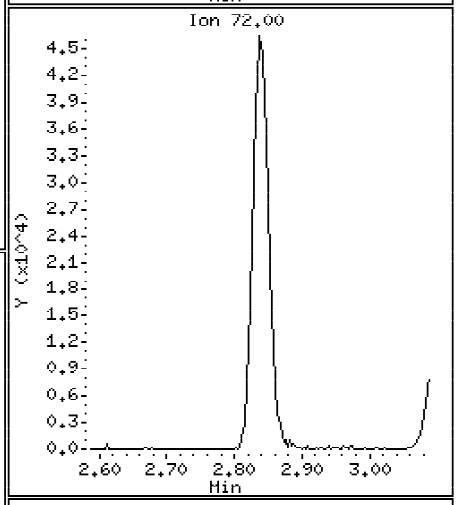
Column phase: DB-624 Column diameter: 0.18

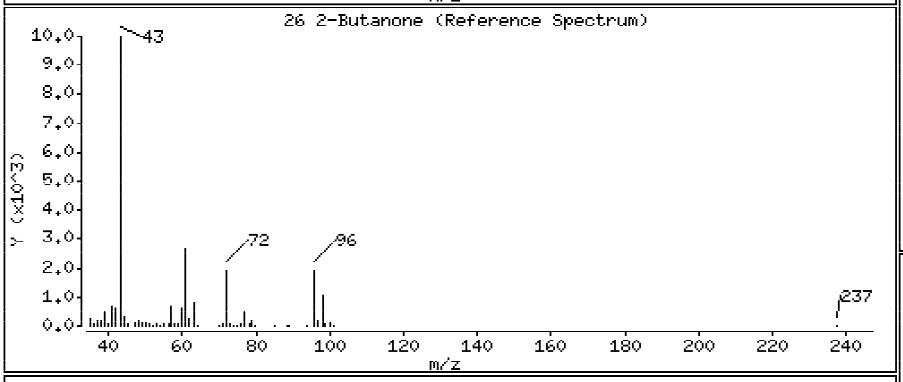
26 2-Butanone Concentration: 265 ppb

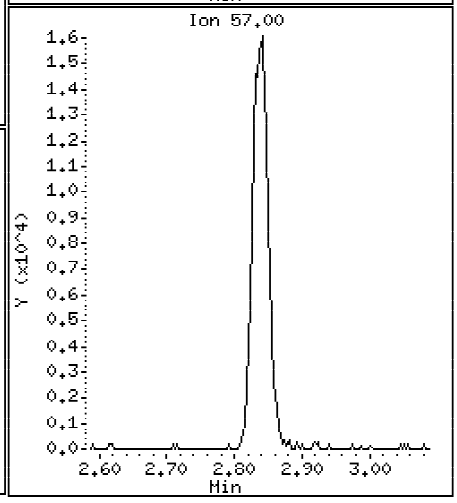


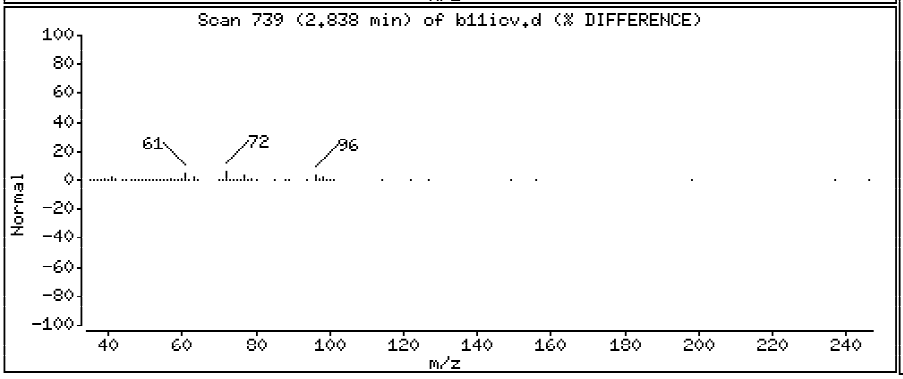












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 33

Date : 02-MAY-2014 16:27

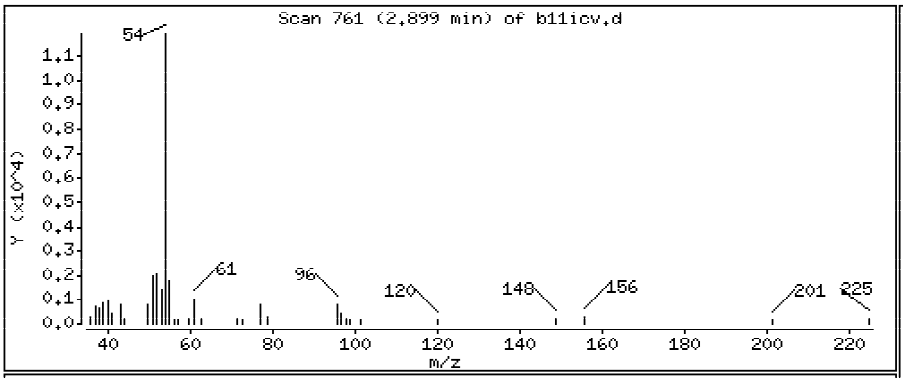
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

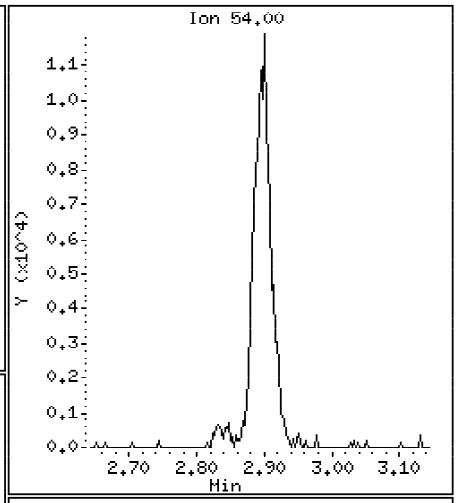
Sample Info: 8260-ICV,65556:0

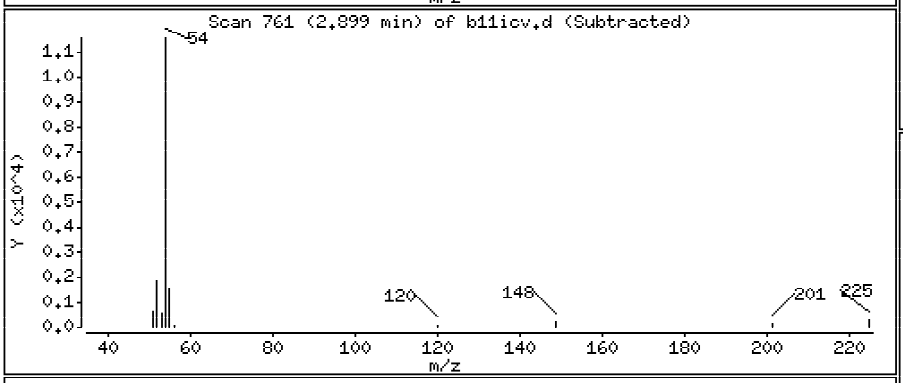
Purge Volume: 5.0 Operator: dae

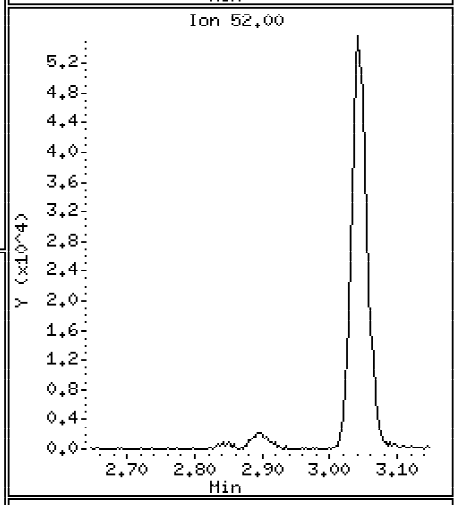
Column phase: DB-624 Column diameter: 0.18

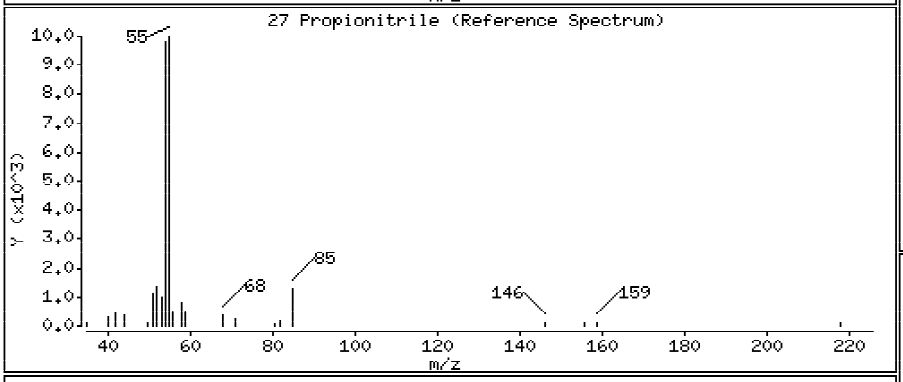
27 Propionitrile Concentration: 46.6 ppb

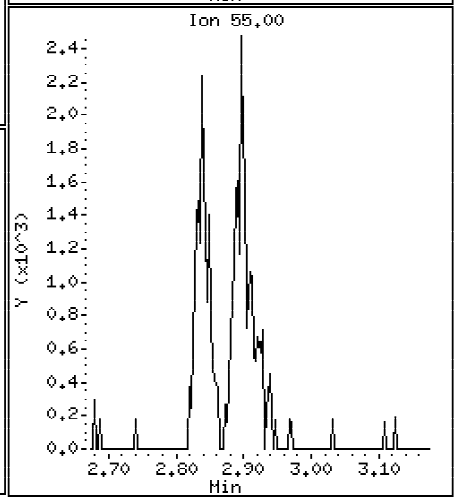


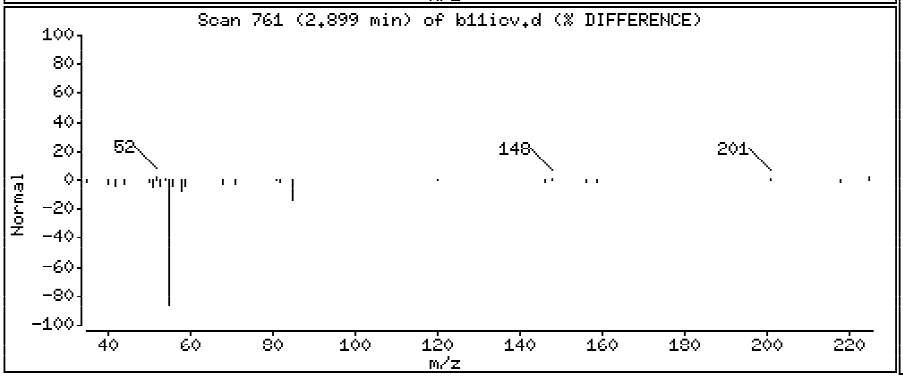












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 34

Date : 02-MAY-2014 16:27

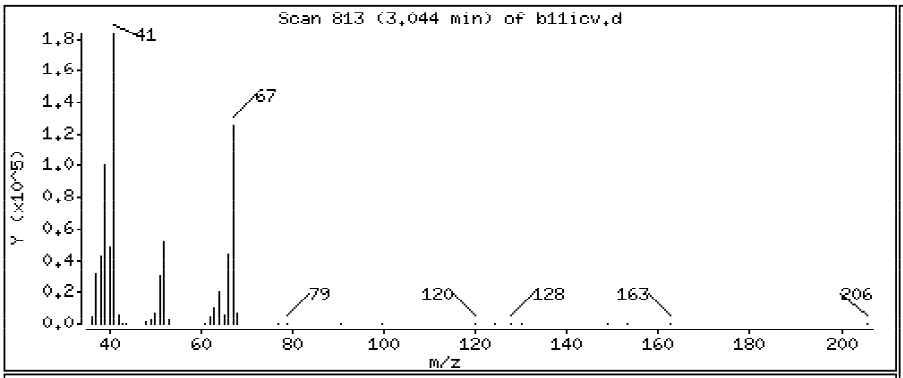
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

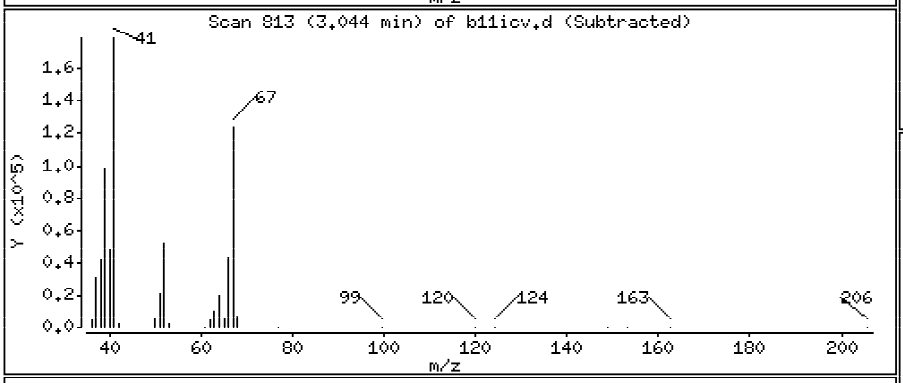
Sample Info: 8260-ICV,65556:0

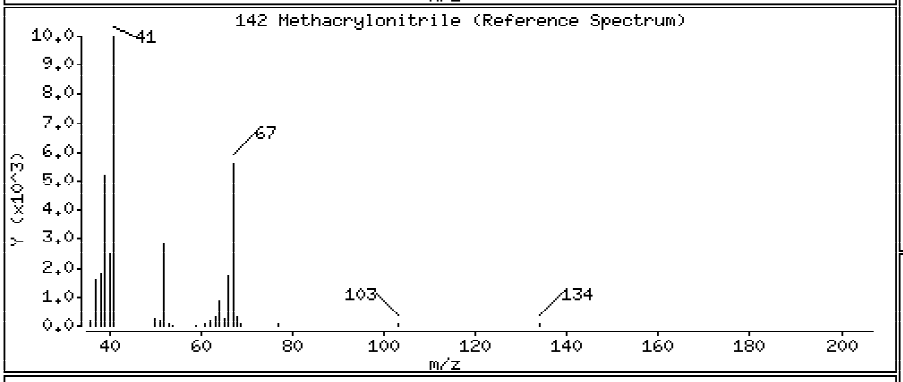
Purge Volume: 5.0 Operator: dae

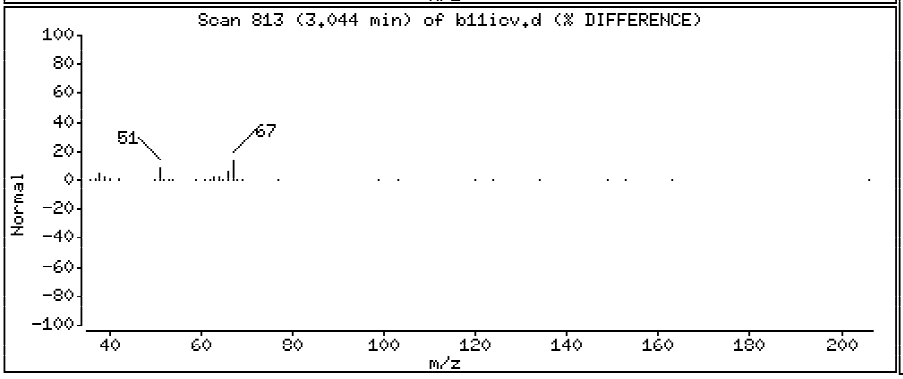
Column phase: DB-624 Column diameter: 0.18

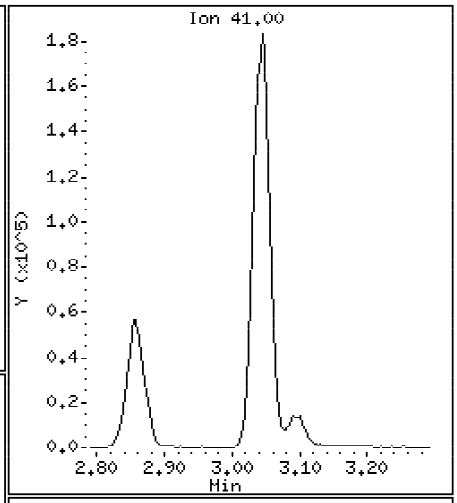
142 Methacrylonitrile Concentration: 786 ppb

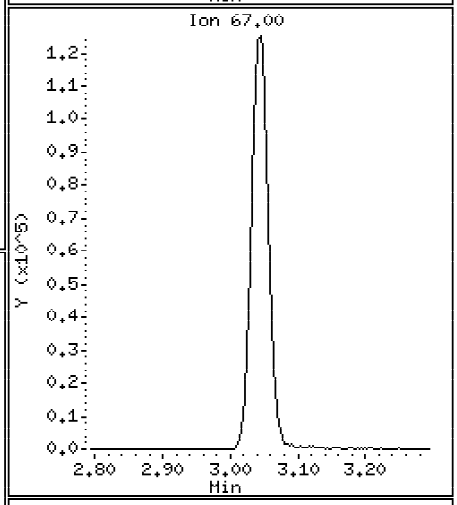


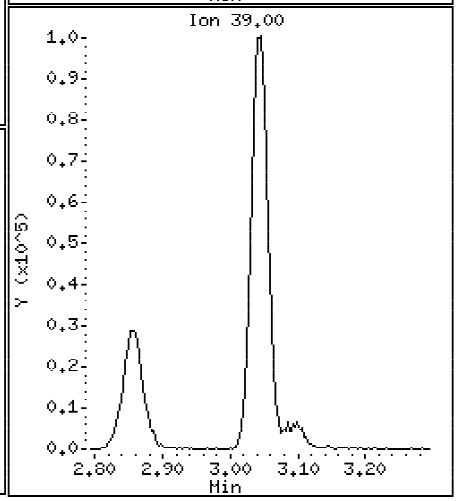












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 35

Date : 02-MAY-2014 16:27

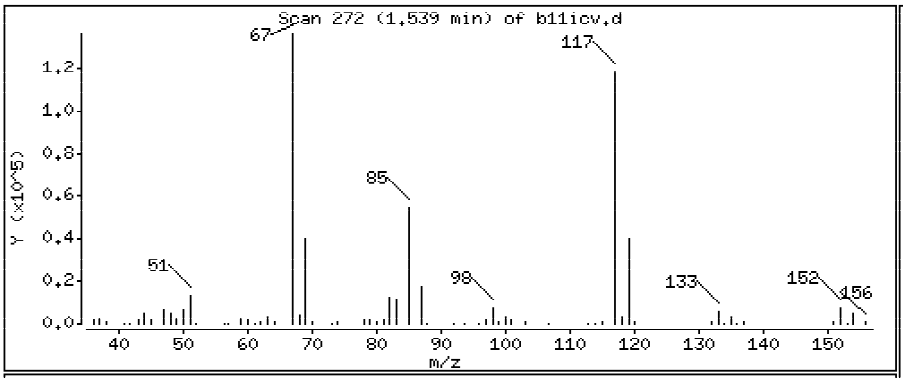
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

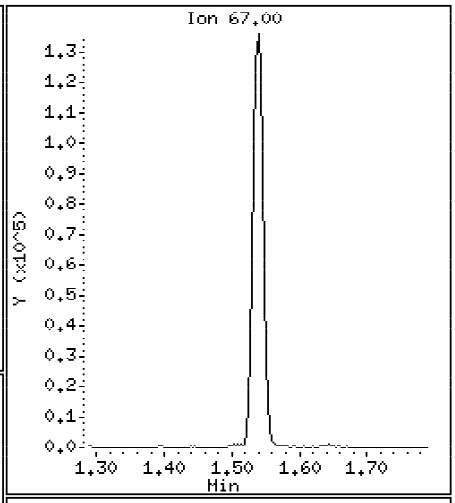
Sample Info: 8260-ICV,65556:0

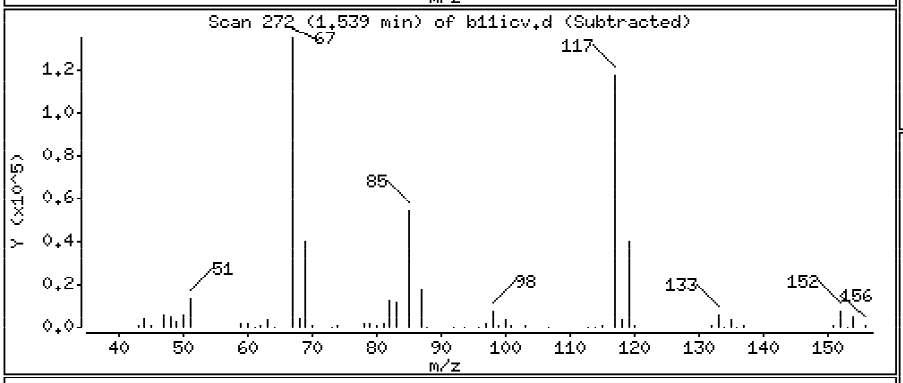
Purge Volume: 5.0 Operator: dae

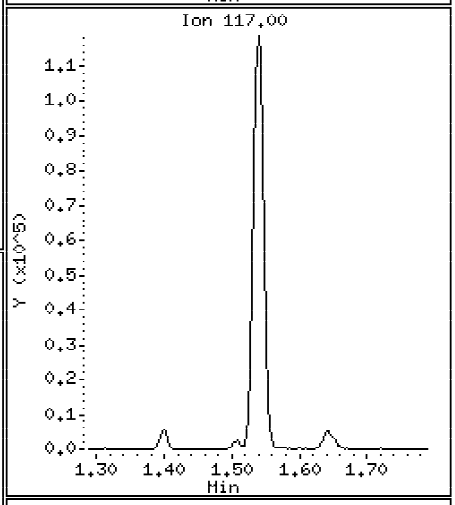
Column phase: DB-624 Column diameter: 0.18

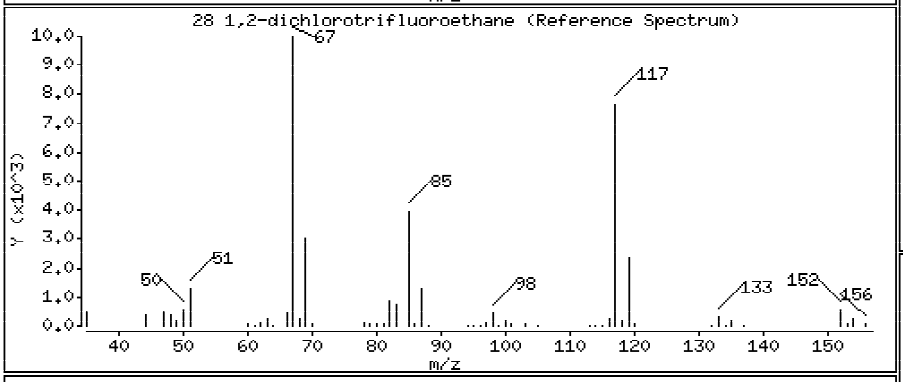
28 1,2-dichlorotrifluoroethane Concentration: 50.1 ppb

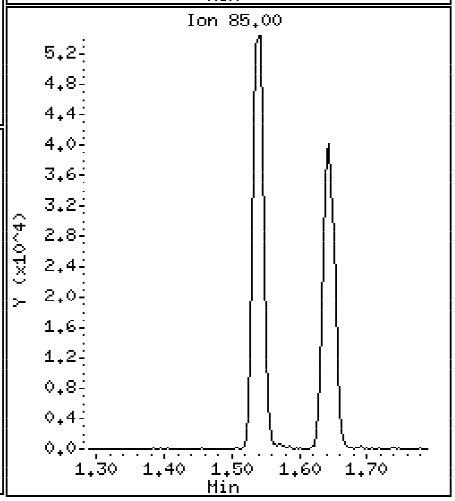


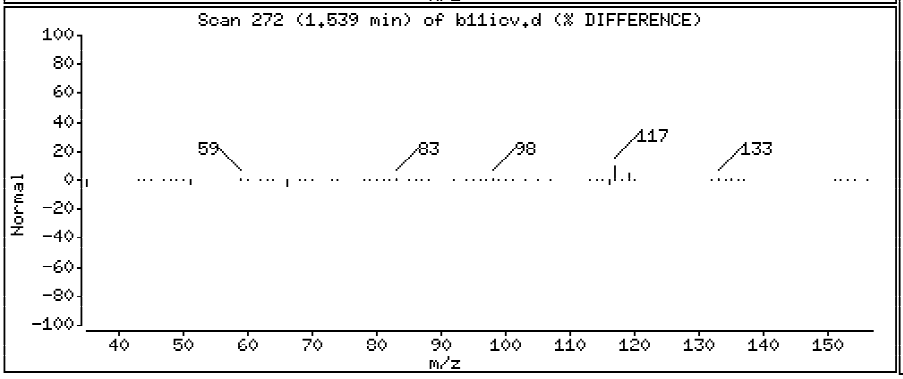












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 36

Date : 02-MAY-2014 16:27

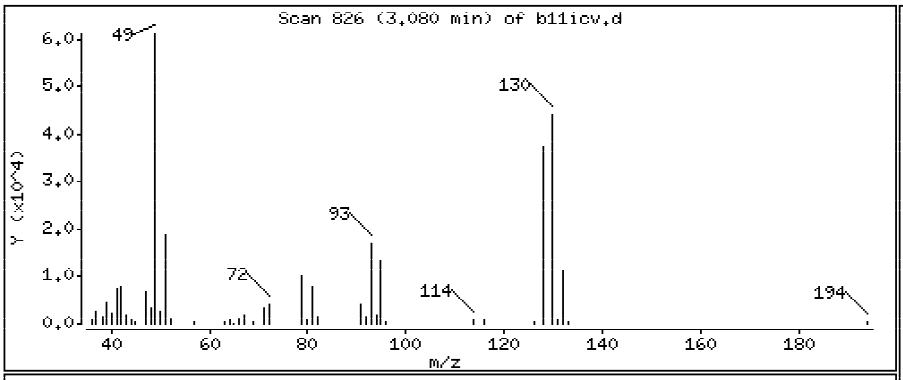
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

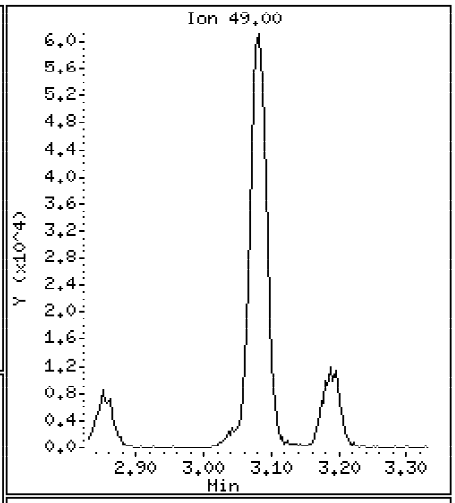
Sample Info: 8260-ICV,65556:0

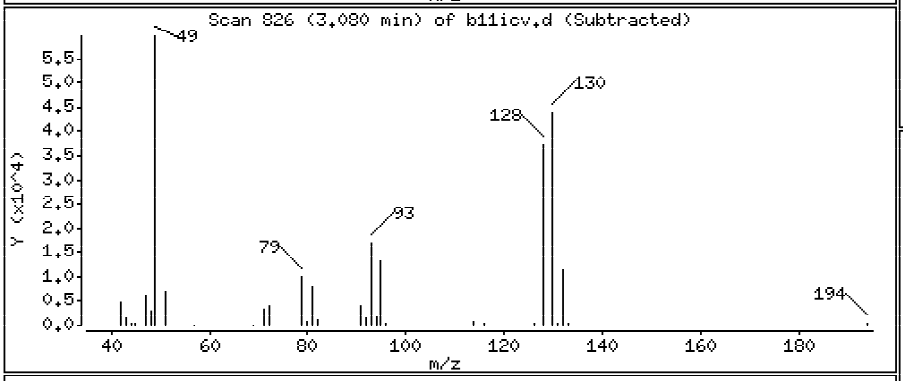
Purge Volume: 5.0 Operator: dae

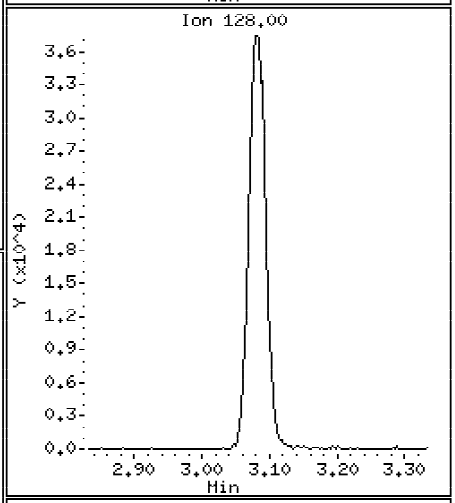
Column phase: DB-624 Column diameter: 0.18

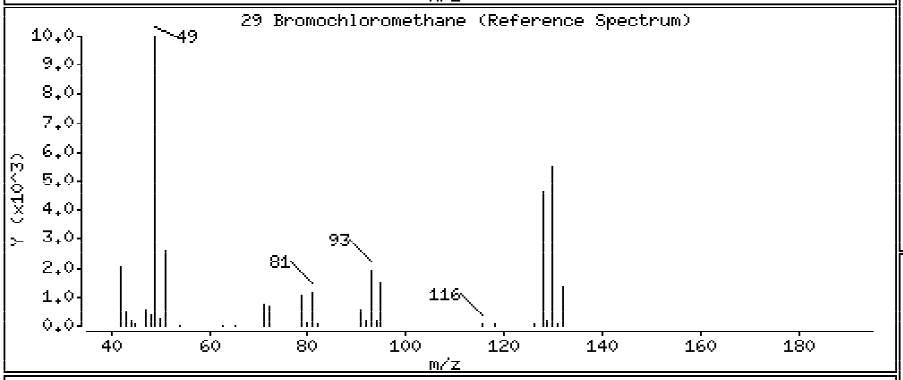
29 Bromochloromethane Concentration: 48.9 ppb

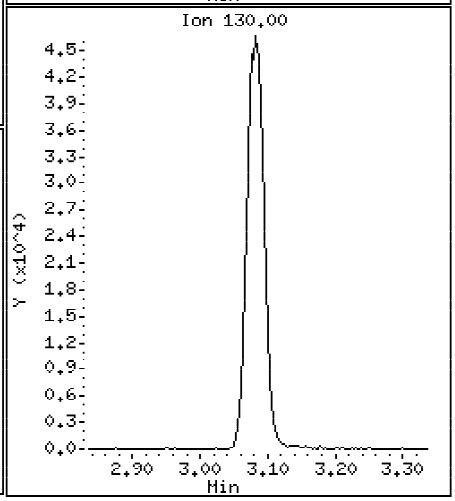


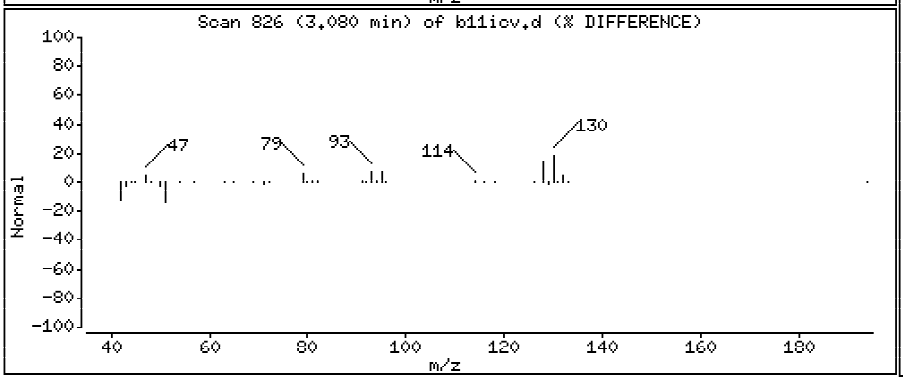












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 37

Date : 02-MAY-2014 16:27

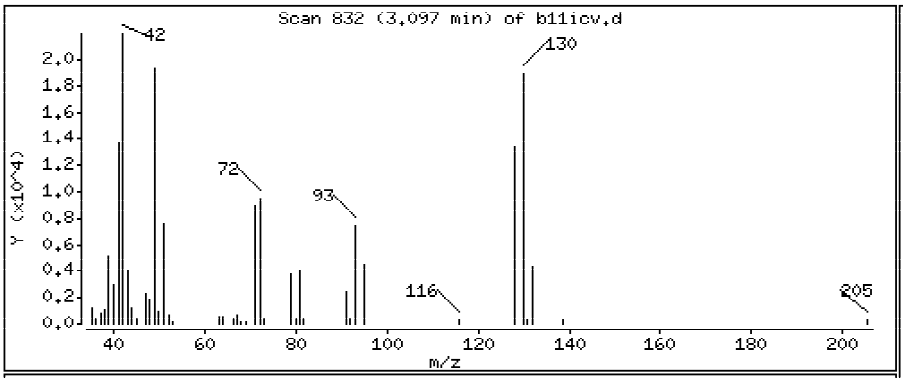
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

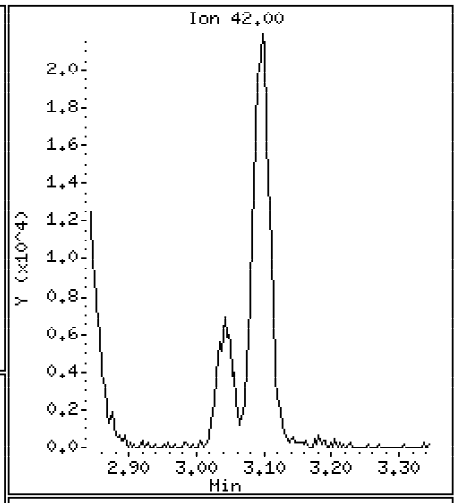
Sample Info: 8260-ICV,65556:0

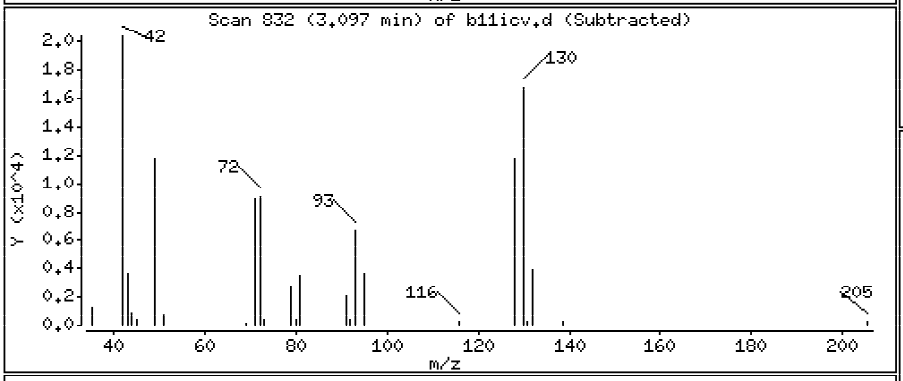
Purge Volume: 5.0 Operator: dae

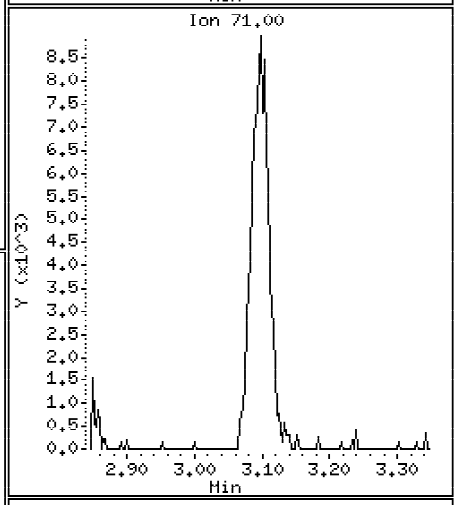
Column phase: DB-624 Column diameter: 0.18

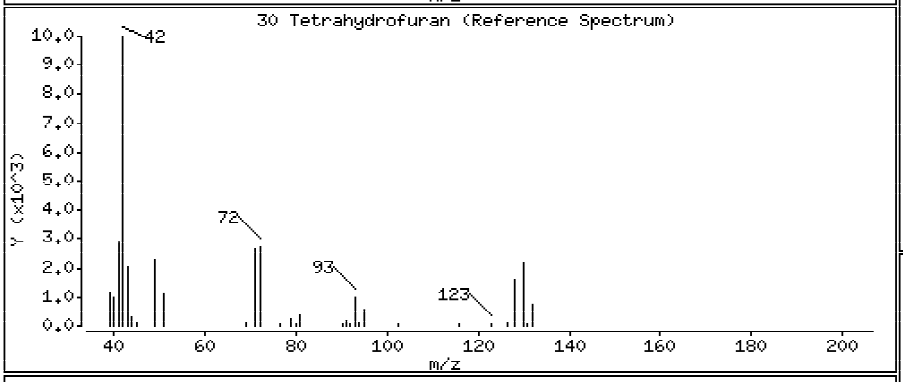
30 Tetrahydrofuran Concentration: 58.2 ppb

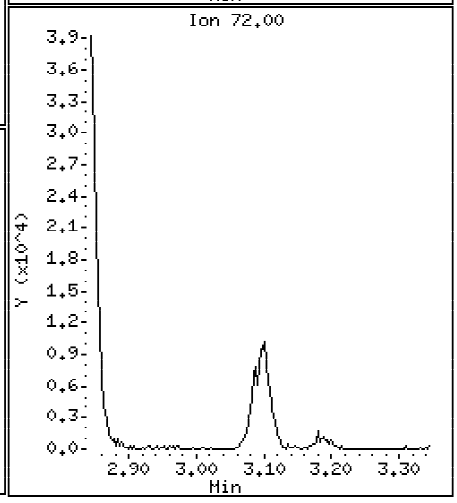


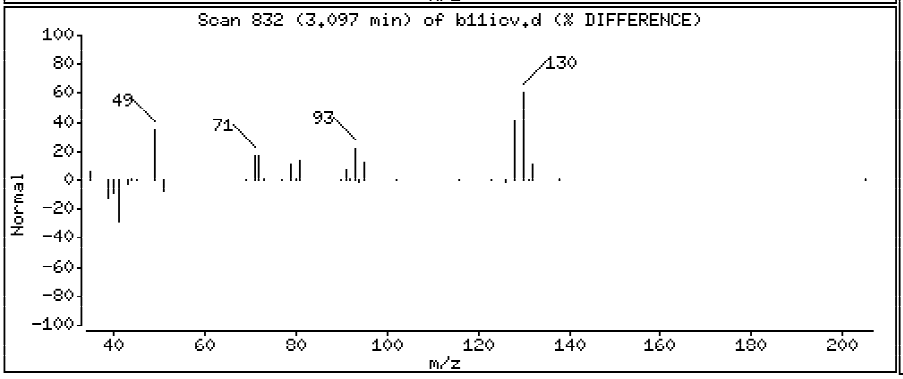












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 38

Date : 02-MAY-2014 16:27

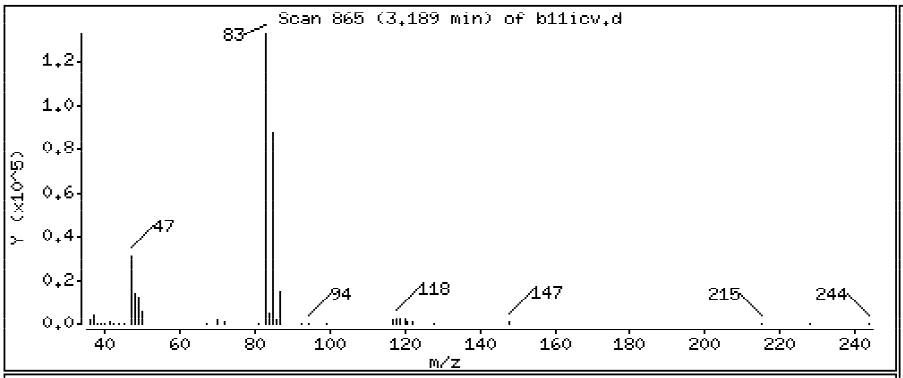
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

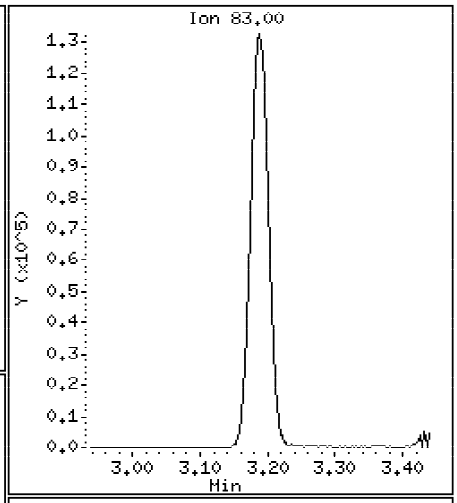
Sample Info: 8260-ICV,65556:0

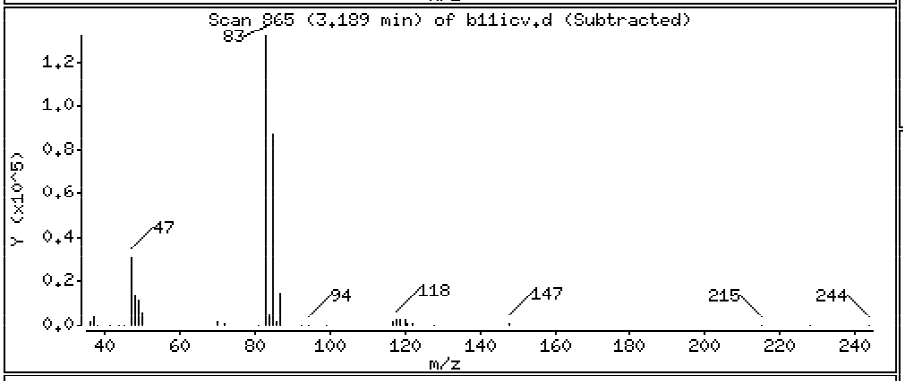
Purge Volume: 5.0 Operator: dae

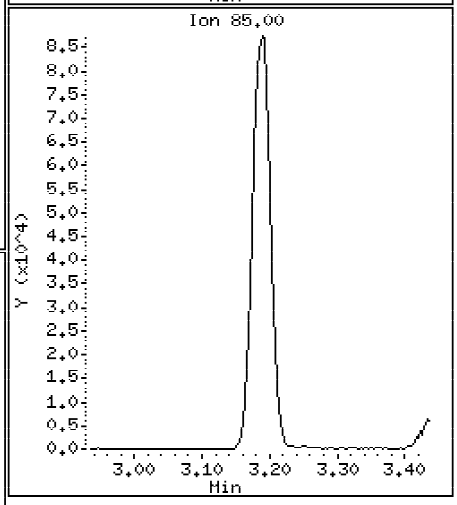
Column phase: DB-624 Column diameter: 0.18

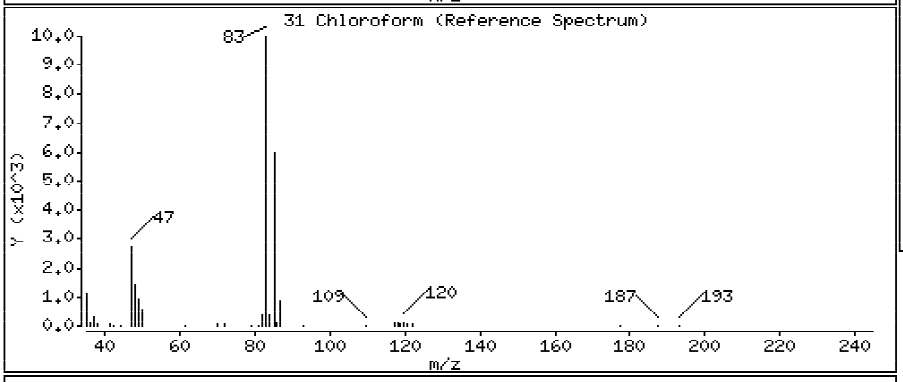
31 Chloroform Concentration: 47.8 ppb

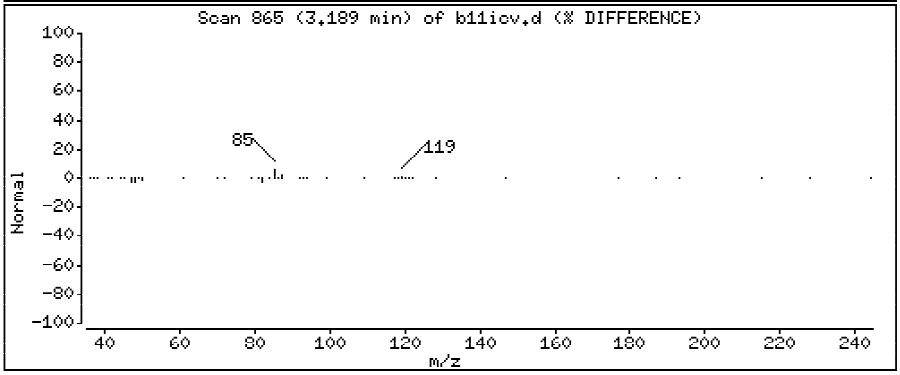












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 39

Date : 02-MAY-2014 16:27

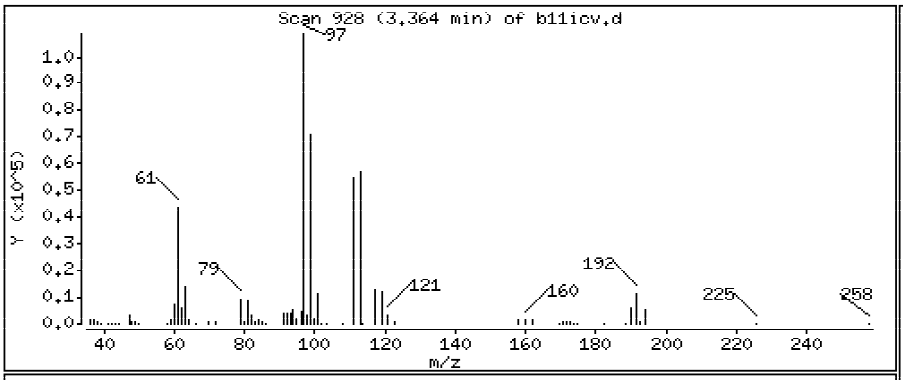
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

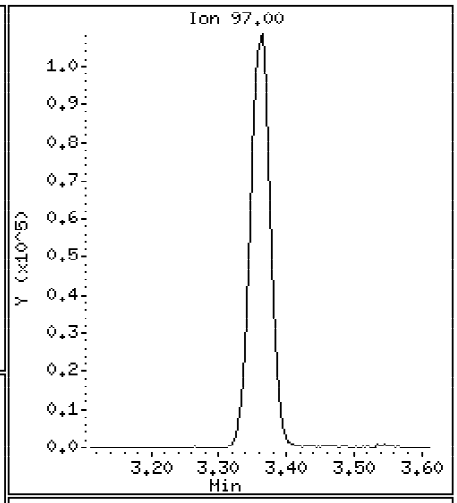
Sample Info: 8260-ICV,65556:0

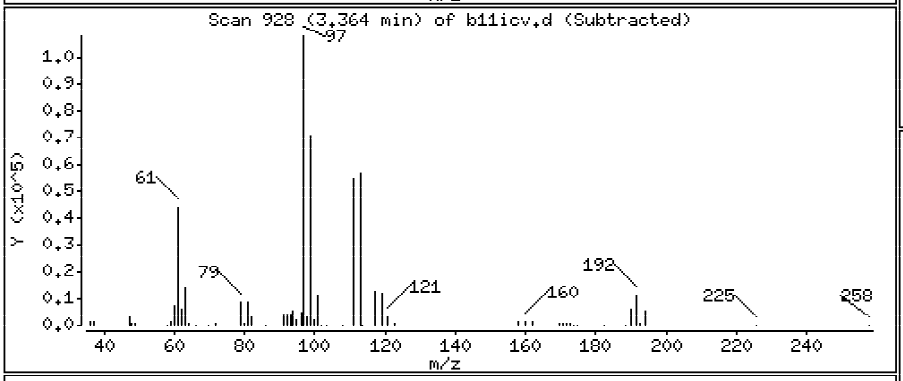
Purge Volume: 5.0 Operator: dae

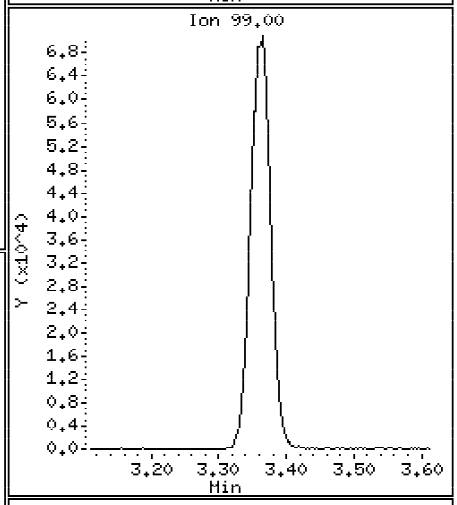
Column phase: DB-624 Column diameter: 0.18

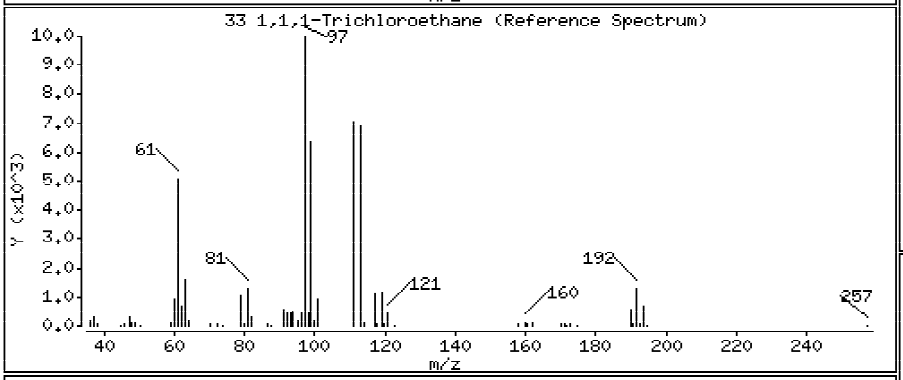
33 1,1,1-Trichloroethane Concentration: 52.7 ppb

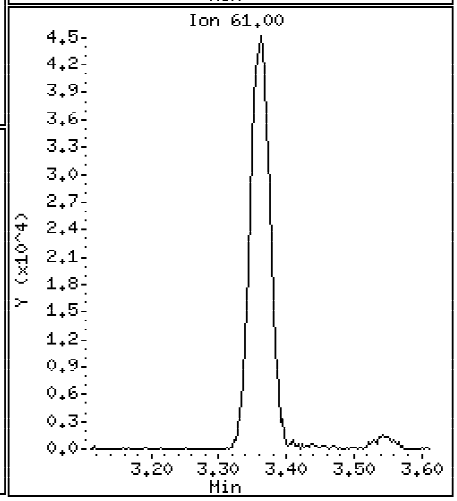


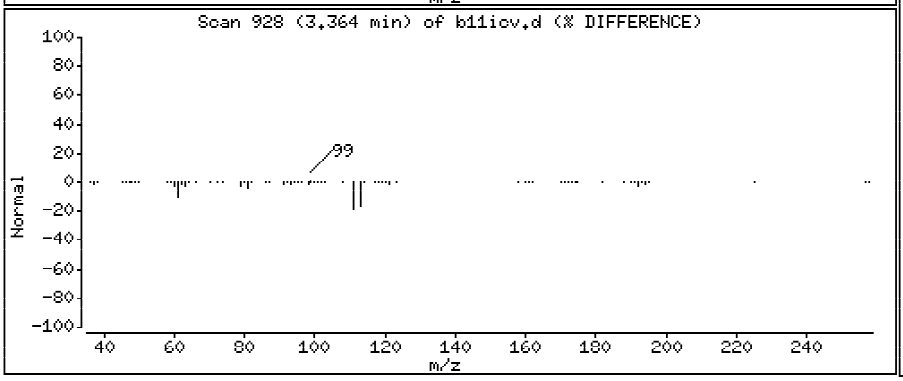












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 40

Date : 02-MAY-2014 16:27

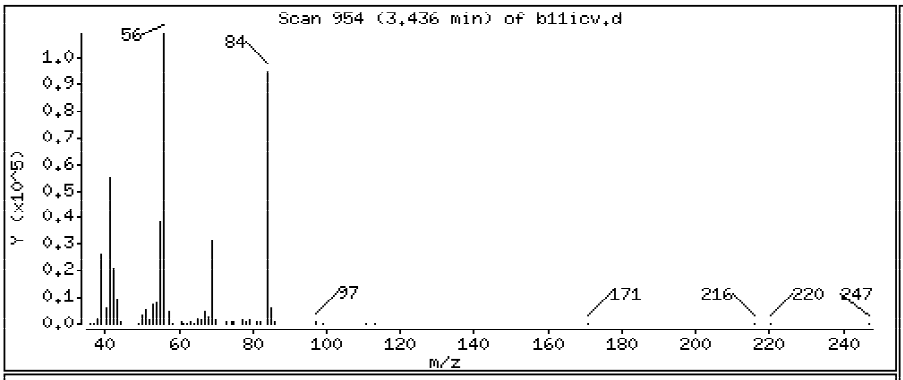
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

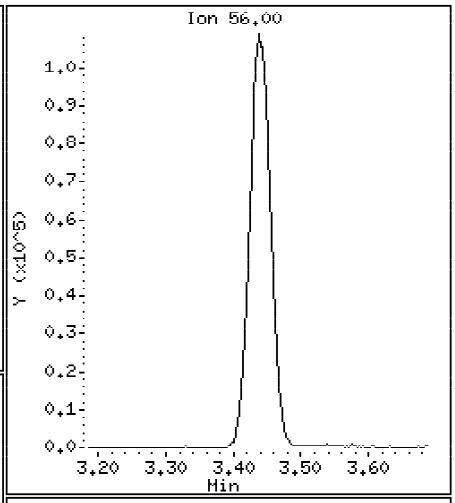
Sample Info: 8260-ICV,65556:0

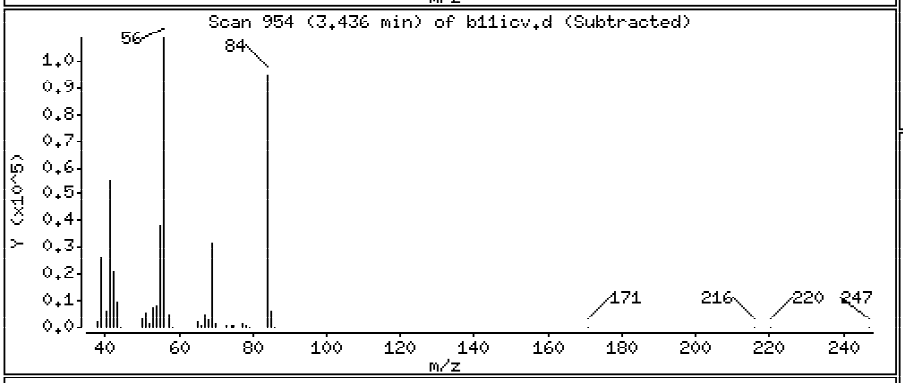
Purge Volume: 5.0 Operator: dae

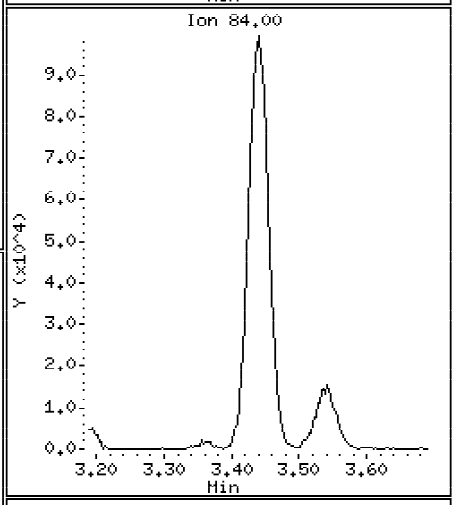
Column phase: DB-624 Column diameter: 0.18

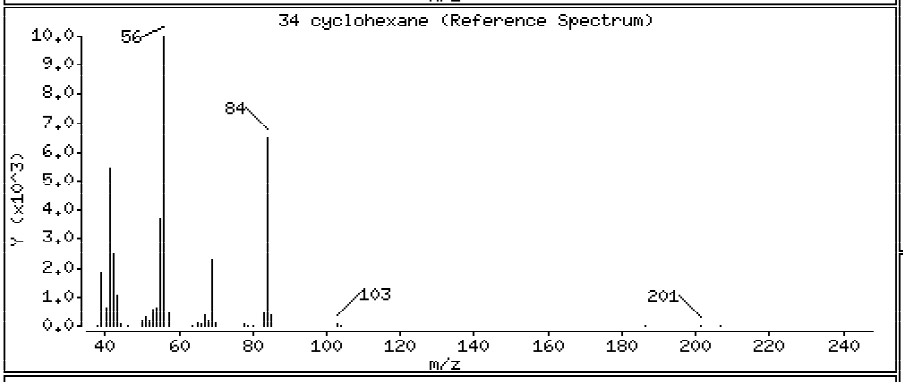
34 cyclohexane Concentration: 54.4 ppb

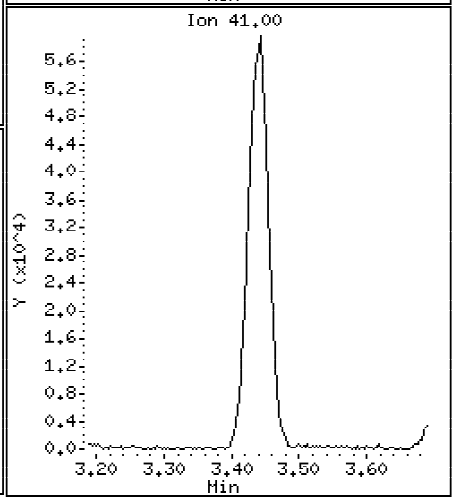


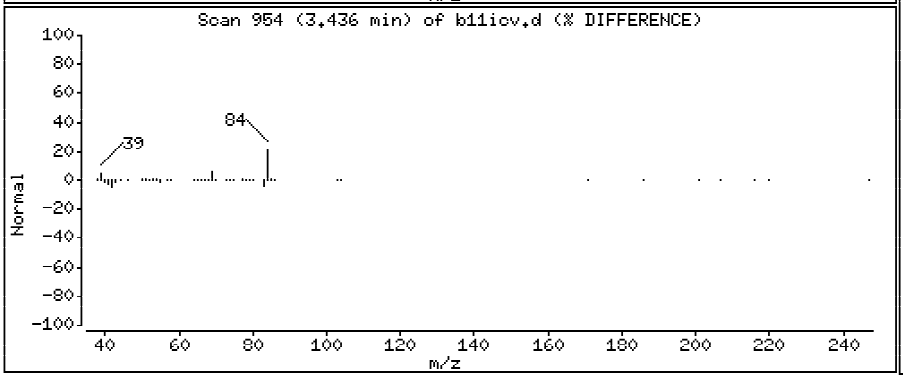












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 41

Date : 02-MAY-2014 16:27

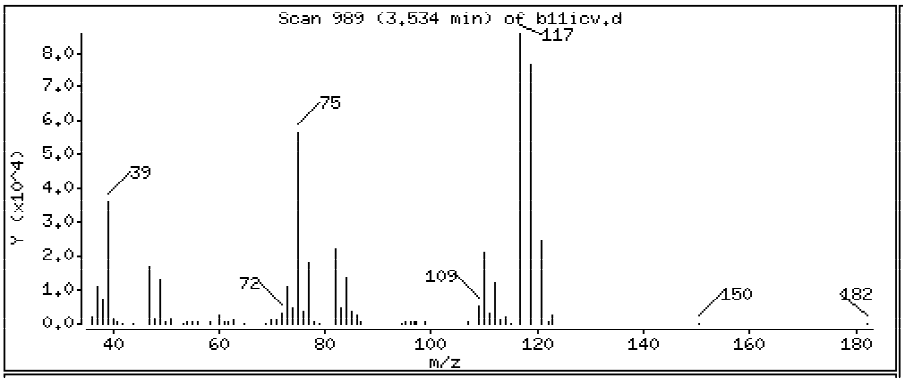
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

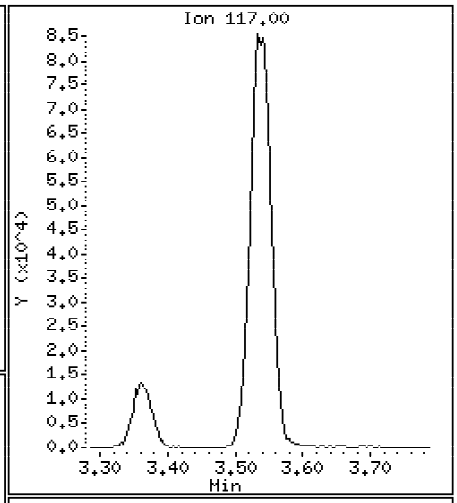
Sample Info: 8260-ICV,65556:0

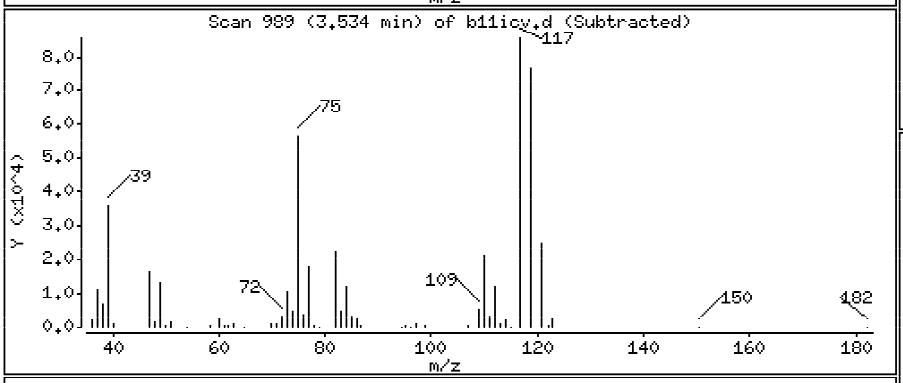
Purge Volume: 5.0 Operator: dae

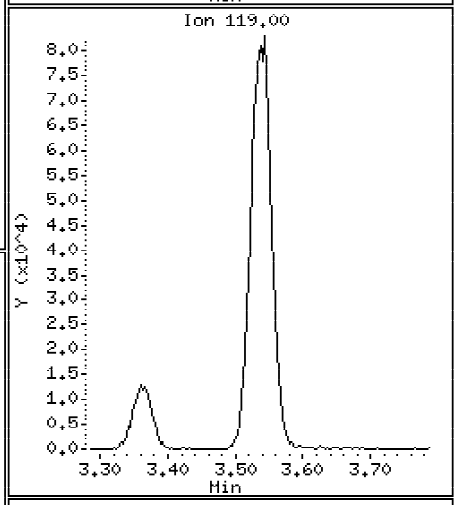
Column phase: DB-624 Column diameter: 0.18

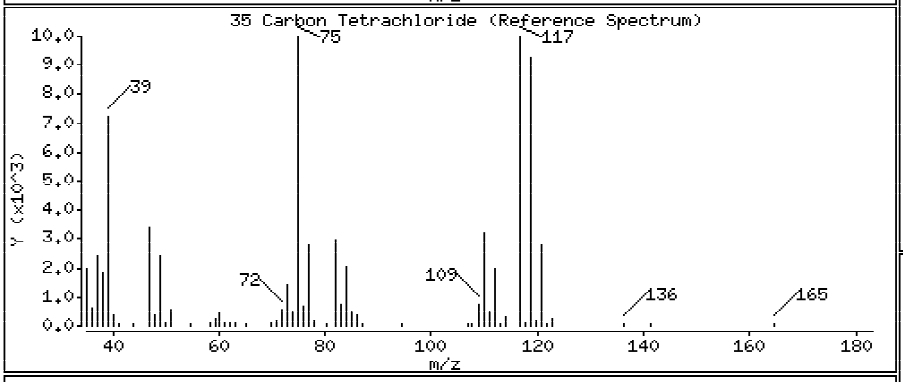
35 Carbon Tetrachloride Concentration: 56.6 ppb

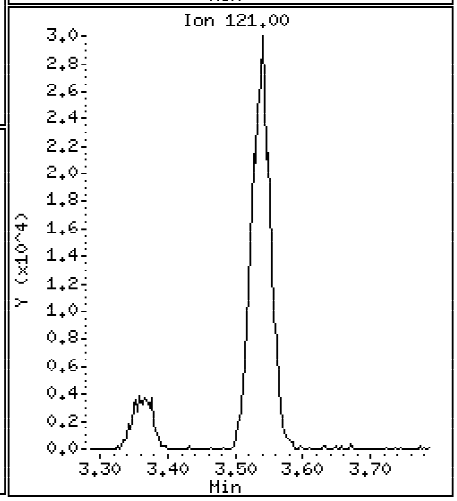


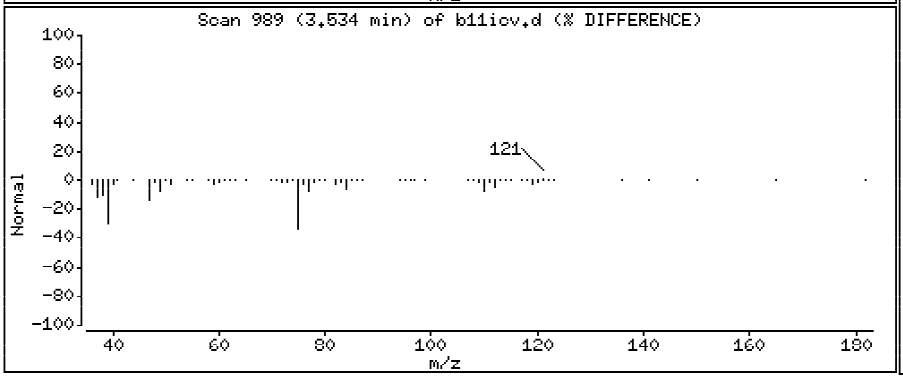












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 42

Date : 02-MAY-2014 16:27

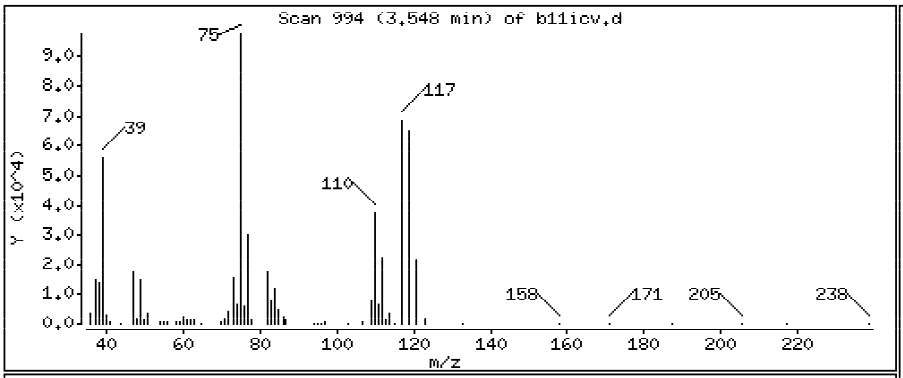
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

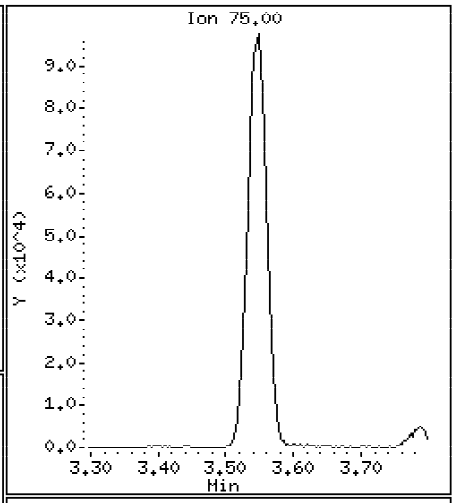
Sample Info: 8260-ICV,65556:0

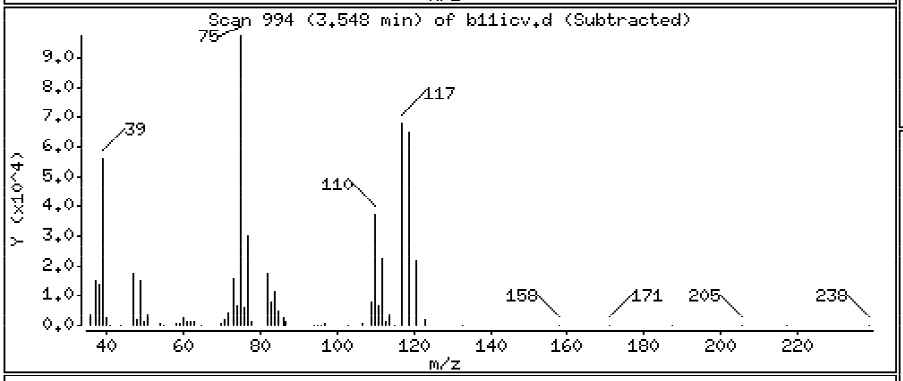
Purge Volume: 5.0 Operator: dae

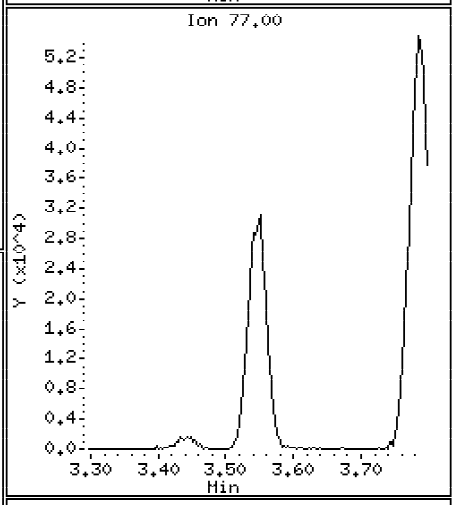
Column phase: DB-624 Column diameter: 0.18

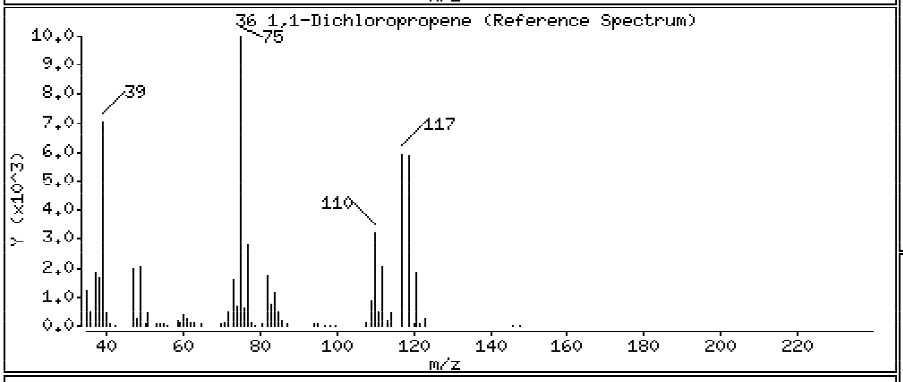
36 1,1-Dichloropropene Concentration: 53.2 ppb

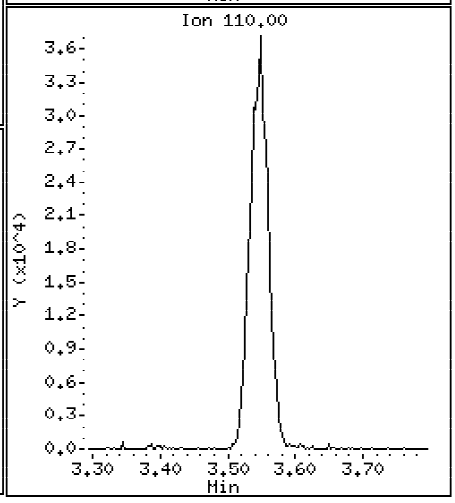


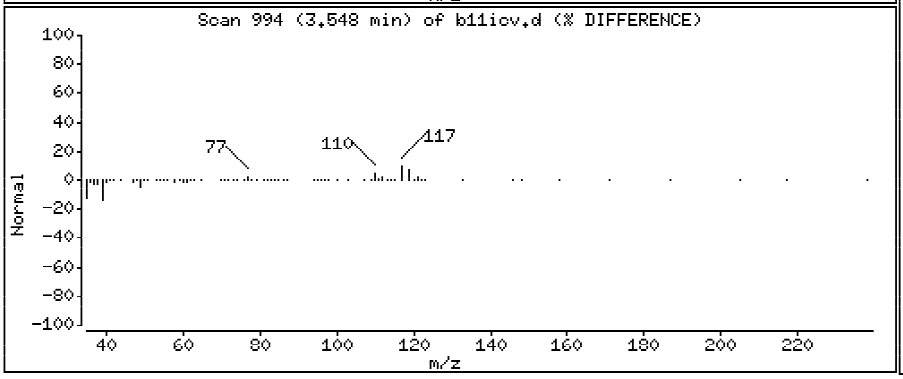












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 43

Date : 02-MAY-2014 16:27

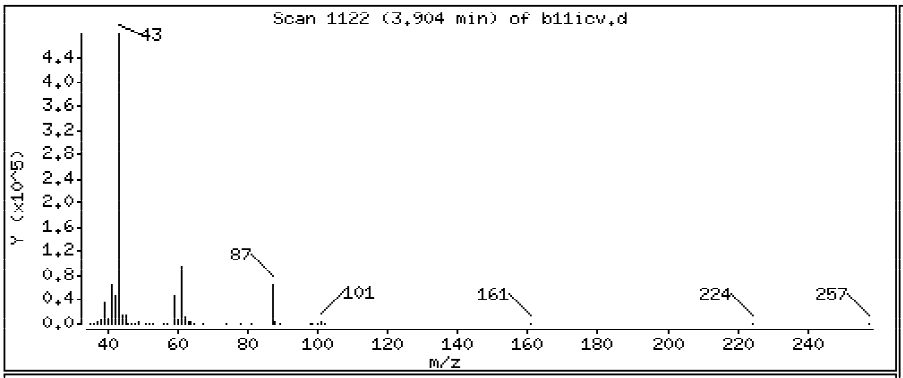
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

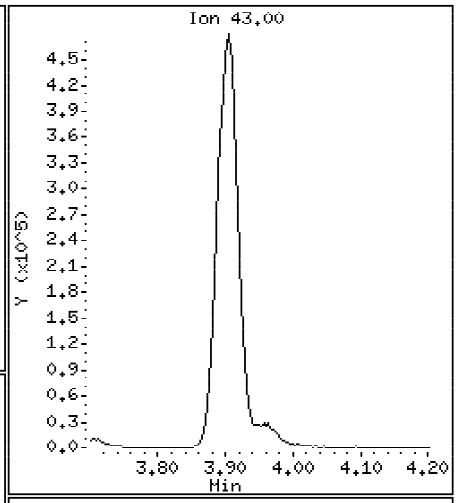
Sample Info: 8260-ICV,65556:0

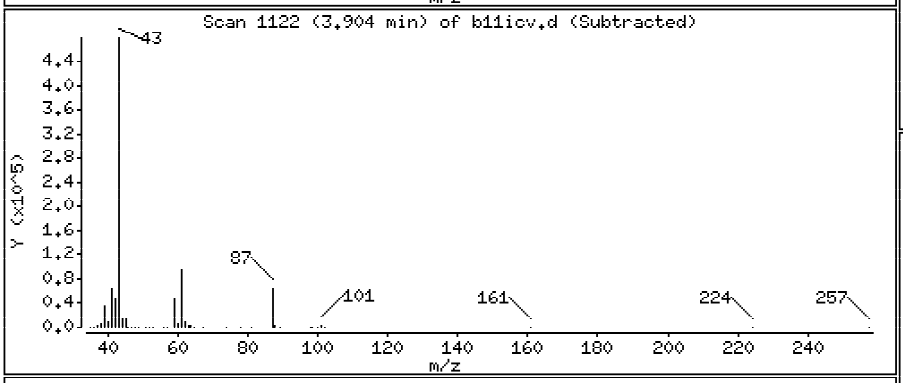
Purge Volume: 5.0 Operator: dae

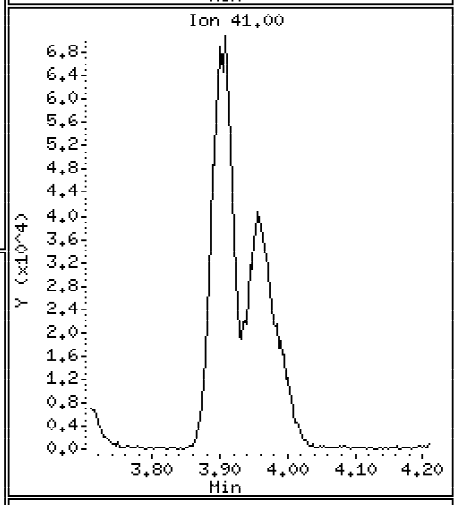
Column phase: DB-624 Column diameter: 0.18

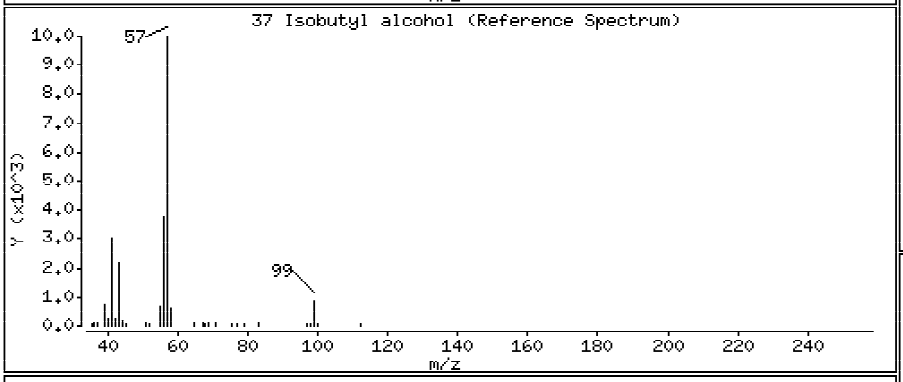
37 Isobutyl alcohol Concentration: 1010 ppb

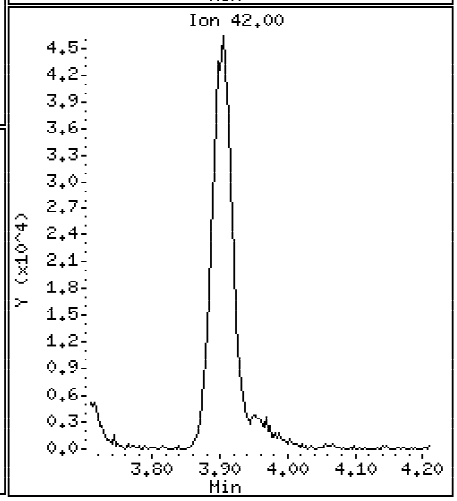


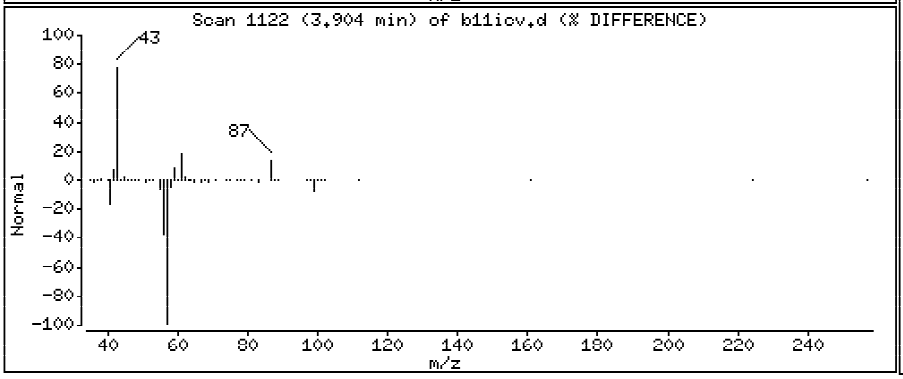












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 44

Date : 02-MAY-2014 16:27

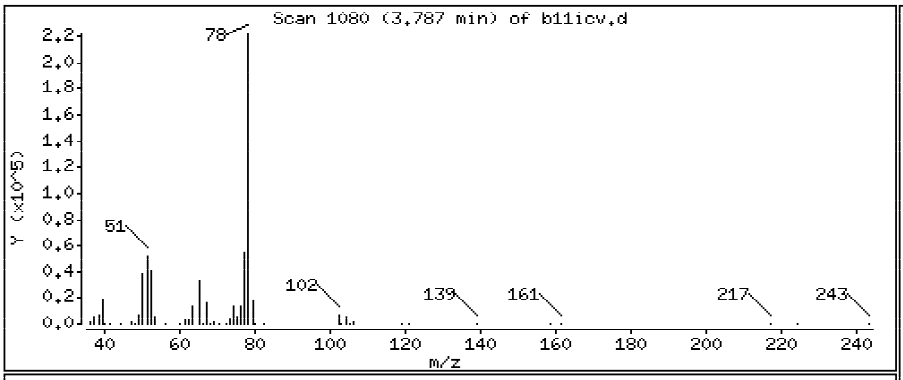
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

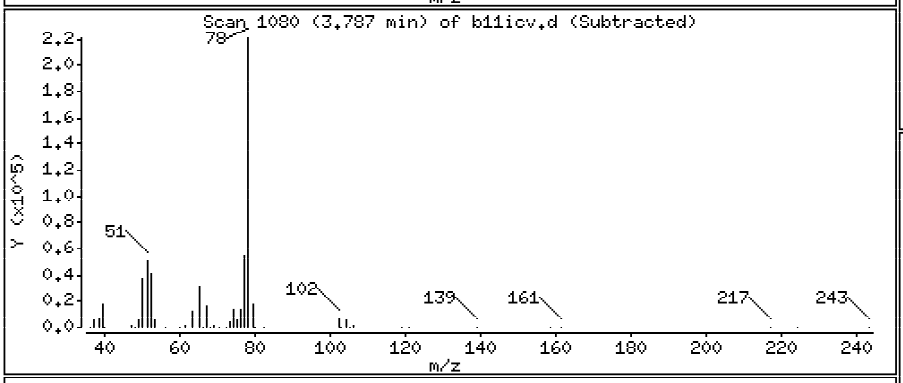
Sample Info: 8260-ICV,65556:0

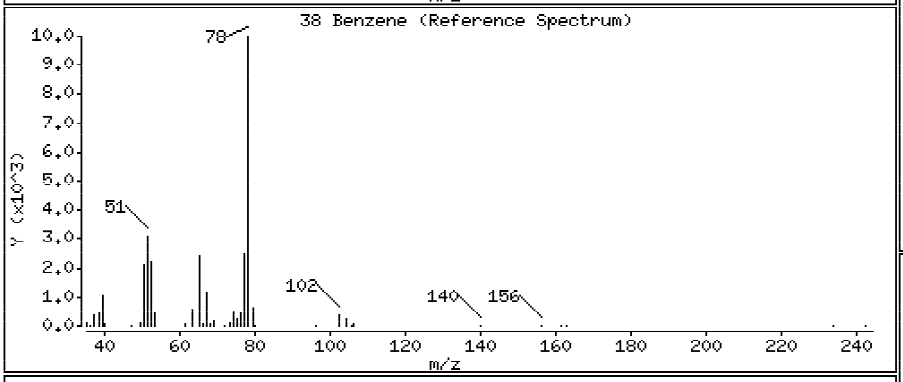
Purge Volume: 5.0 Operator: dae

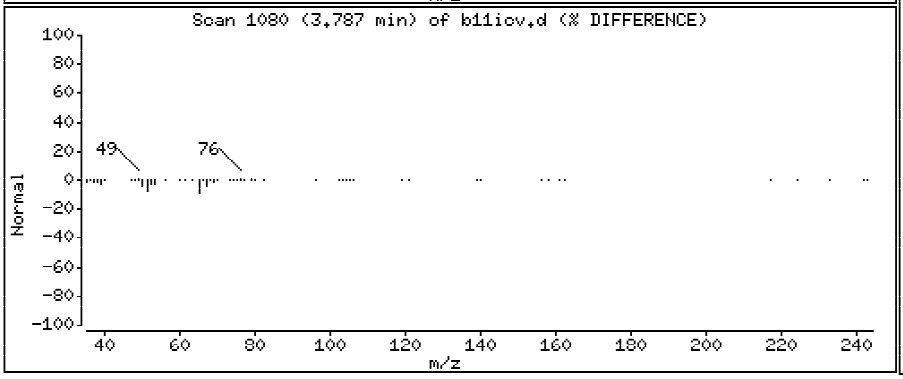
Column phase: DB-624 Column diameter: 0.18

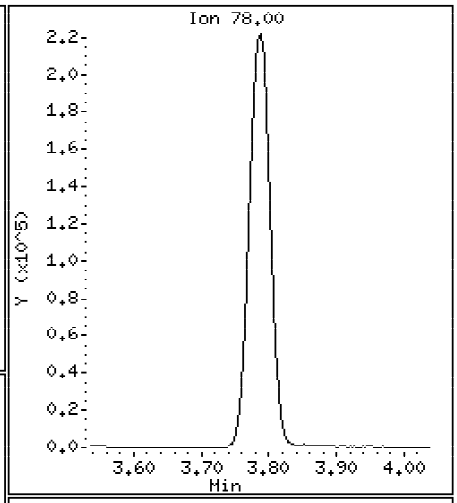
38 Benzene Concentration: 50.3 ppb

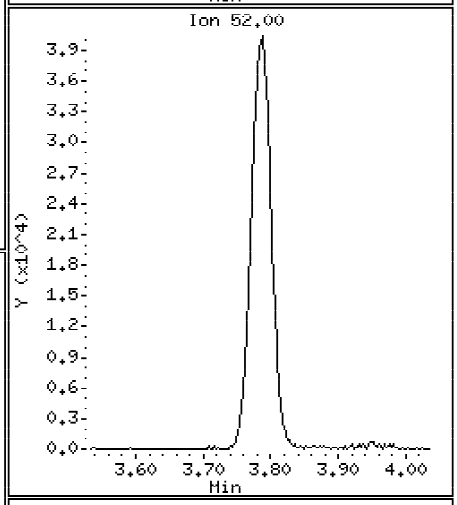


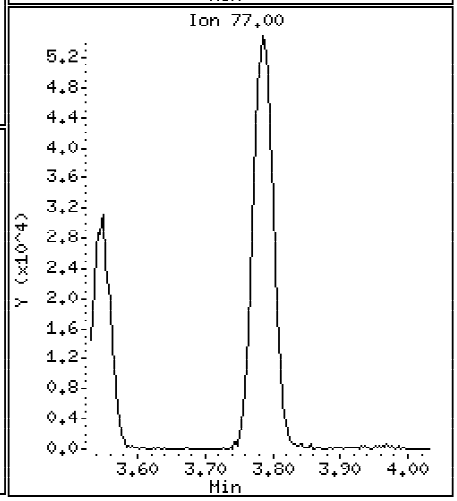












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 45

Date : 02-MAY-2014 16:27

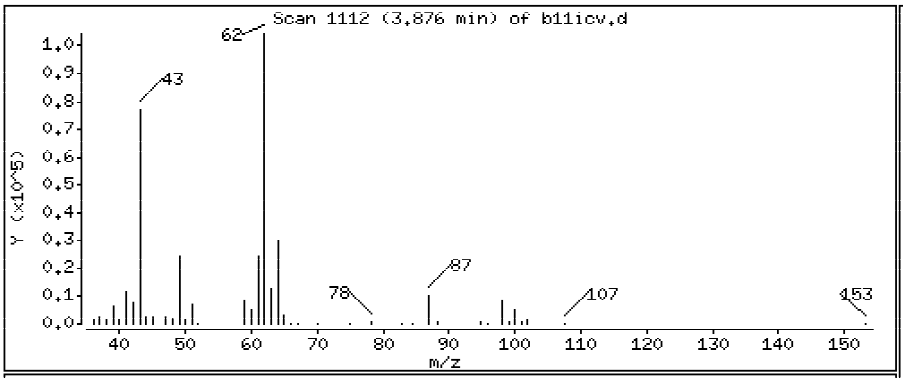
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

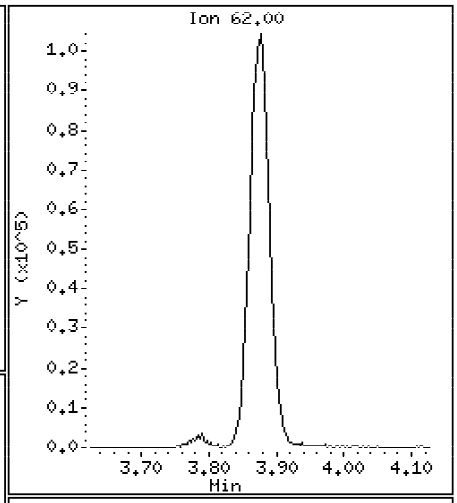
Sample Info: 8260-ICV,65556:0

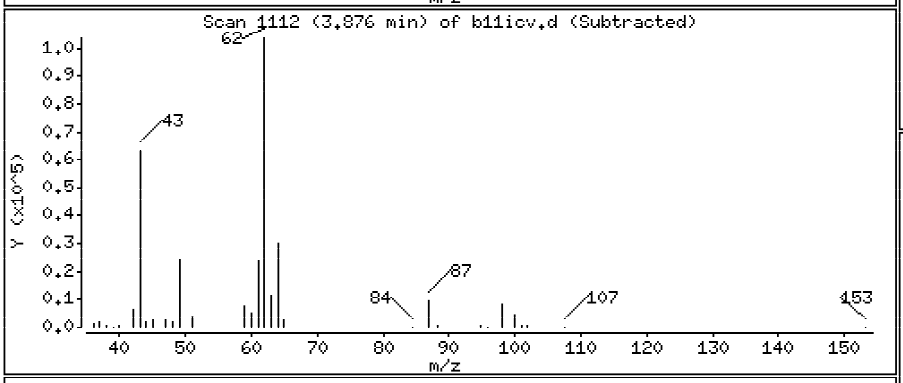
Purge Volume: 5.0 Operator: dae

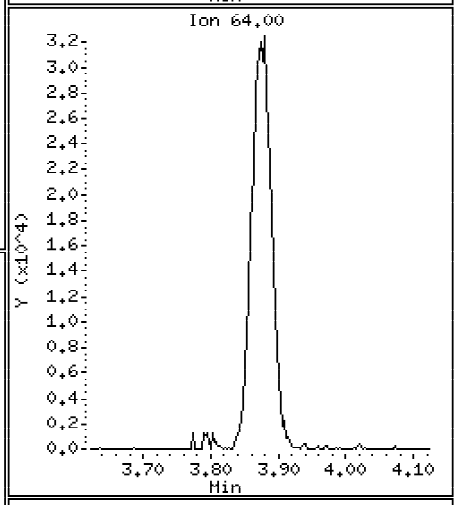
Column phase: DB-624 Column diameter: 0.18

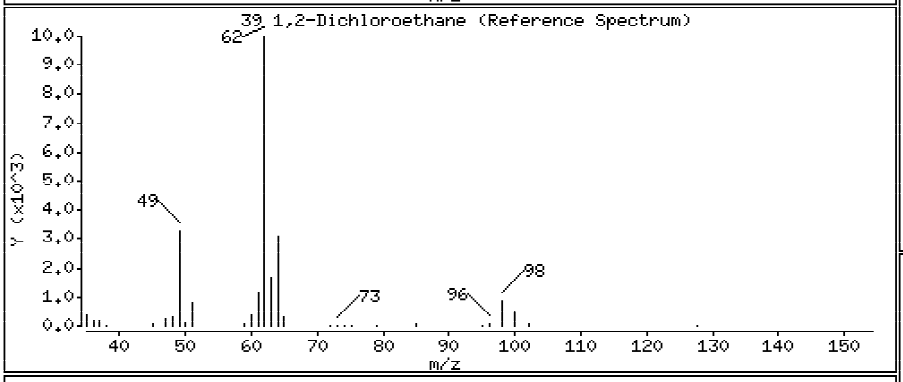
39 1,2-Dichloroethane Concentration: 50.3 ppb

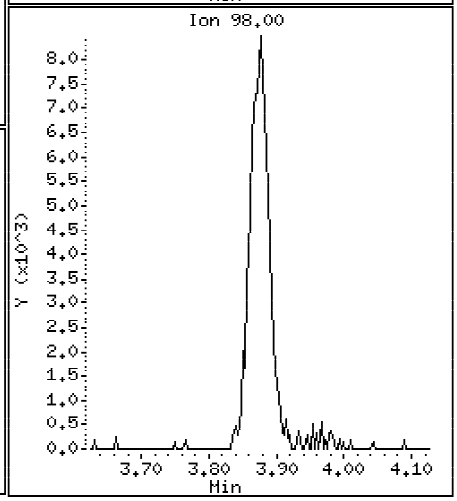


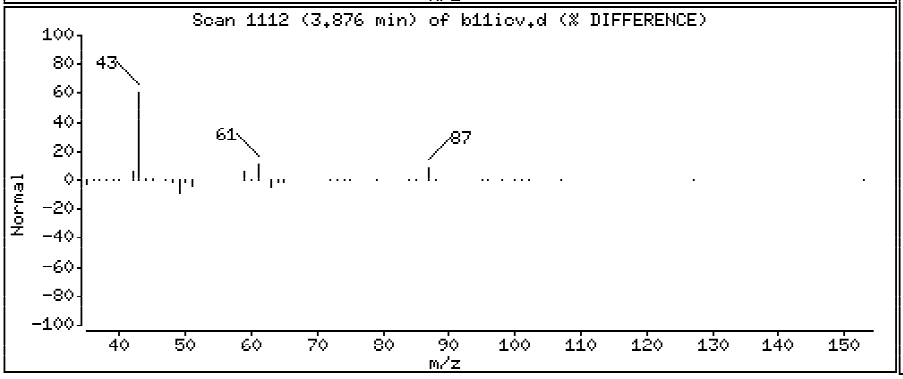












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 46

Date : 02-MAY-2014 16:27

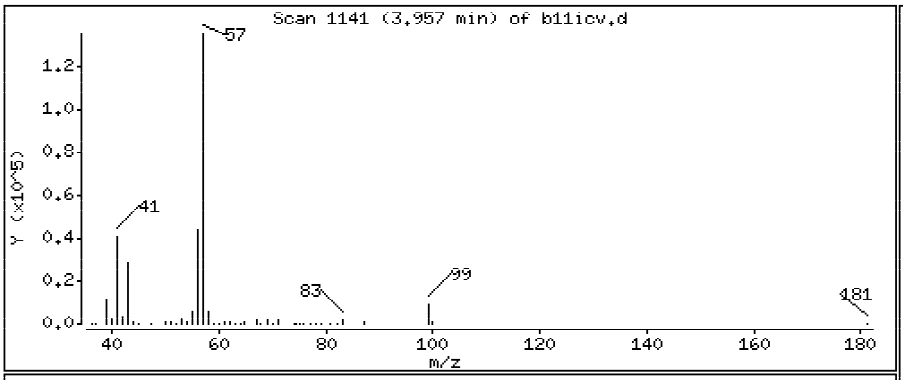
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

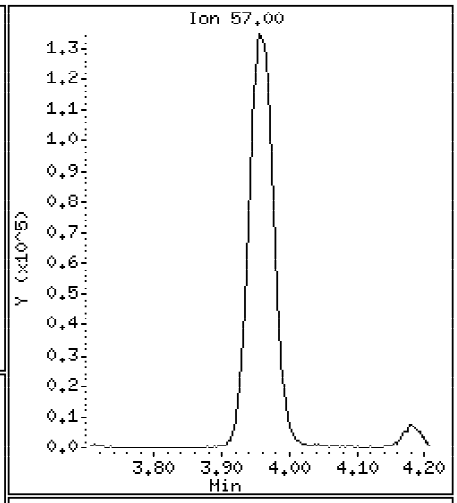
Sample Info: 8260-ICV,65556:0

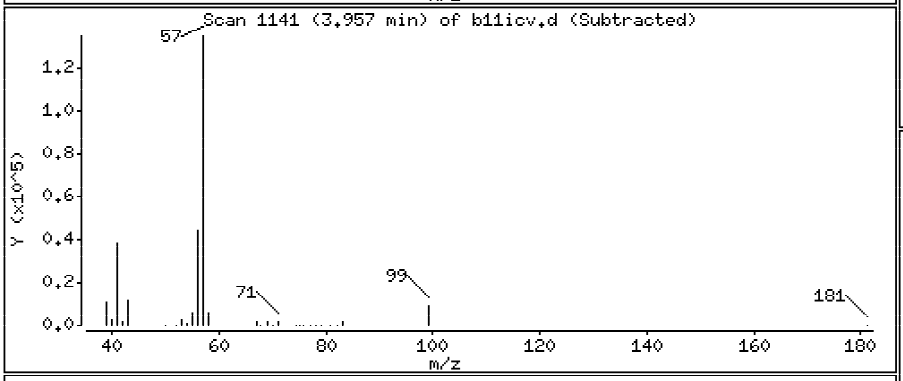
Purge Volume: 5.0 Operator: dae

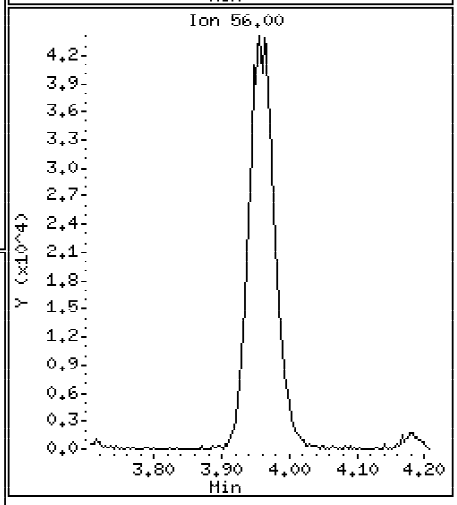
Column phase: DB-624 Column diameter: 0.18

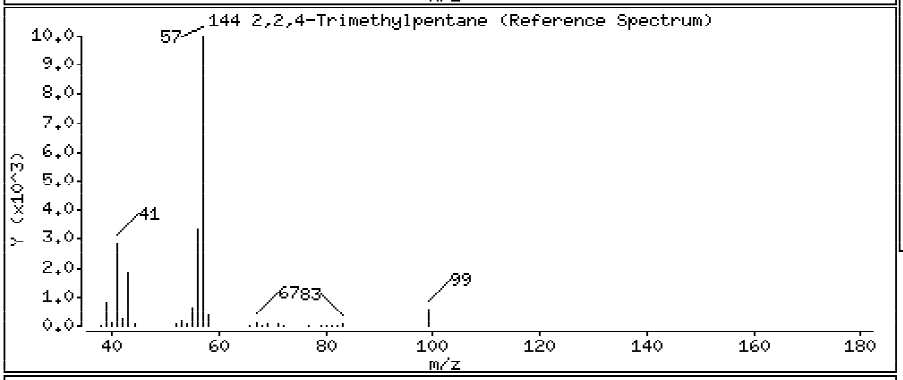
144 2,2,4-Trimethylpentane Concentration: 49.2 ppb

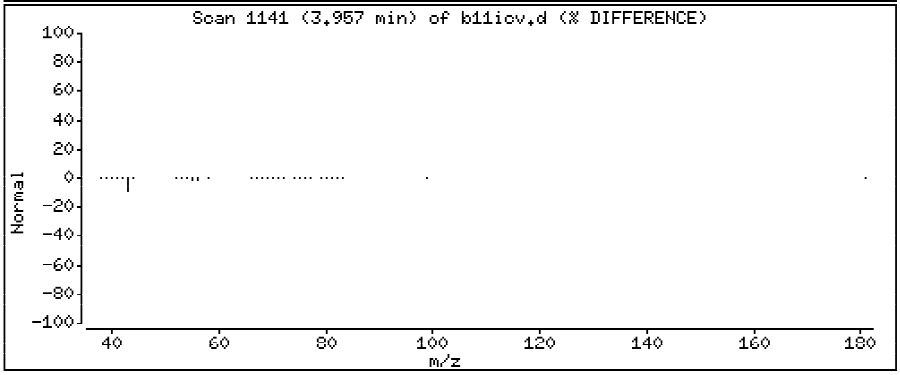












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 47

Date : 02-MAY-2014 16:27

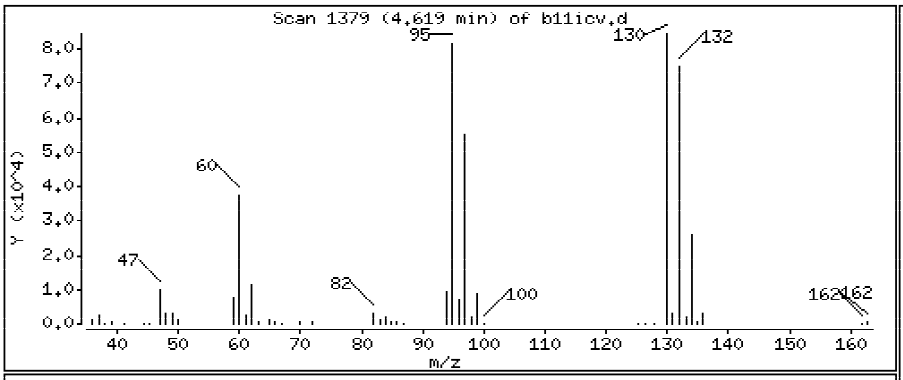
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

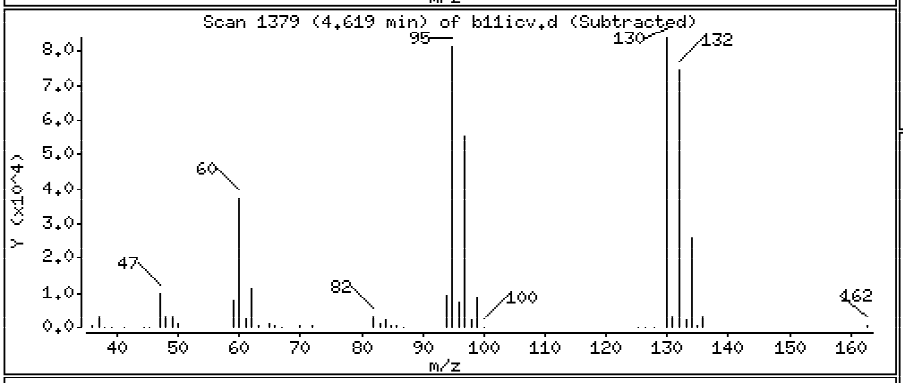
Sample Info: 8260-ICV,65556:0

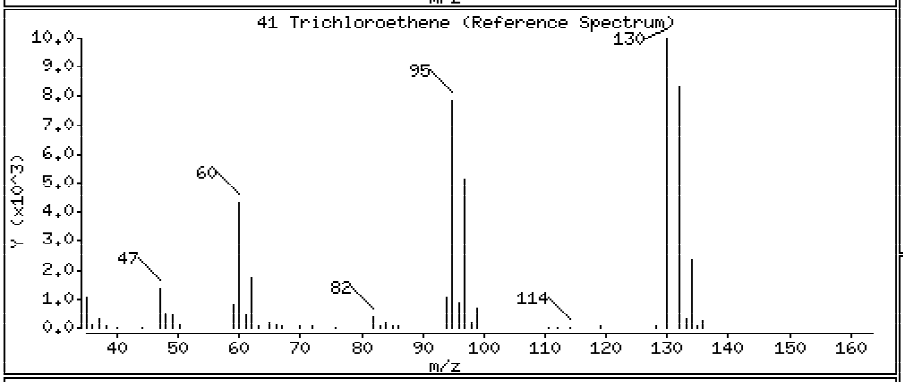
Purge Volume: 5.0 Operator: dae

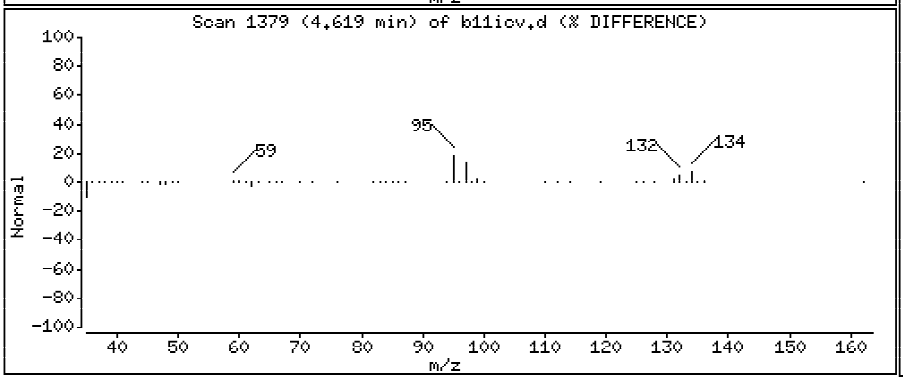
Column phase: DB-624 Column diameter: 0.18

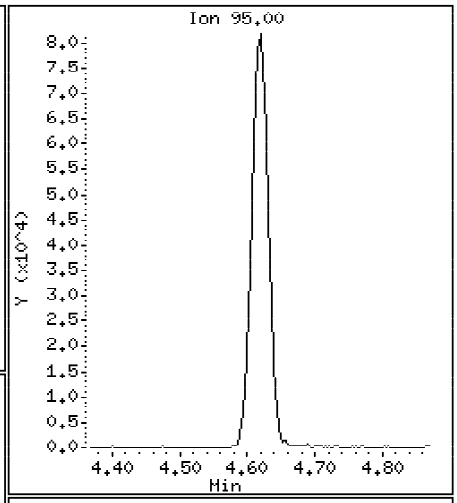
41 Trichloroethene Concentration: 50.4 ppb

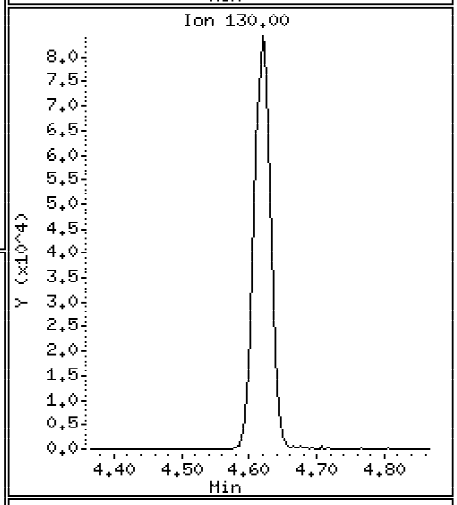


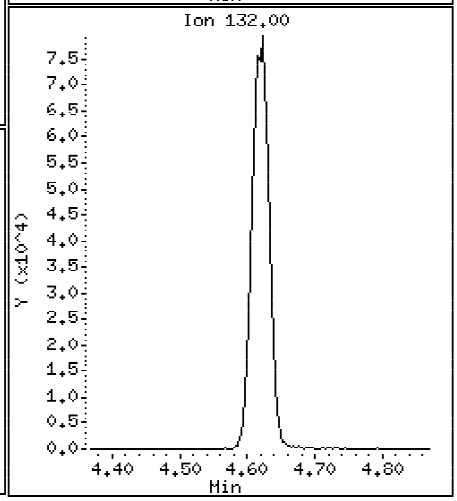












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 48

Date : 02-MAY-2014 16:27

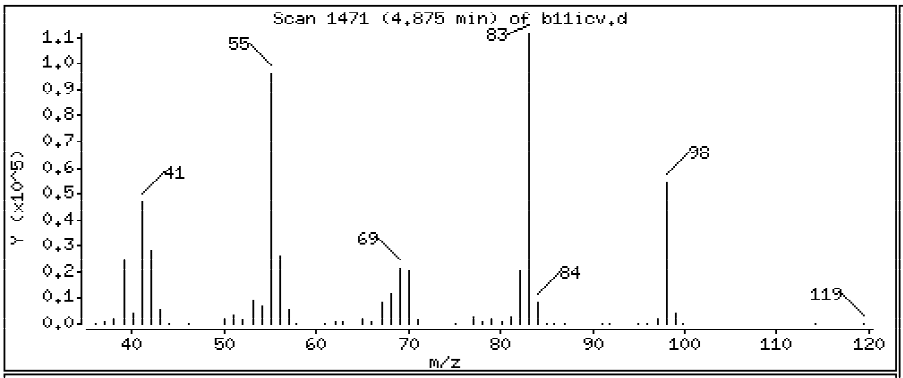
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

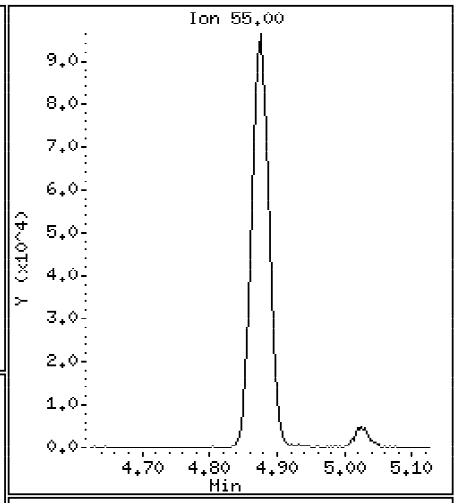
Sample Info: 8260-ICV,65556:0

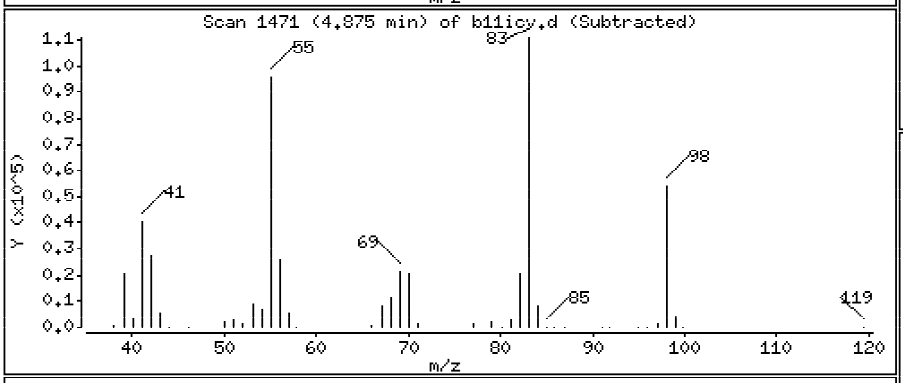
Purge Volume: 5.0 Operator: dae

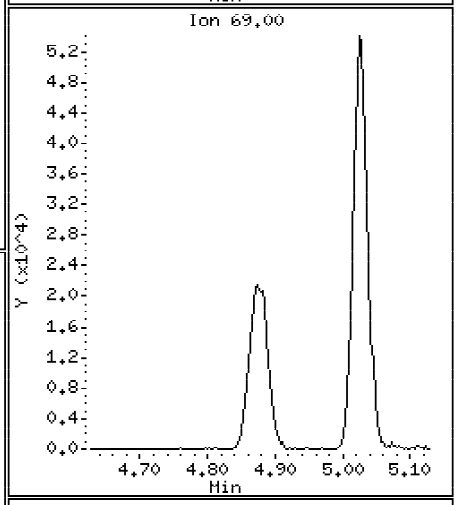
Column phase: DB-624 Column diameter: 0.18

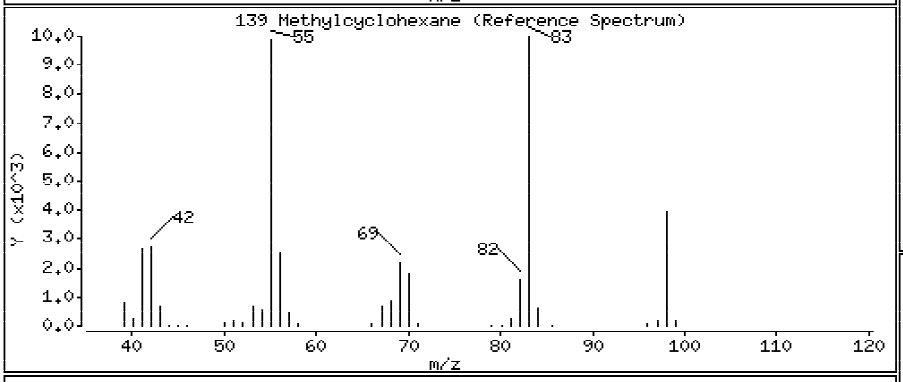
139 Methylcyclohexane Concentration: 57.1 ppb

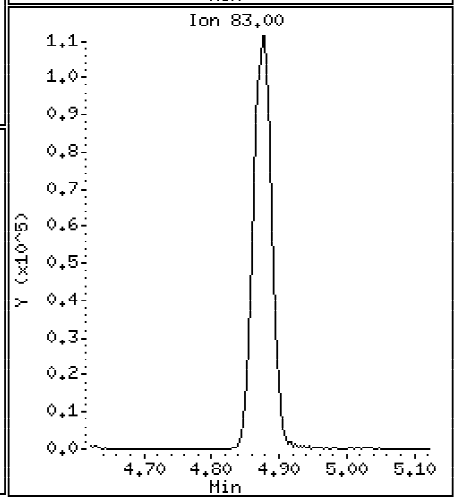


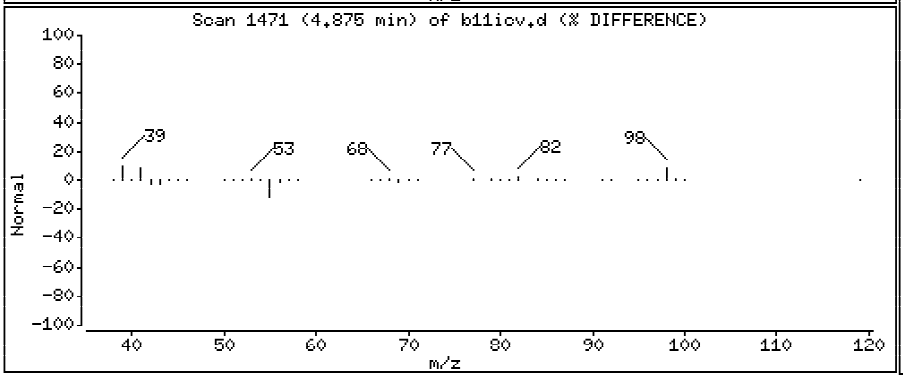












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 49

Date : 02-MAY-2014 16:27

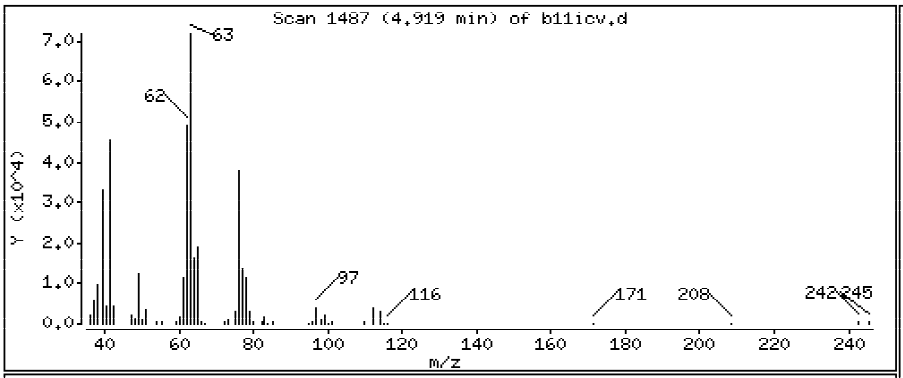
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

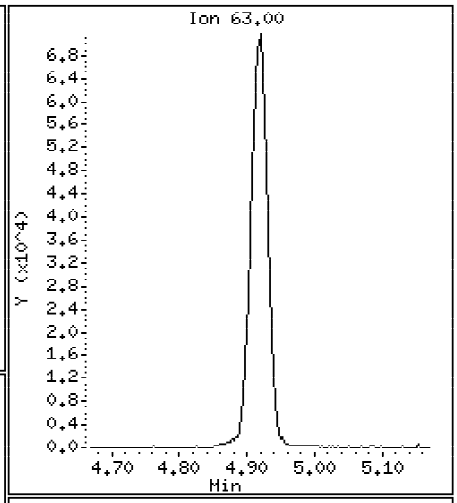
Sample Info: 8260-ICV,65556:0

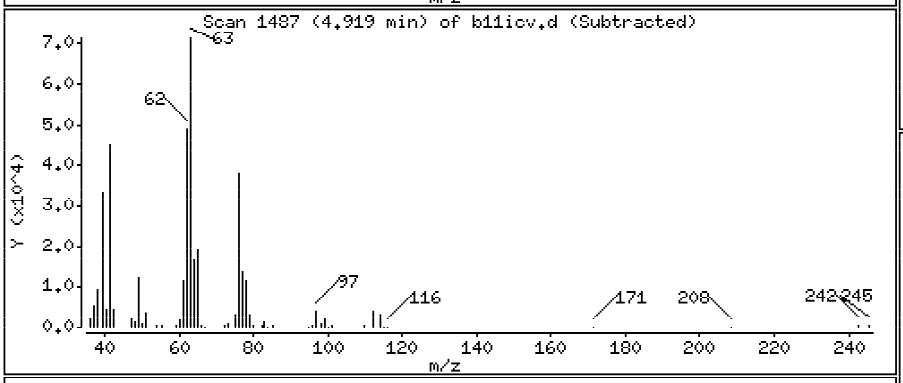
Purge Volume: 5.0 Operator: dae

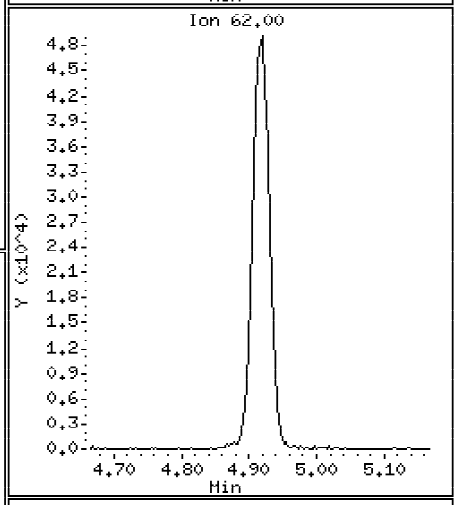
Column phase: DB-624 Column diameter: 0.18

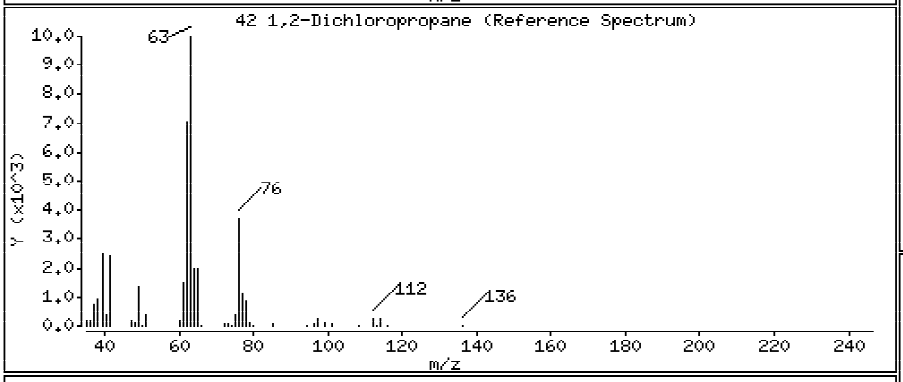
42 1,2-Dichloropropane Concentration: 53.6 ppb

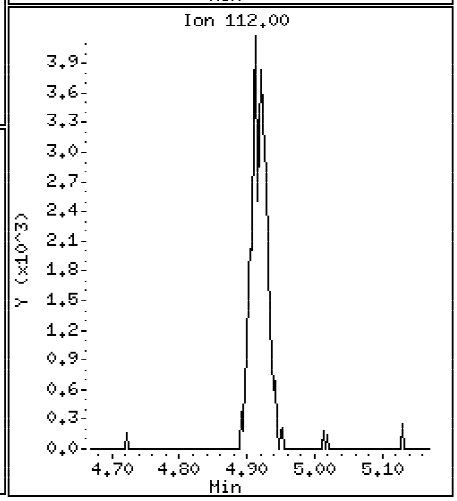


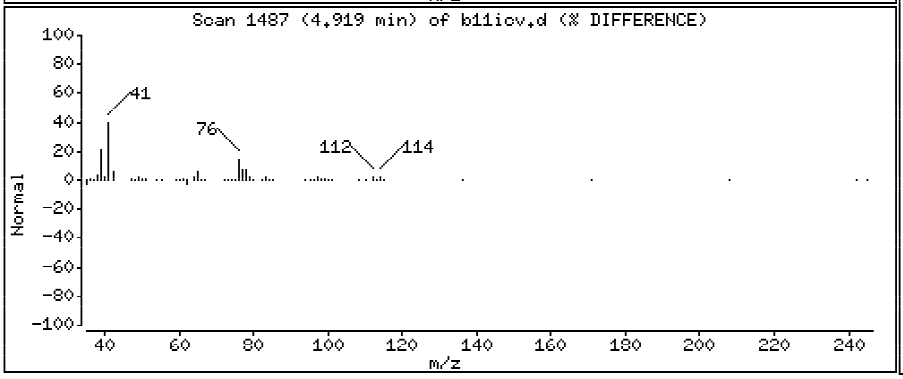












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 50

Date : 02-MAY-2014 16:27

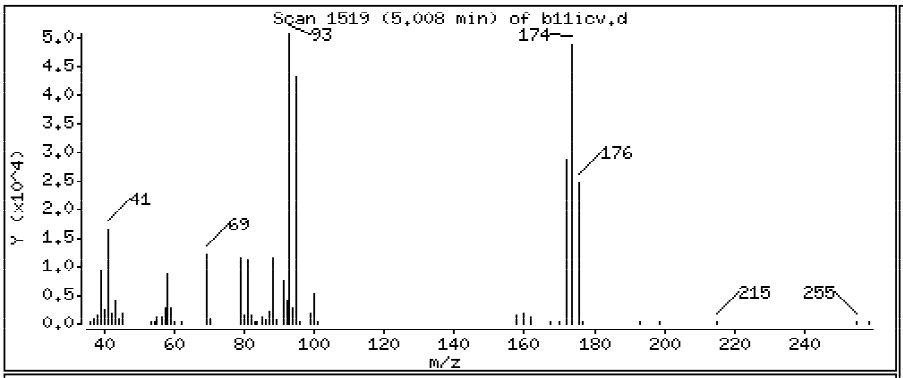
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

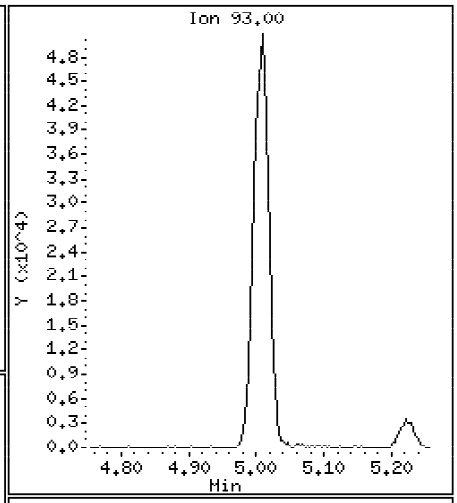
Sample Info: 8260-ICV,65556:0

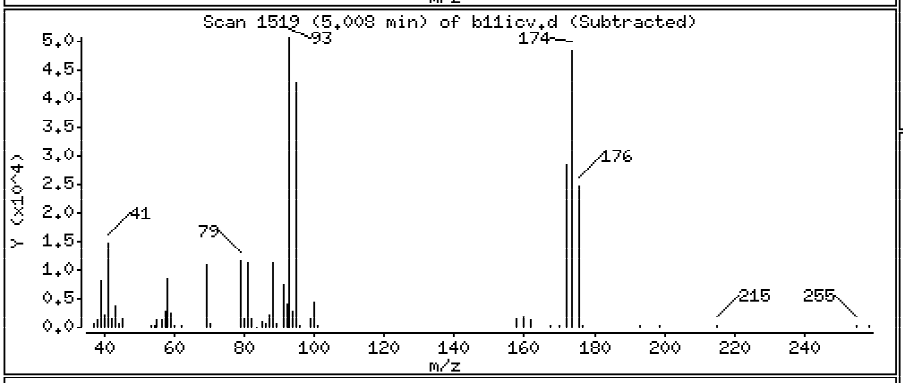
Purge Volume: 5.0 Operator: dae

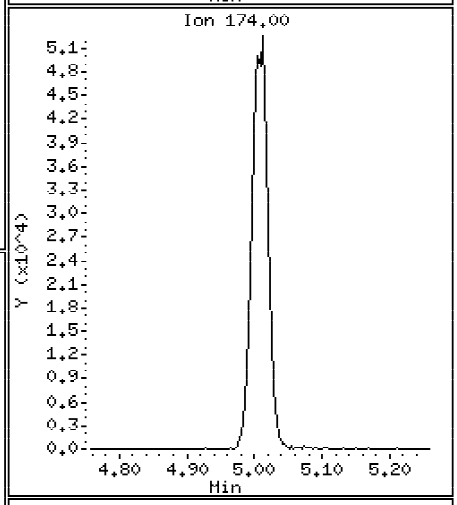
Column phase: DB-624 Column diameter: 0.18

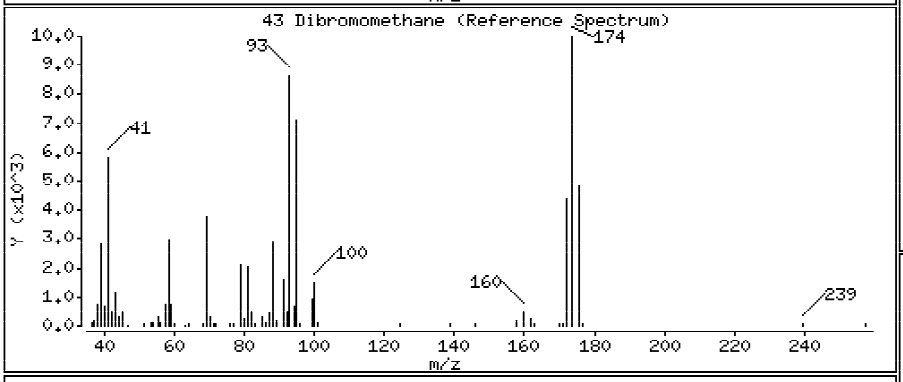
43 Dibromomethane Concentration: 49.1 ppb

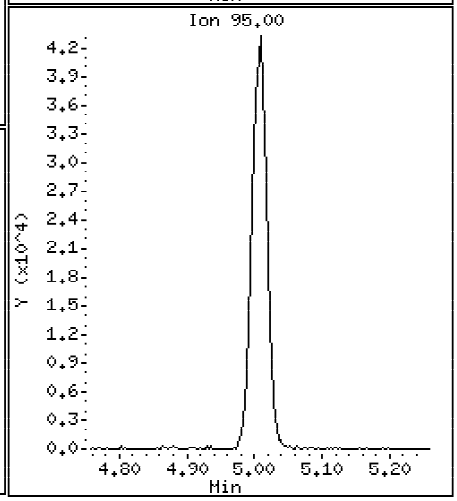


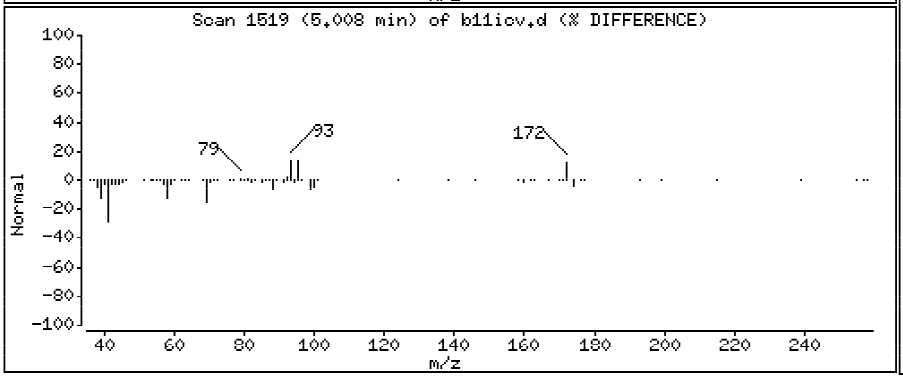












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 51

Date : 02-MAY-2014 16:27

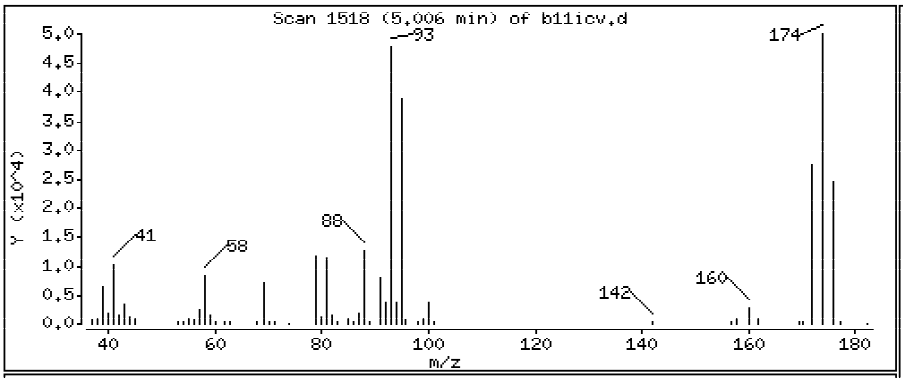
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

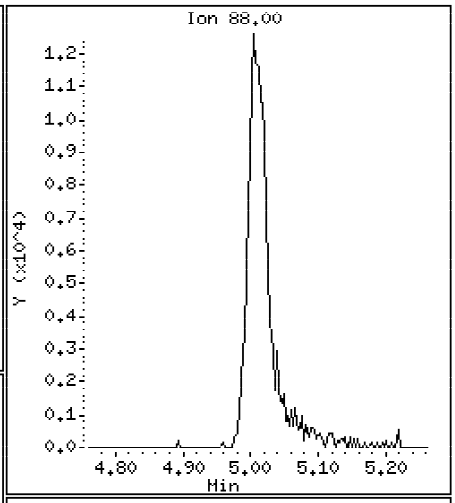
Sample Info: 8260-ICV,65556:0

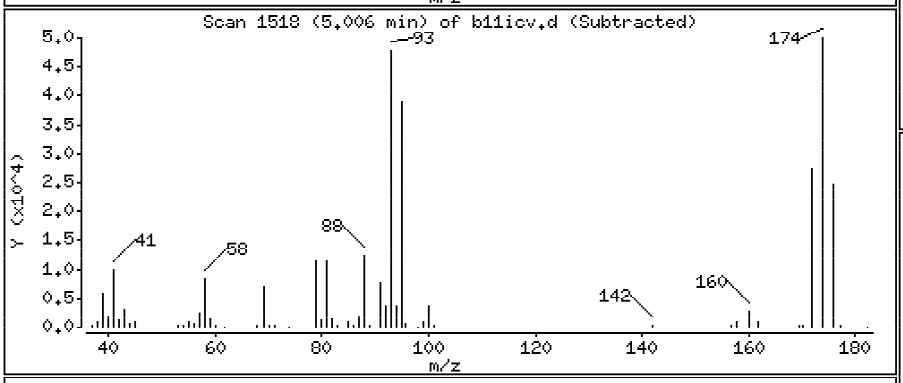
Purge Volume: 5.0 Operator: dae

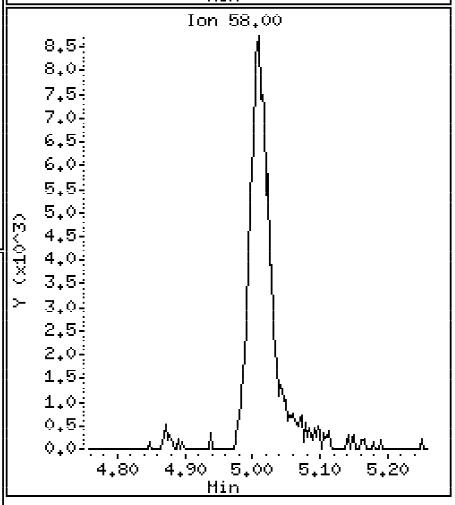
Column phase: DB-624 Column diameter: 0.18

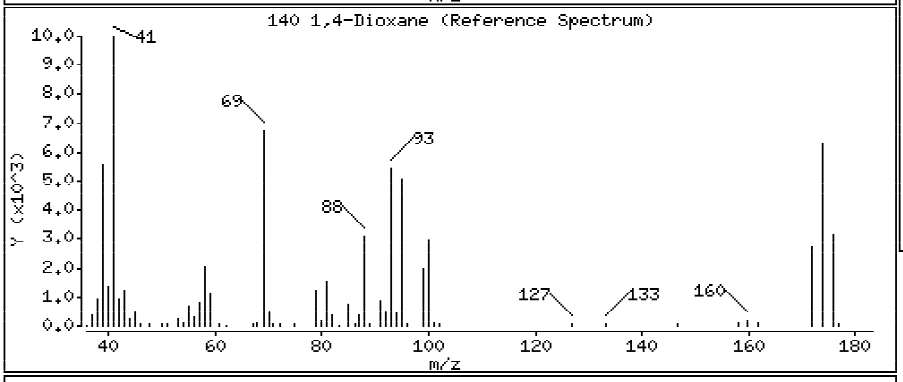
140 1,4-Dioxane Concentration: 49.5 ppb

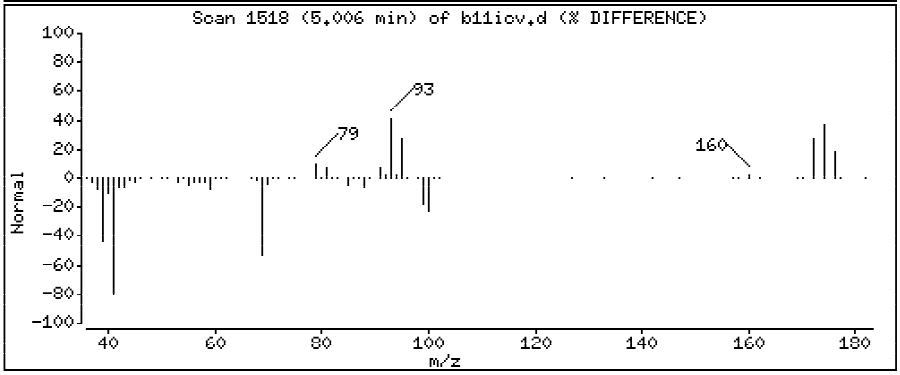












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 52

Date : 02-MAY-2014 16:27

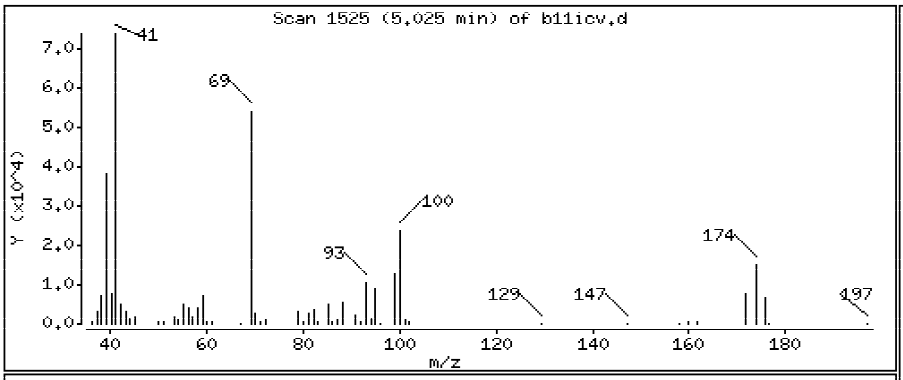
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

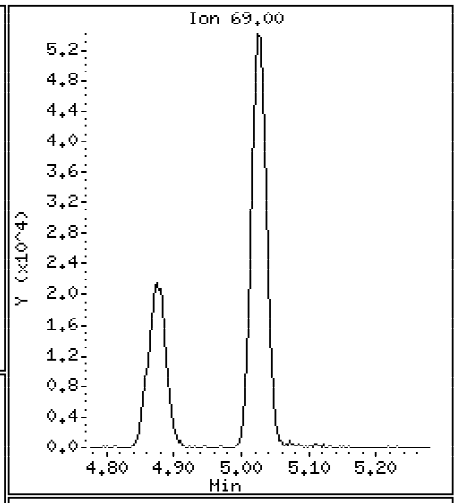
Sample Info: 8260-ICV,65556:0

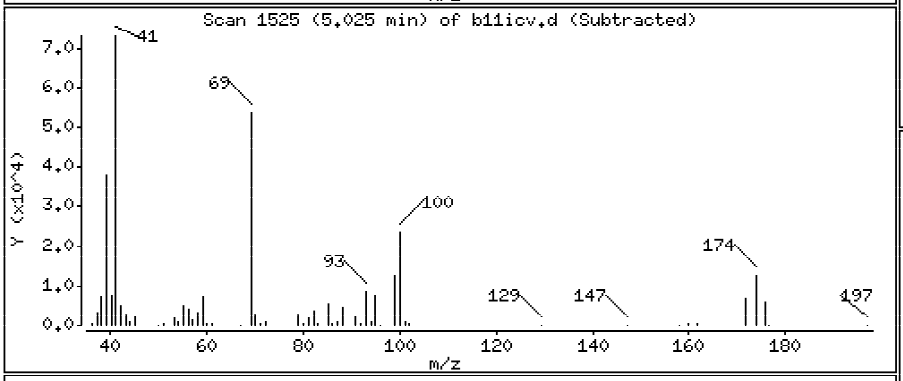
Purge Volume: 5.0 Operator: dae

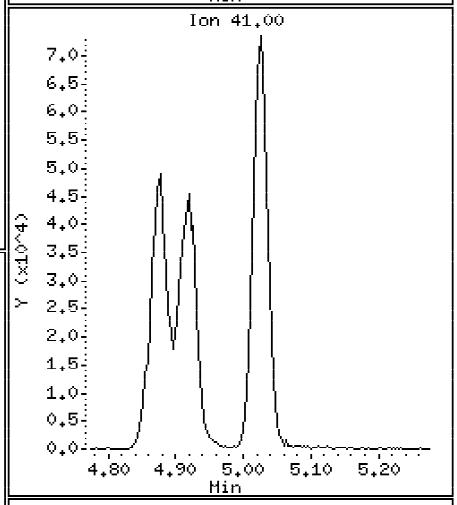
Column phase: DB-624 Column diameter: 0.18

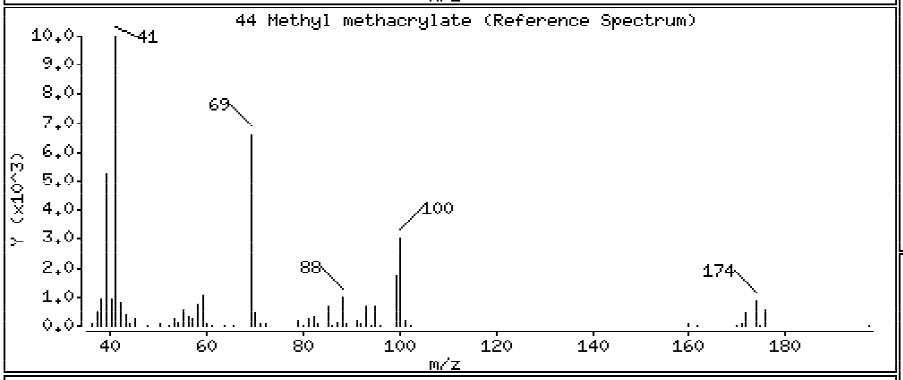
44 Methyl methacrylate Concentration: 54.4 ppb

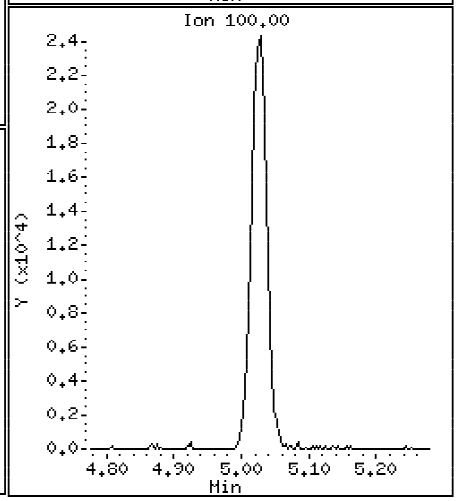


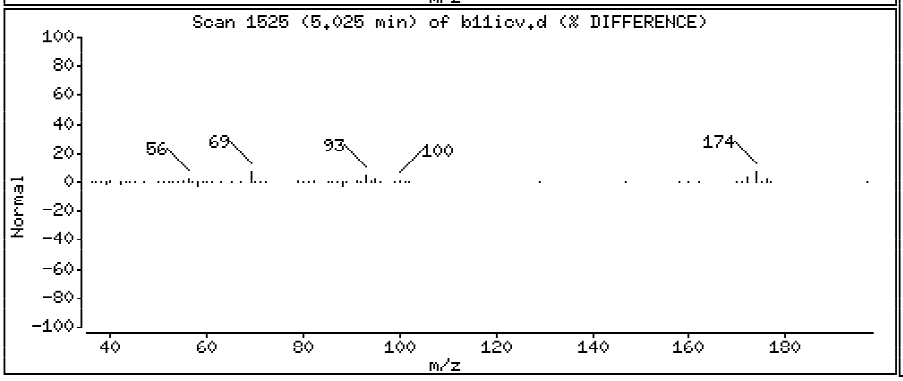












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 53

Date : 02-MAY-2014 16:27

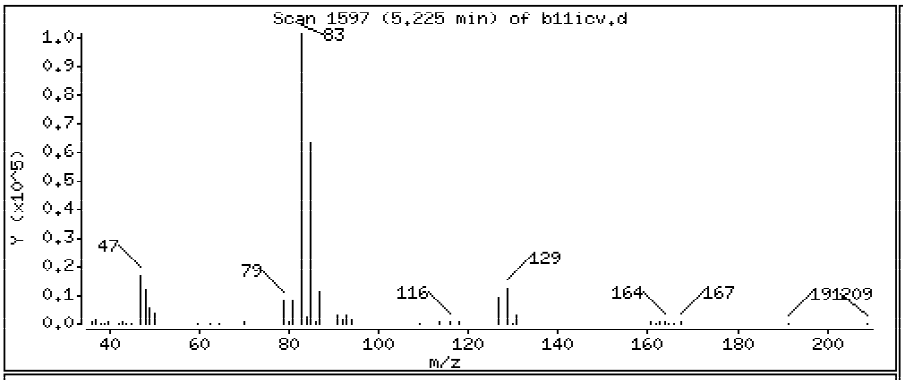
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

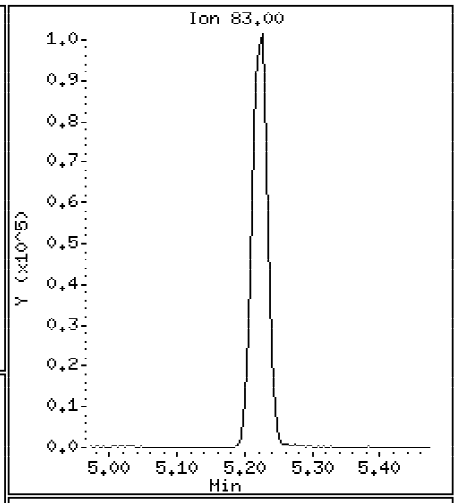
Sample Info: 8260-ICV,65556:0

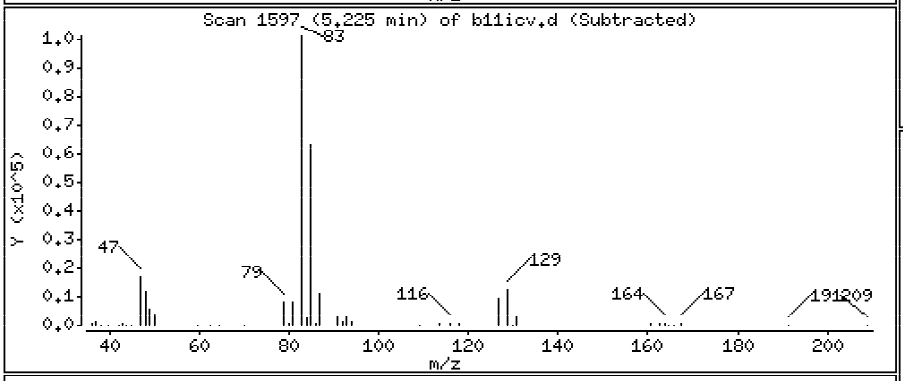
Purge Volume: 5.0 Operator: dae

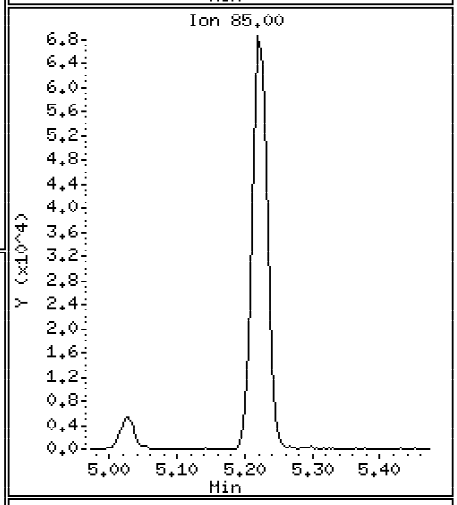
Column phase: DB-624 Column diameter: 0.18

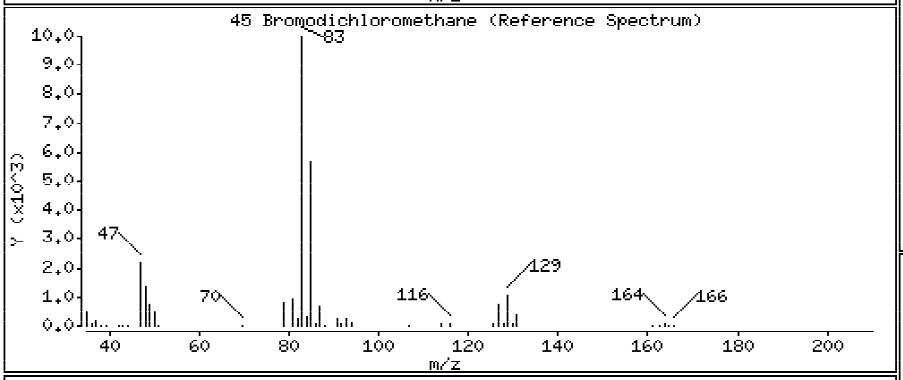
45 Bromodichloromethane Concentration: 53.9 ppb

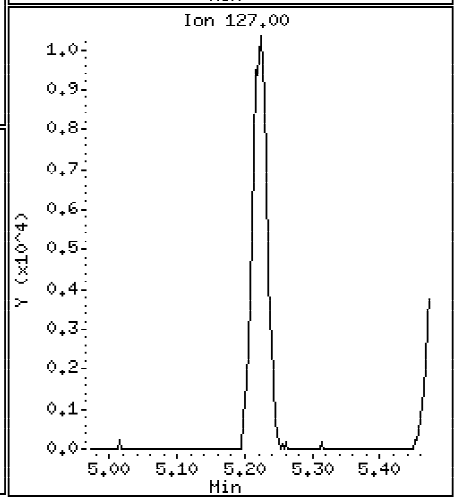


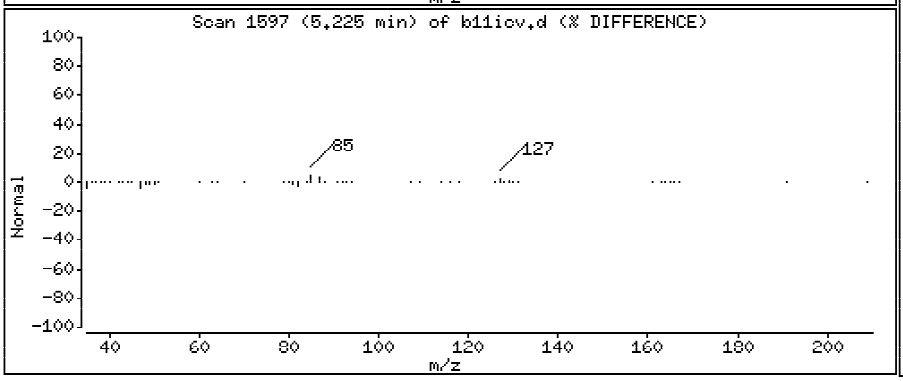












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 54

Date : 02-MAY-2014 16:27

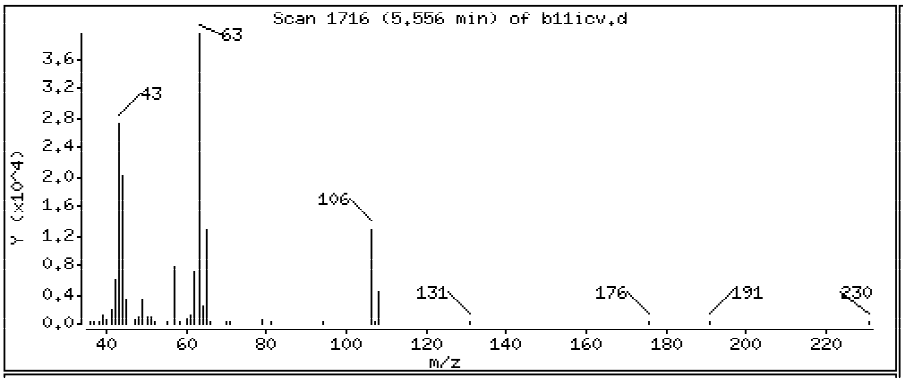
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

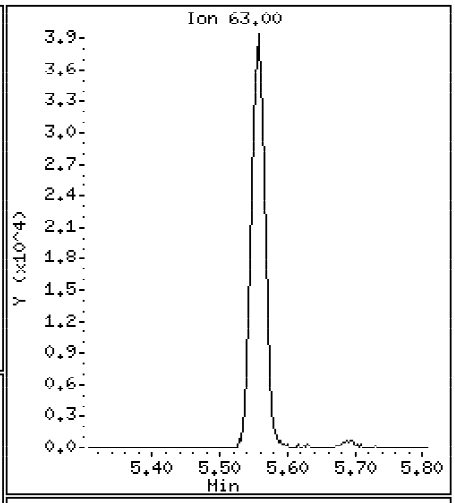
Sample Info: 8260-ICV,65556:0

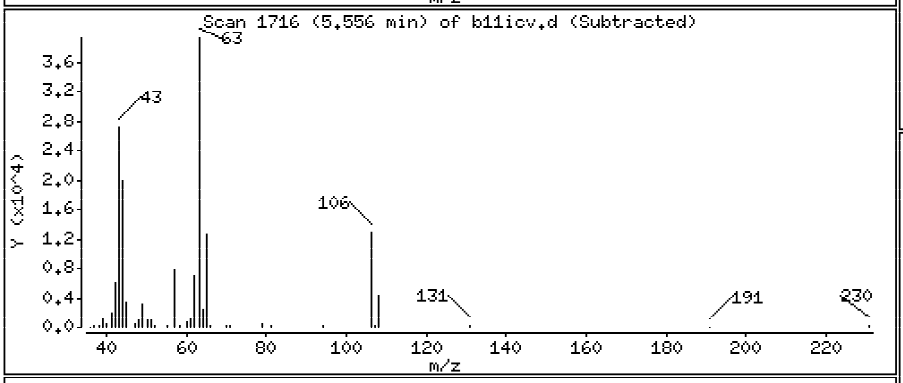
Purge Volume: 5.0 Operator: dae

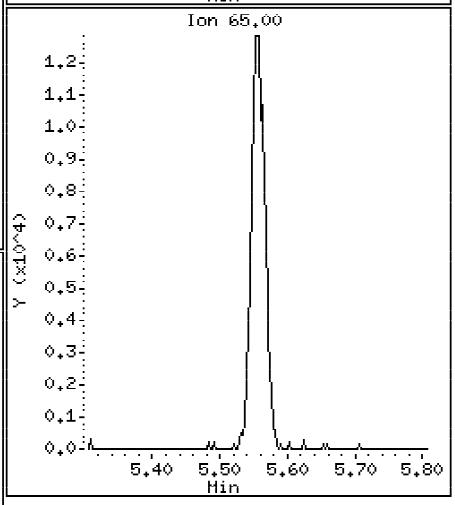
Column phase: DB-624 Column diameter: 0.18

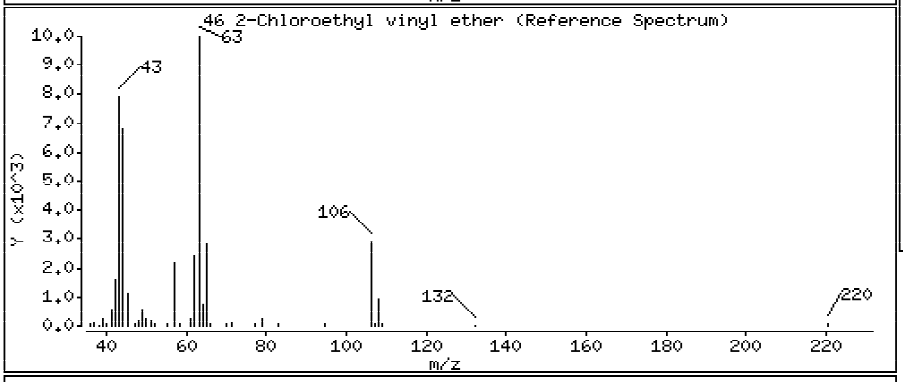
46 2-Chloroethyl vinyl ether Concentration: 121 ppb

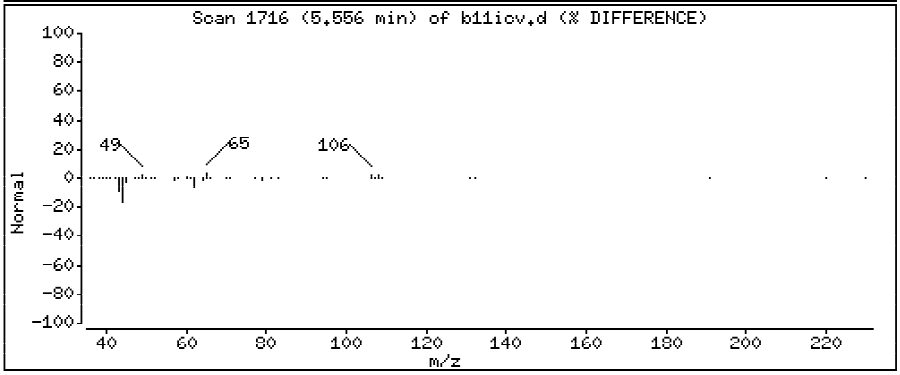












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 55

Date : 02-MAY-2014 16:27

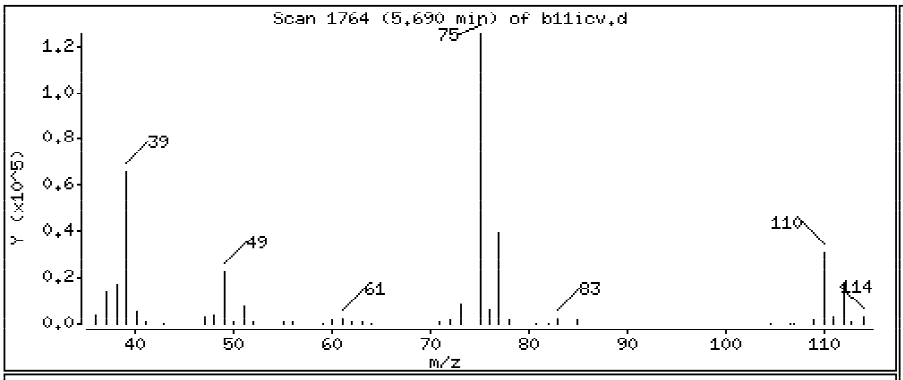
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

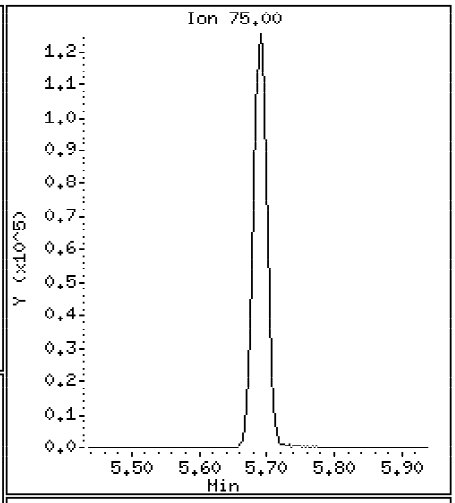
Sample Info: 8260-ICV,65556:0

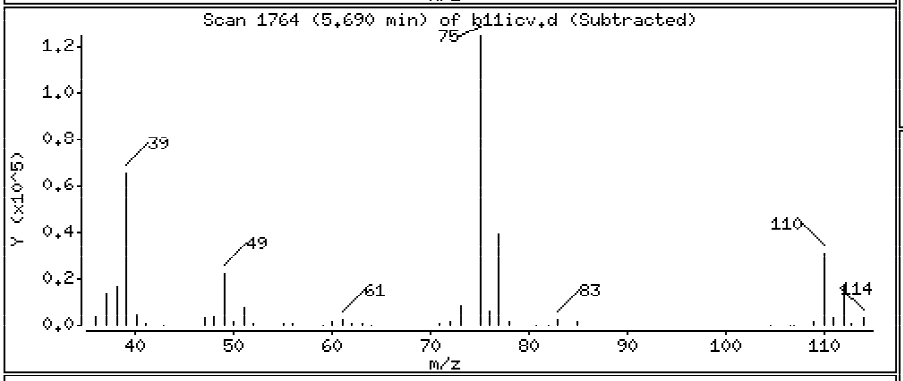
Purge Volume: 5.0 Operator: dae

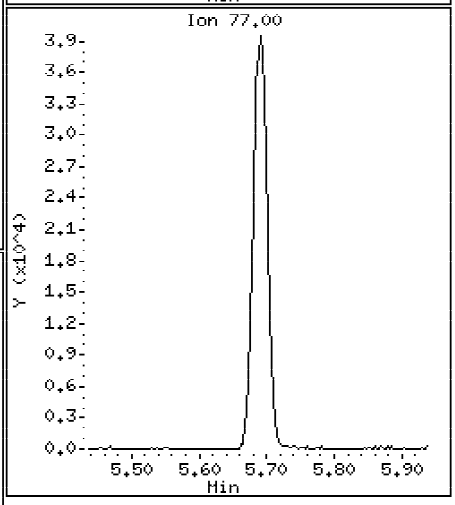
Column phase: DB-624 Column diameter: 0.18

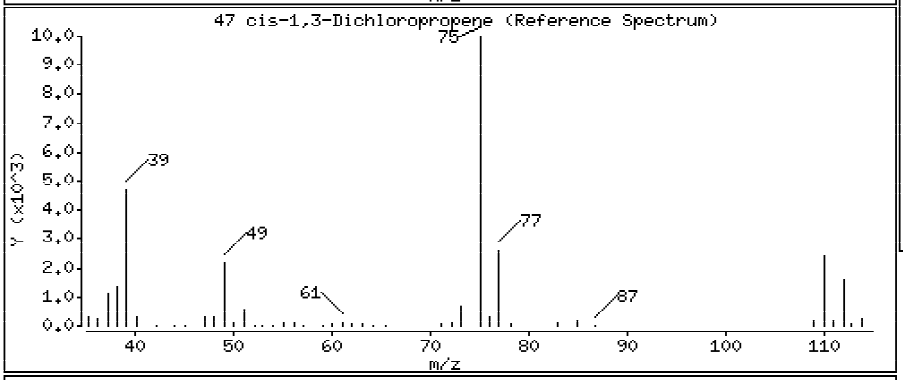
47 cis-1,3-Dichloropropene Concentration: 47.9 ppb

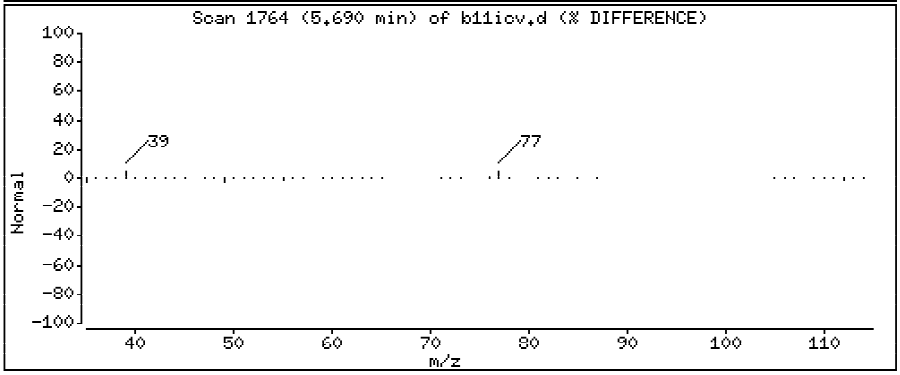












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 56

Date : 02-MAY-2014 16:27

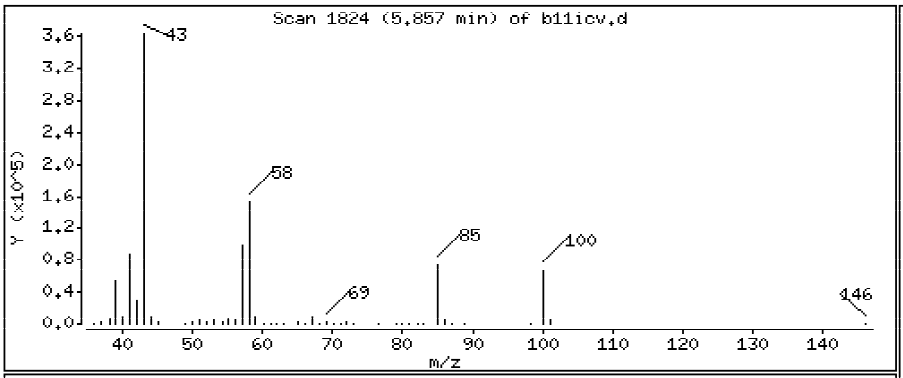
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

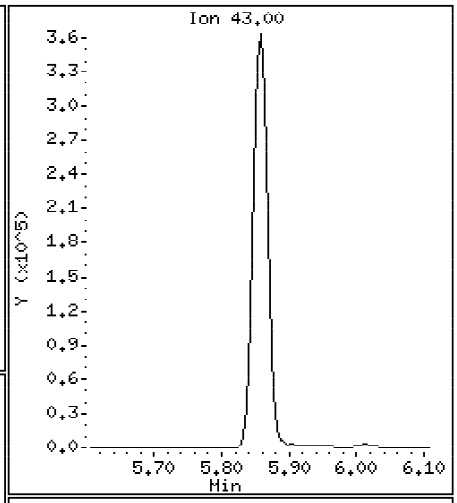
Sample Info: 8260-ICV,65556:0

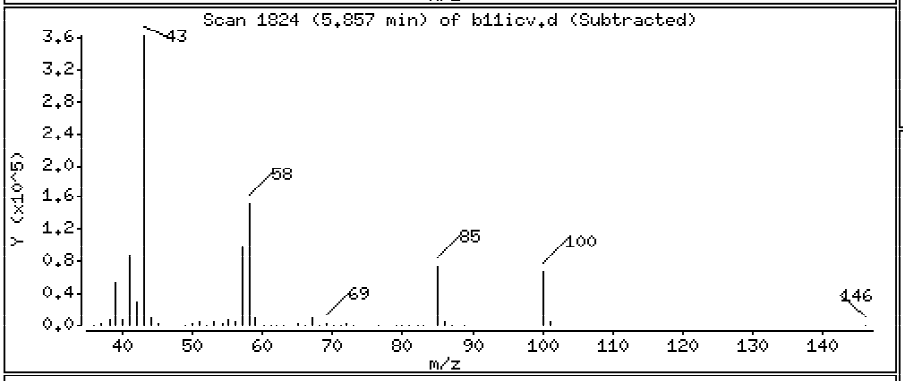
Purge Volume: 5.0 Operator: dae

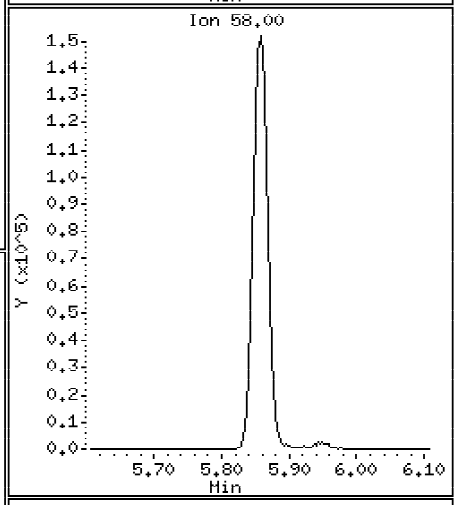
Column phase: DB-624 Column diameter: 0.18

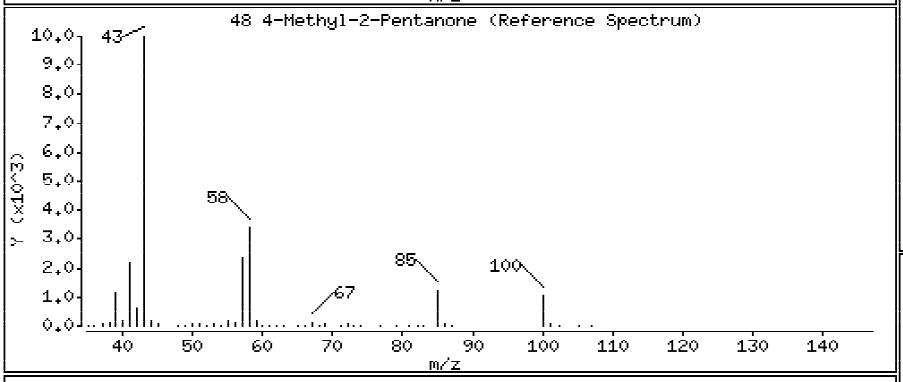
48 4-Methyl-2-Pentanone Concentration: 276 ppb

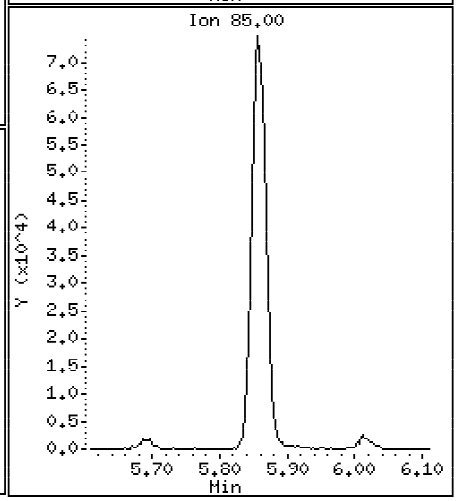


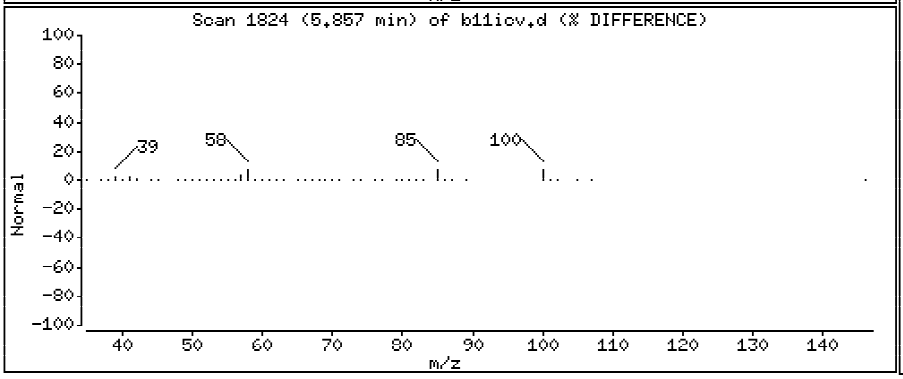












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 57

Date : 02-MAY-2014 16:27

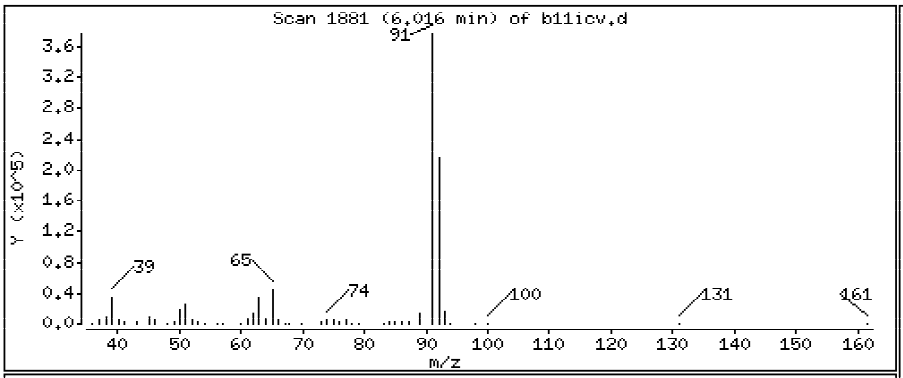
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

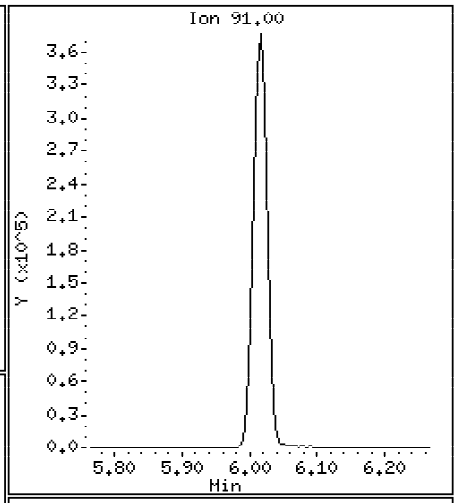
Sample Info: 8260-ICV,65556:0

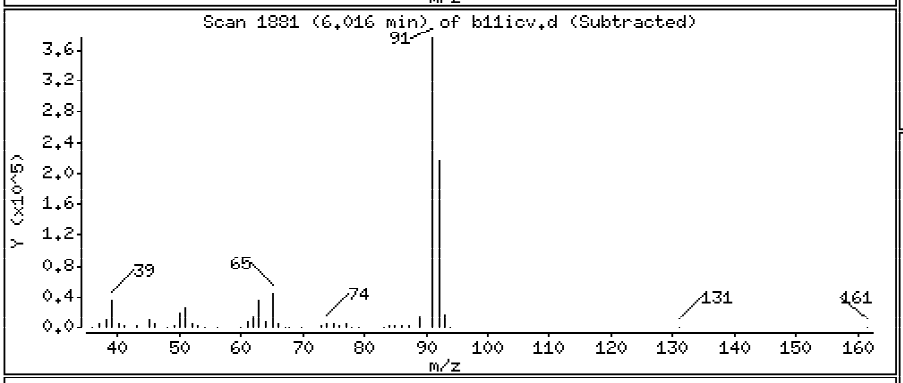
Purge Volume: 5.0 Operator: dae

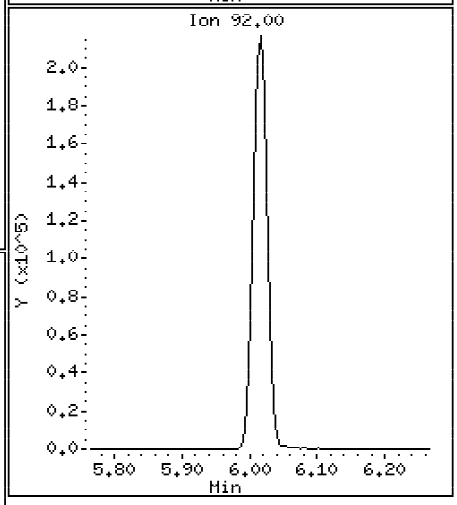
Column phase: DB-624 Column diameter: 0.18

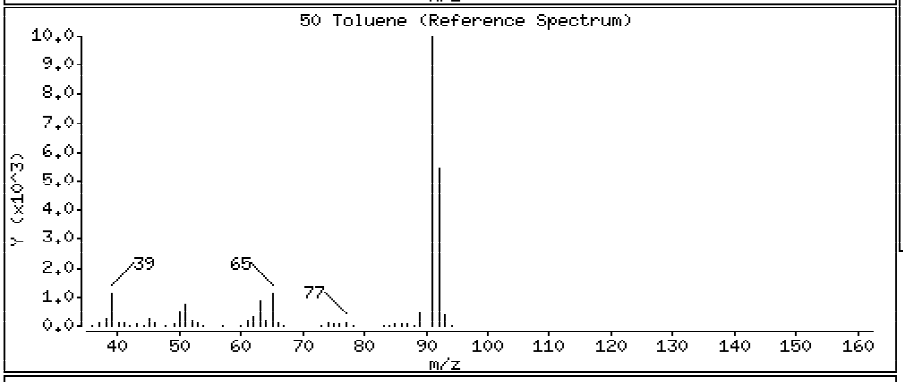
50 Toluene Concentration: 51.5 ppb

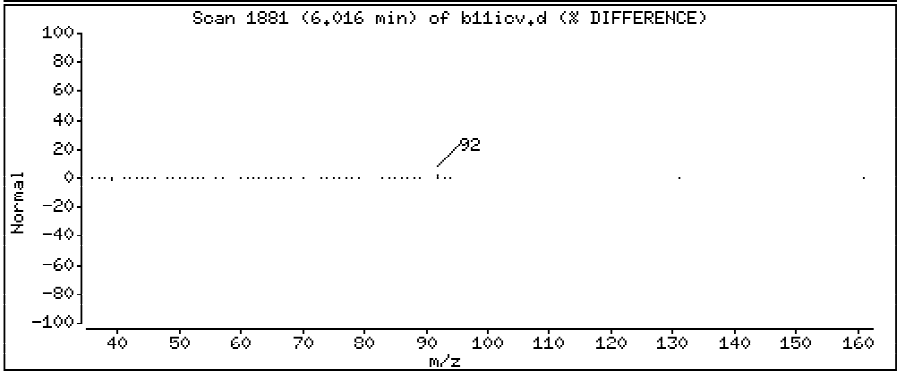












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 58

Date : 02-MAY-2014 16:27

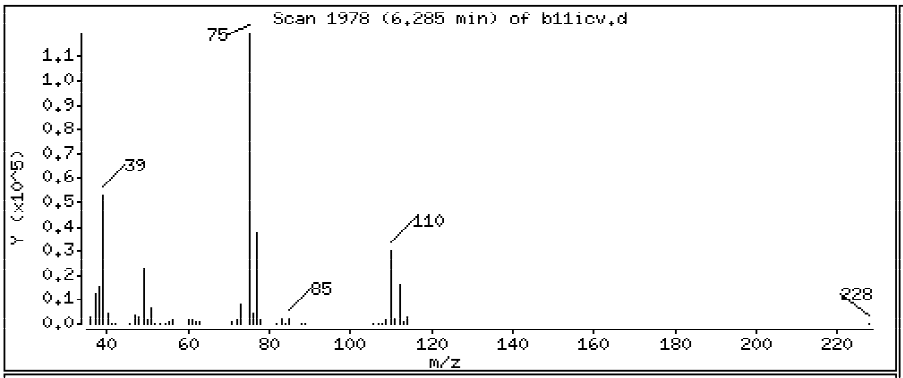
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

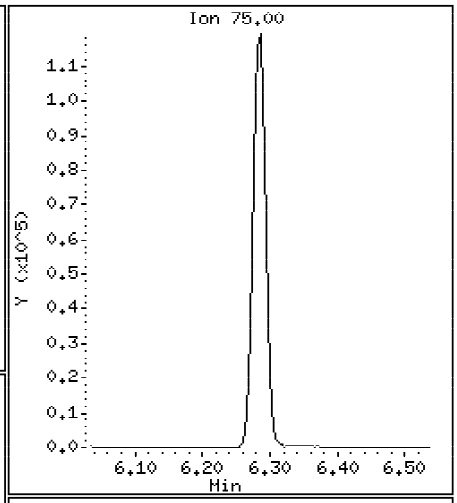
Sample Info: 8260-ICV,65556:0

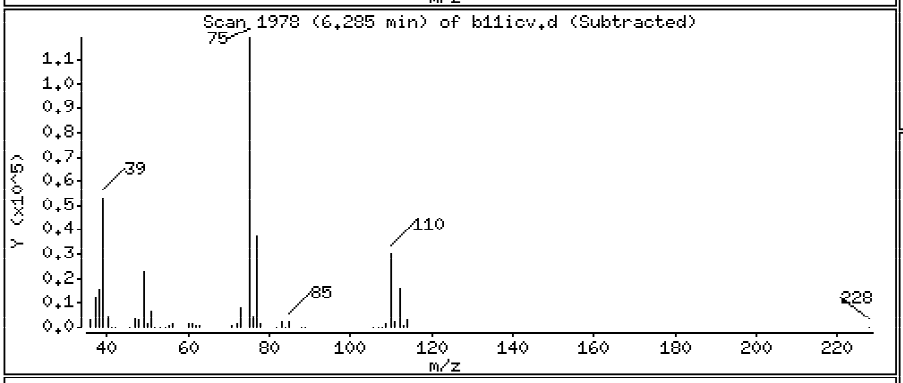
Purge Volume: 5.0 Operator: dae

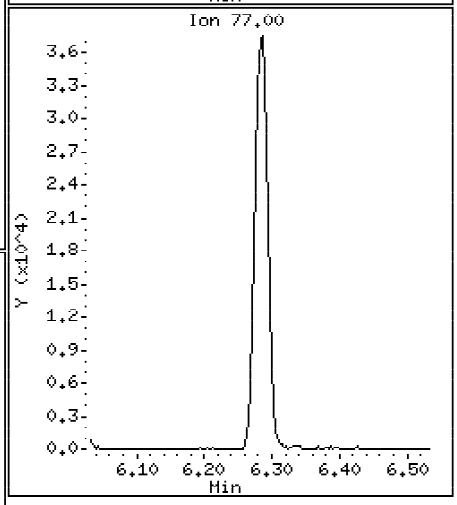
Column phase: DB-624 Column diameter: 0.18

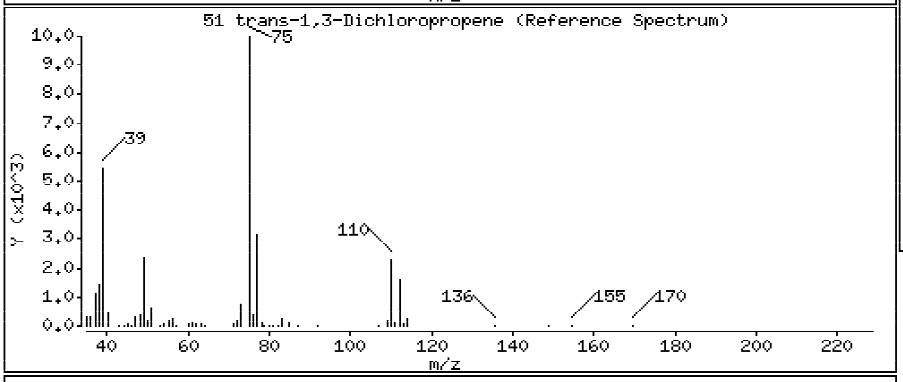
51 trans-1,3-Dichloropropene Concentration: 46.9 ppb

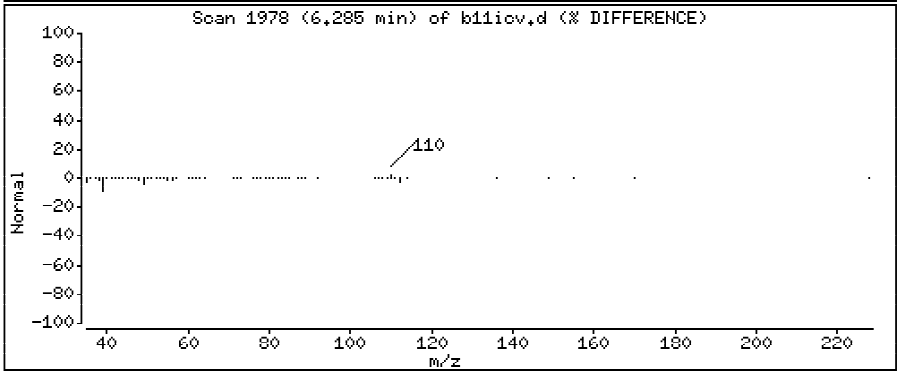












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 59

Date : 02-MAY-2014 16:27

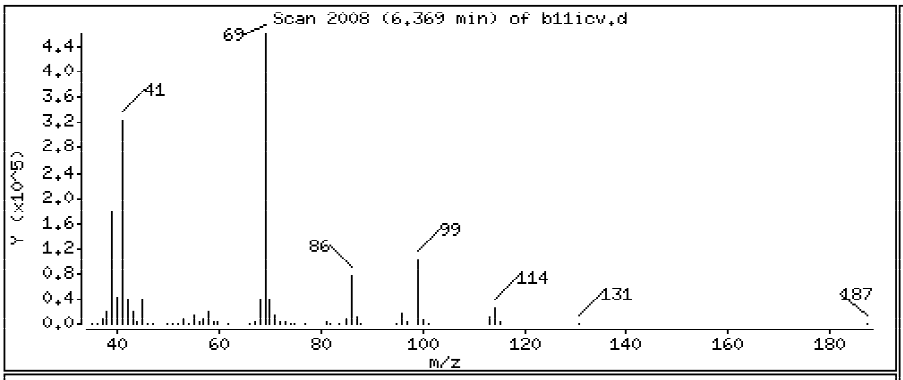
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

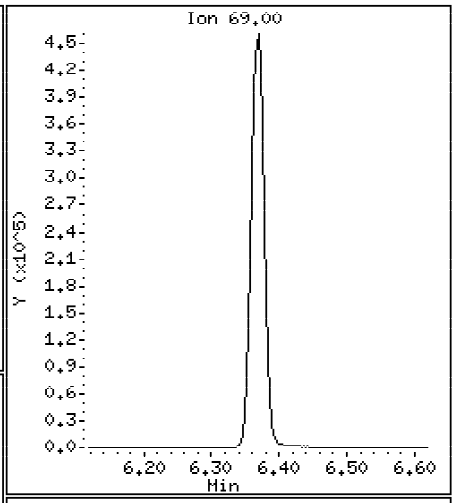
Sample Info: 8260-ICV,65556:0

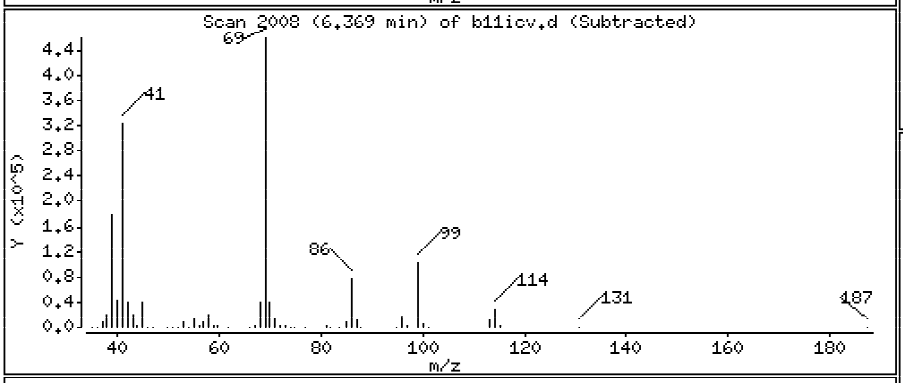
Purge Volume: 5.0 Operator: dae

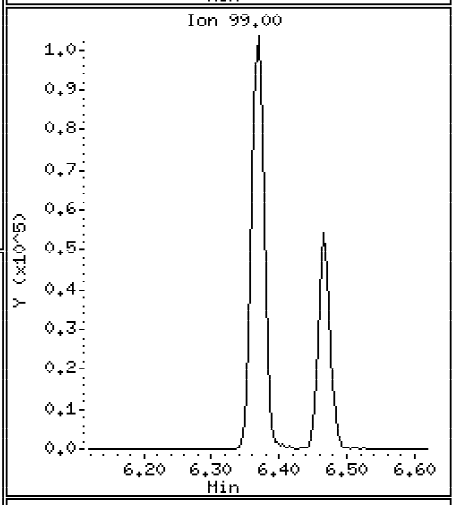
Column phase: DB-624 Column diameter: 0.18

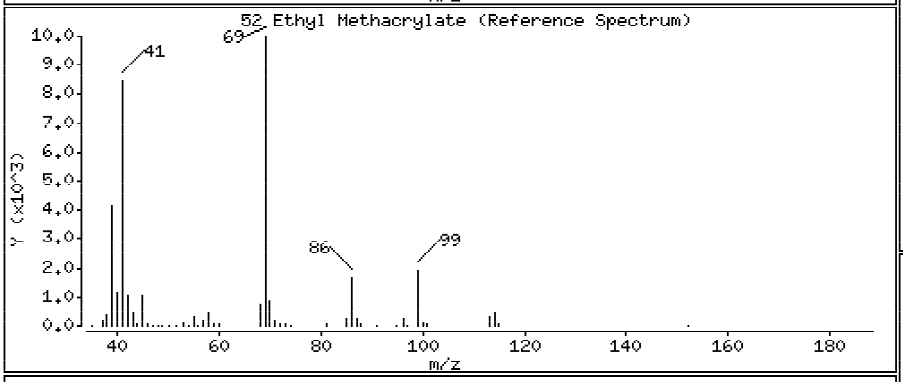
52 Ethyl Methacrylate Concentration: 226 ppb

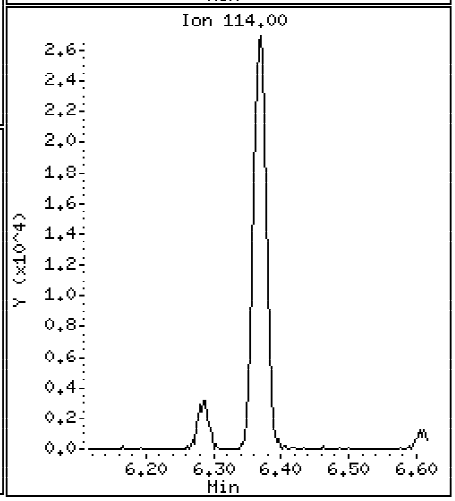


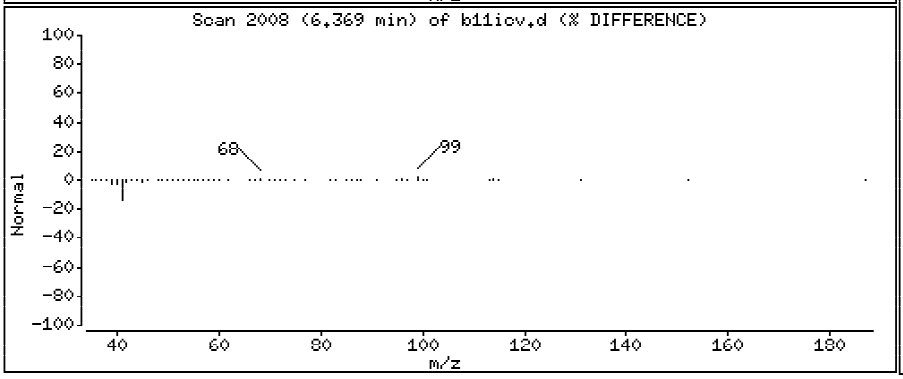












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 60

Date : 02-MAY-2014 16:27

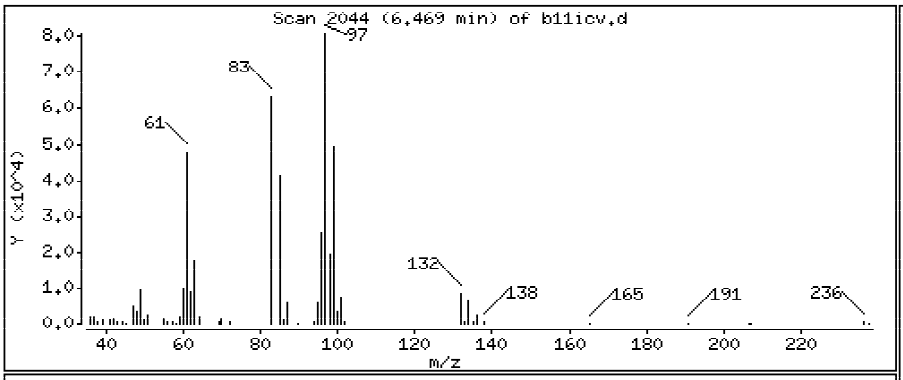
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

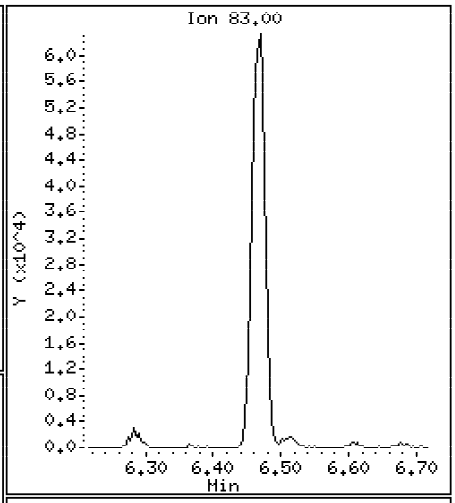
Sample Info: 8260-ICV,65556:0

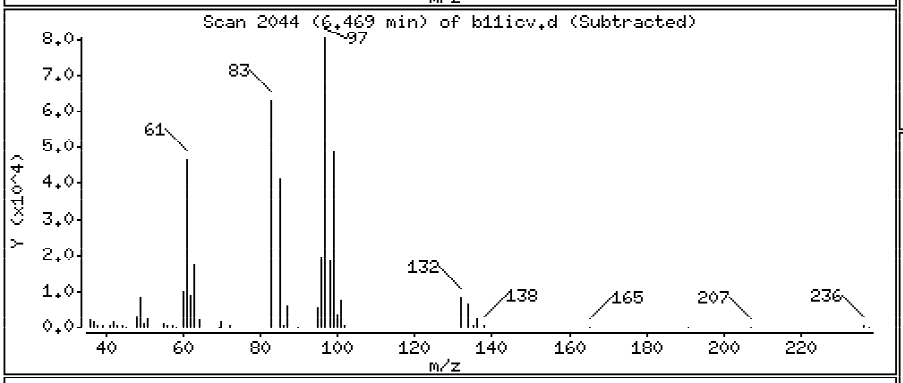
Purge Volume: 5.0 Operator: dae

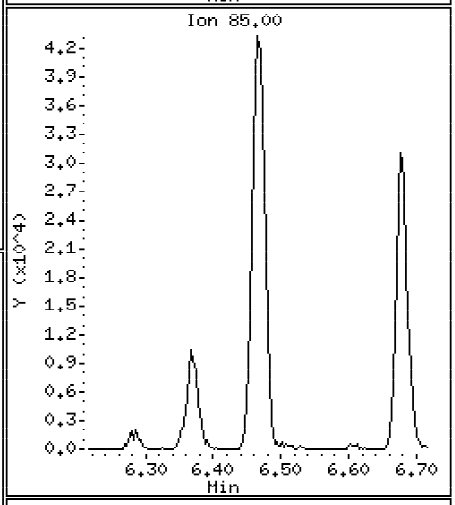
Column phase: DB-624 Column diameter: 0.18

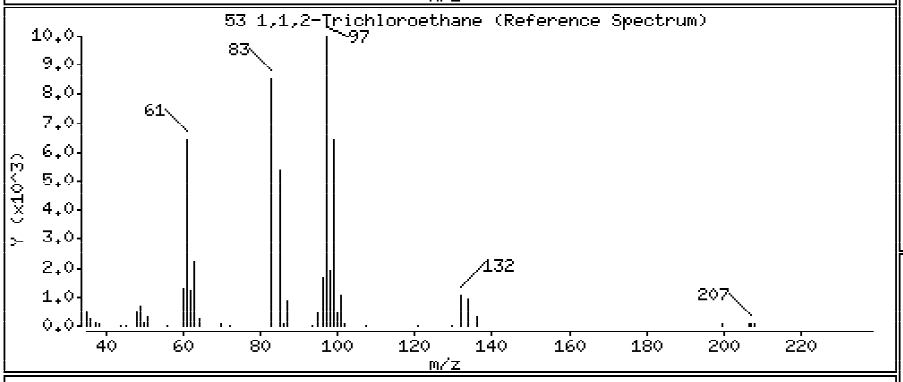
53 1,1,2-Trichloroethane Concentration: 51.7 ppb

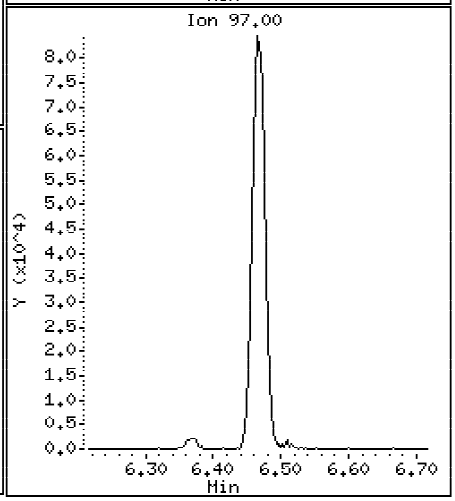


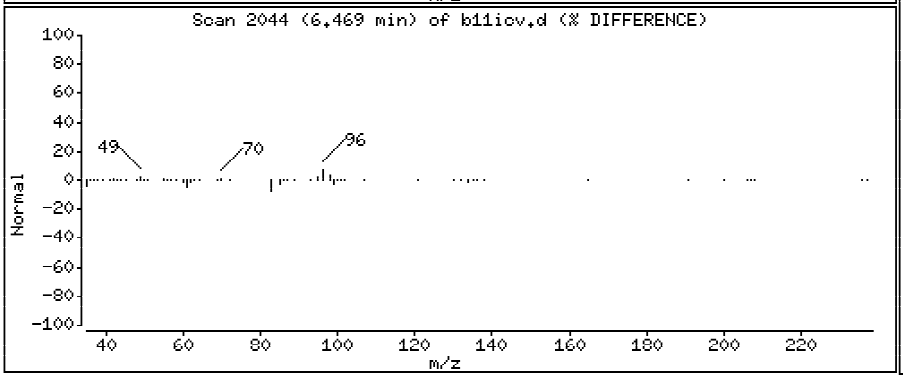












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 61

Date : 02-MAY-2014 16:27

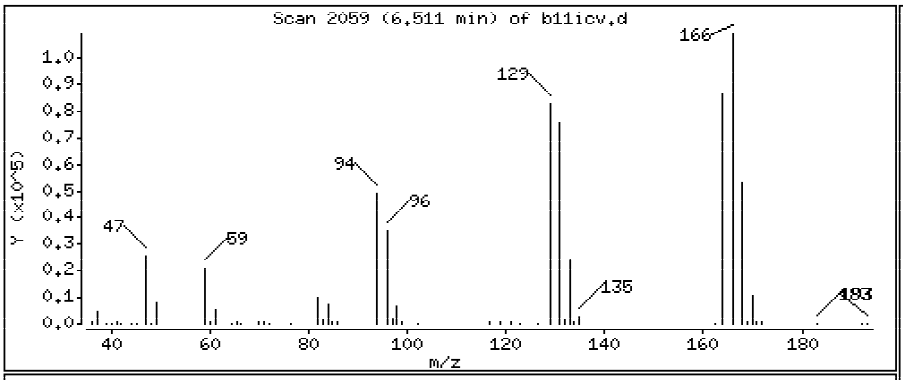
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

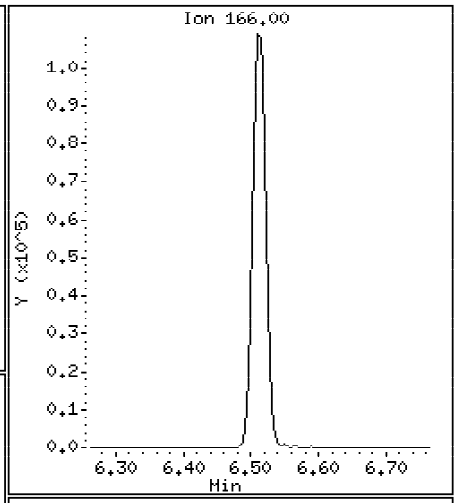
Sample Info: 8260-ICV,65556:0

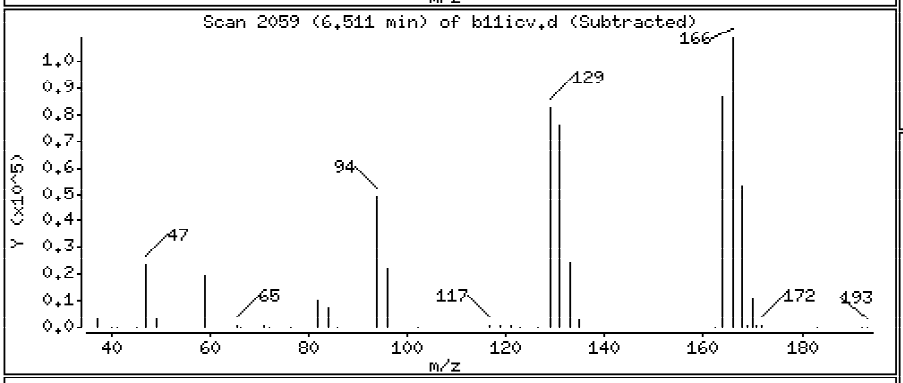
Purge Volume: 5.0 Operator: dae

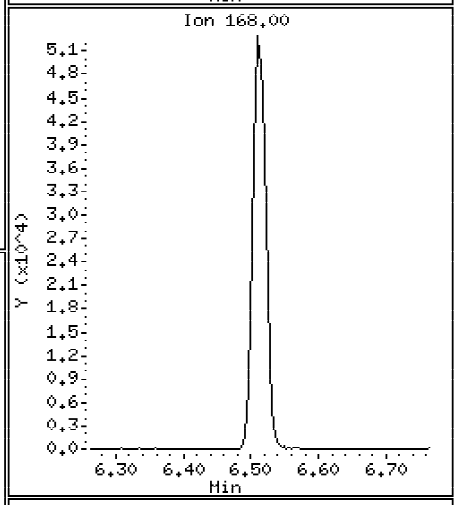
Column phase: DB-624 Column diameter: 0.18

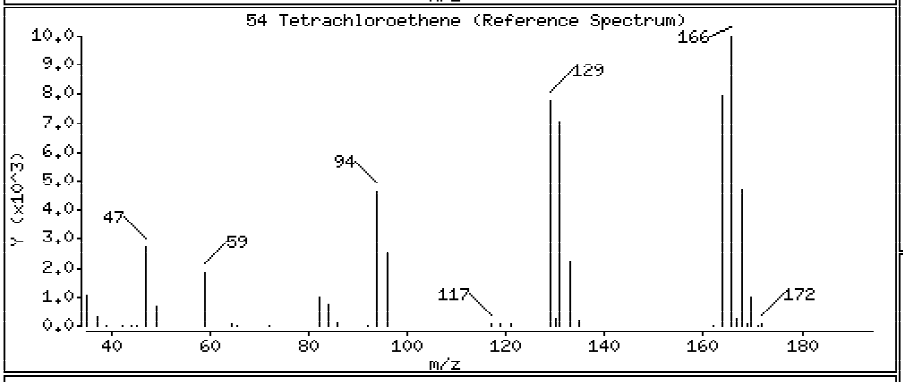
54 Tetrachloroethene Concentration: 51.5 ppb

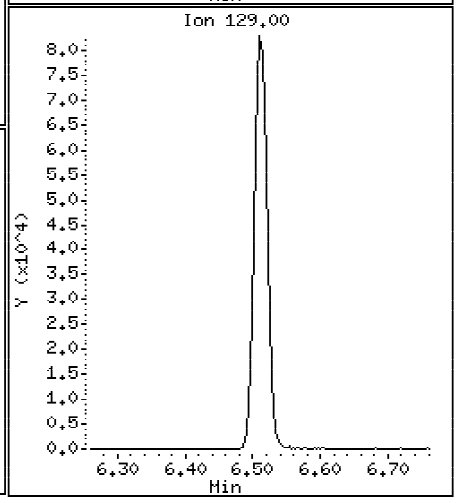


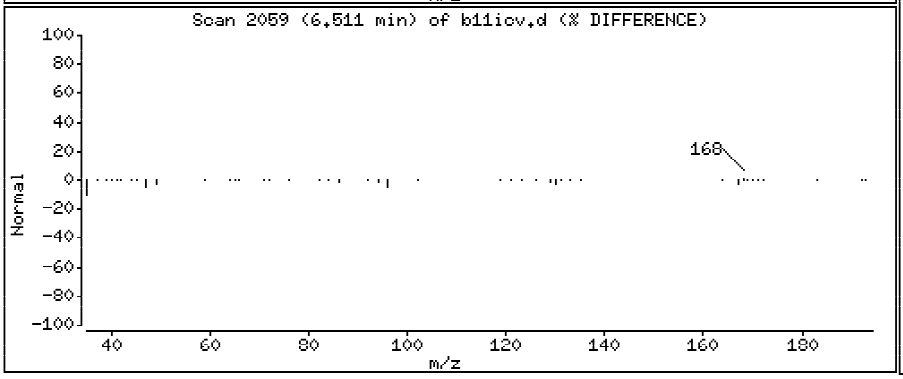












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 62

Date : 02-MAY-2014 16:27

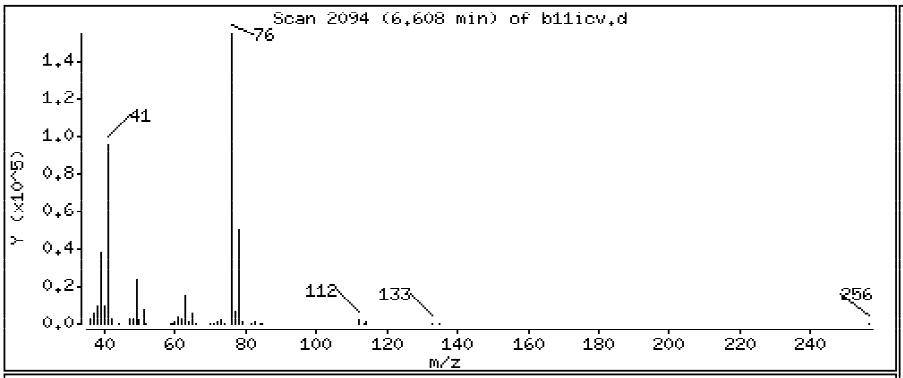
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

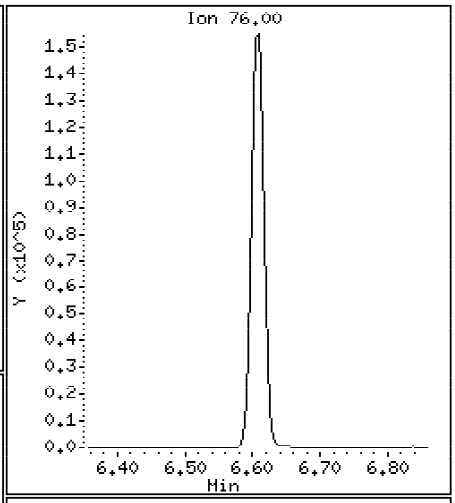
Sample Info: 8260-ICV,65556:0

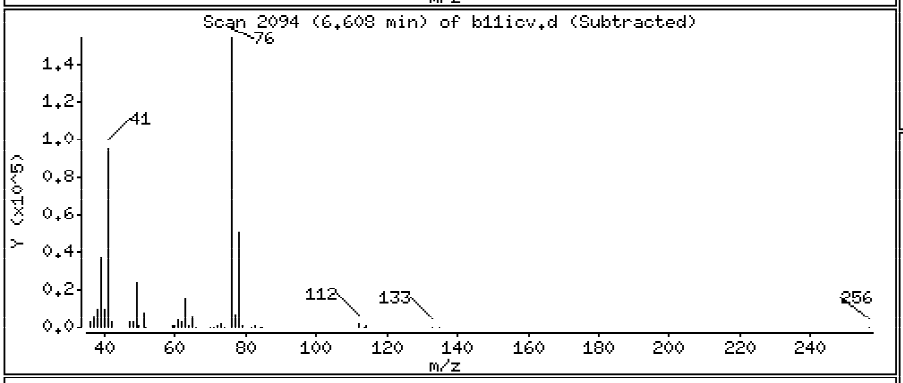
Purge Volume: 5.0 Operator: dae

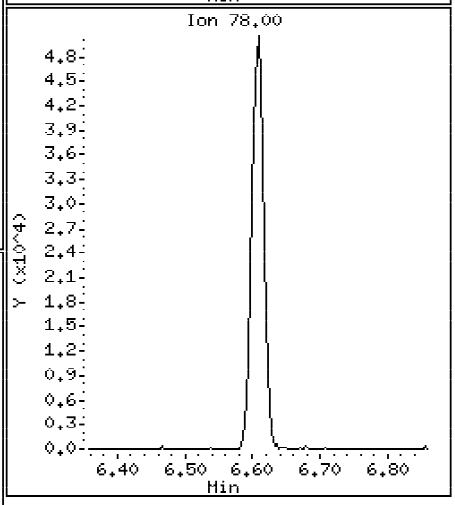
Column phase: DB-624 Column diameter: 0.18

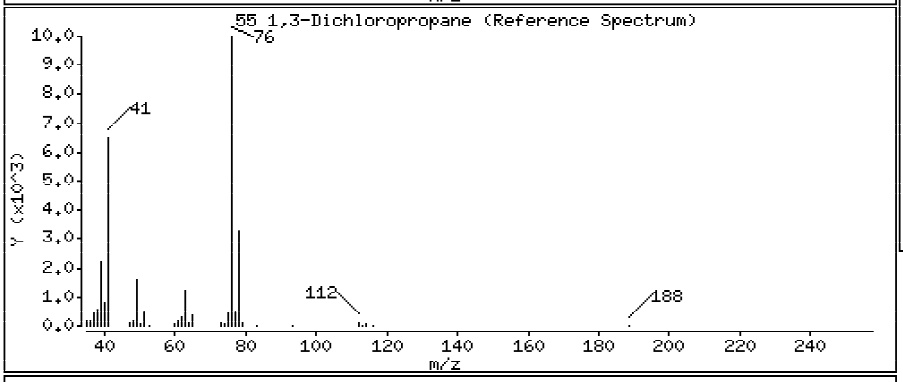
55 1,3-Dichloropropane Concentration: 54.5 ppb

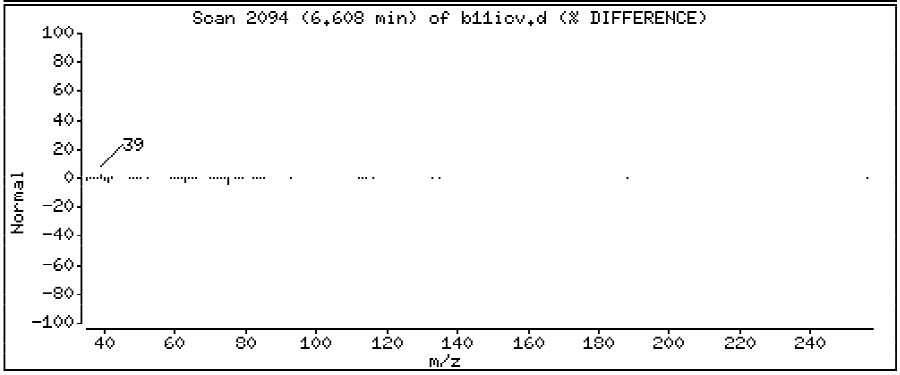












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 63

Date : 02-MAY-2014 16:27

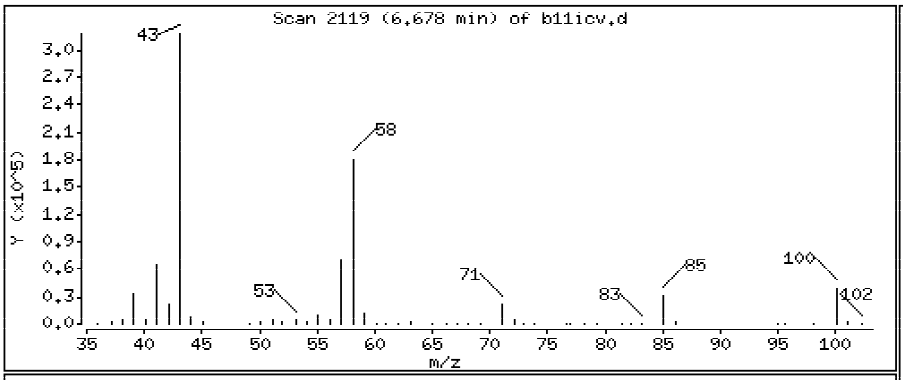
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

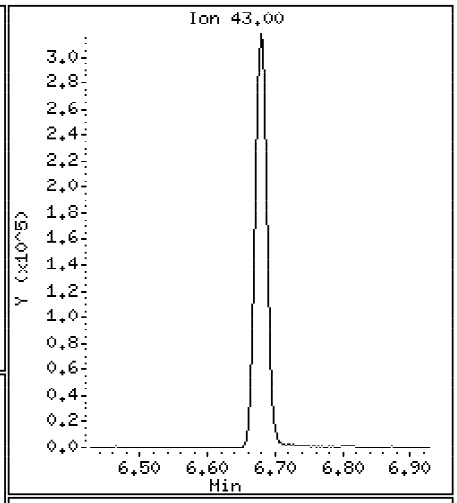
Sample Info: 8260-ICV,65556:0

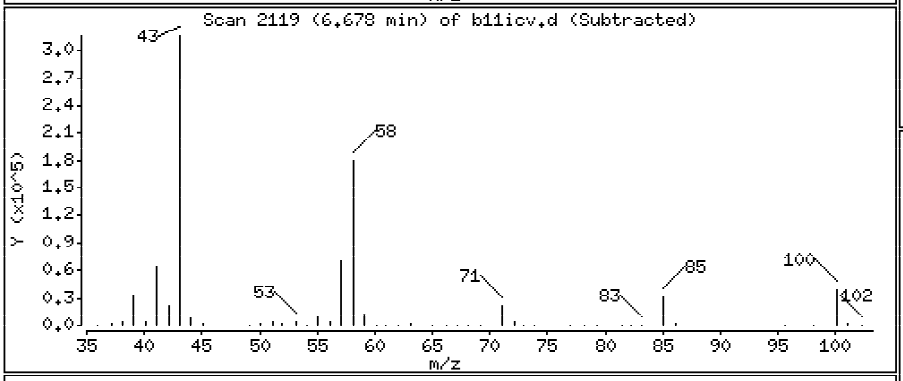
Purge Volume: 5.0 Operator: dae

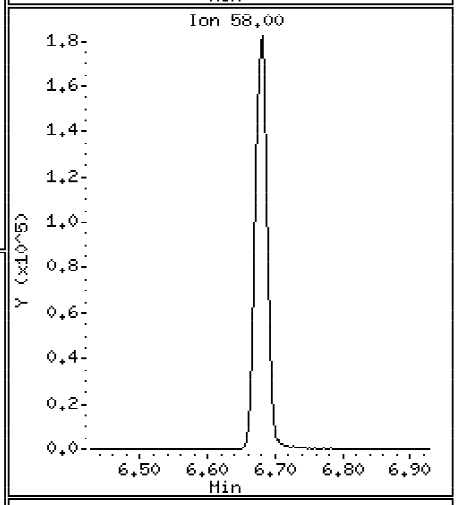
Column phase: DB-624 Column diameter: 0.18

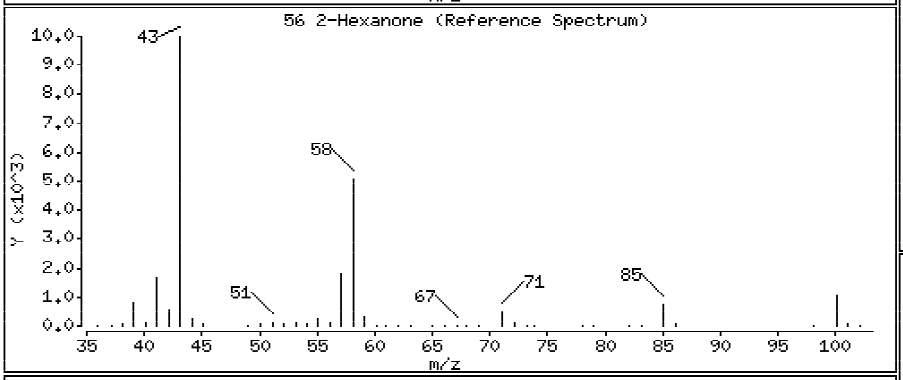
56 2-Hexanone Concentration: 272 ppb

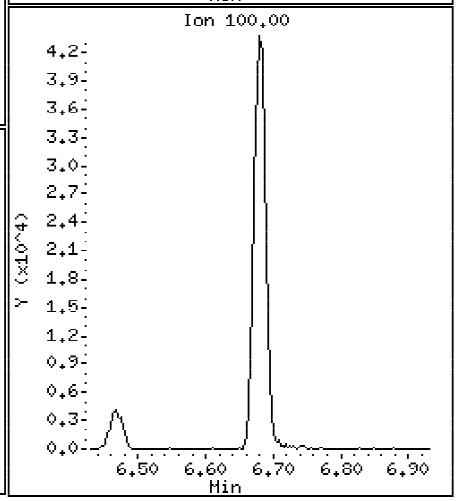


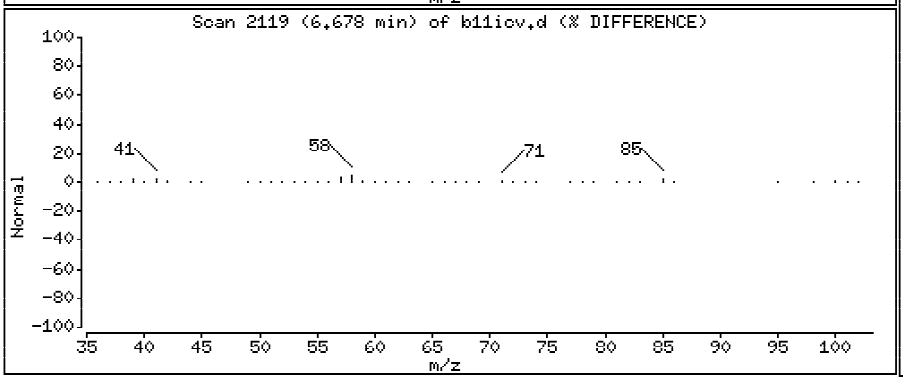












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 64

Date : 02-MAY-2014 16:27

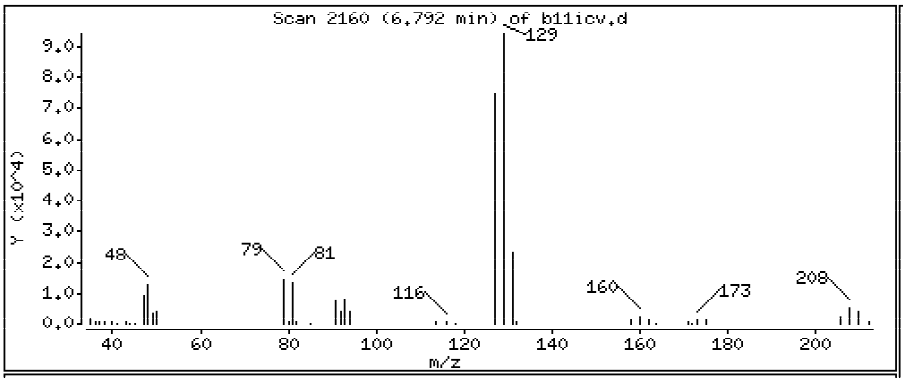
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

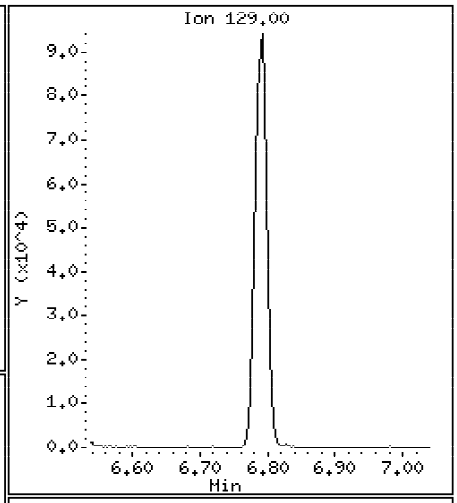
Sample Info: 8260-ICV,65556:0

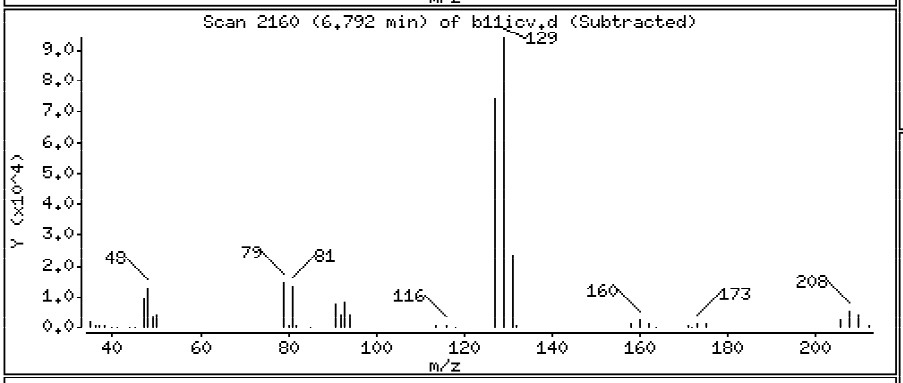
Purge Volume: 5.0 Operator: dae

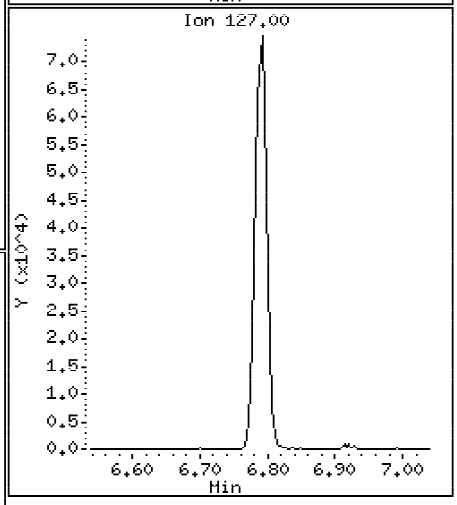
Column phase: DB-624 Column diameter: 0.18

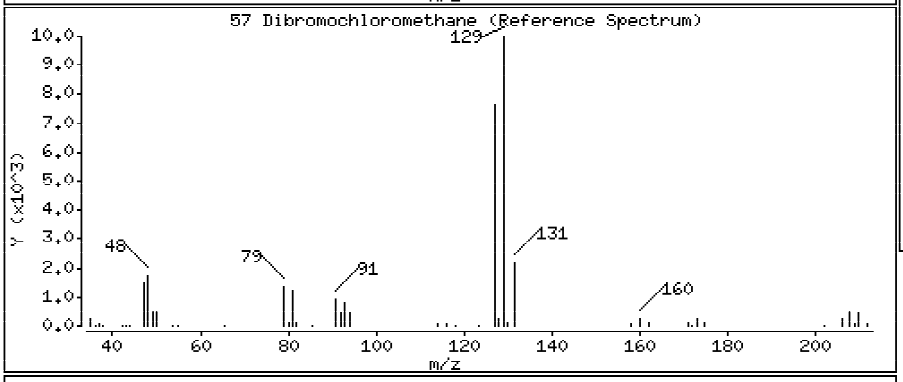
57 Dibromochloromethane Concentration: 47.7 ppb

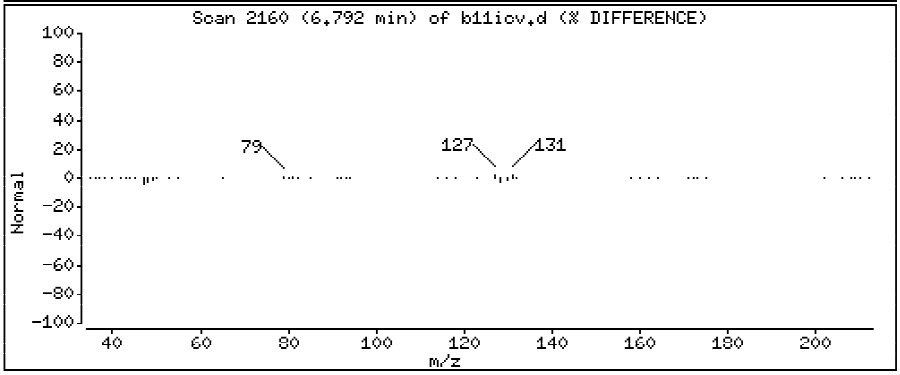












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 65

Date : 02-MAY-2014 16:27

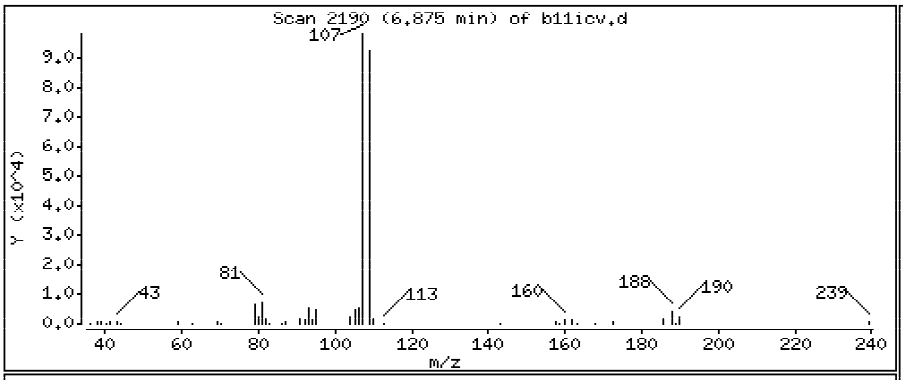
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

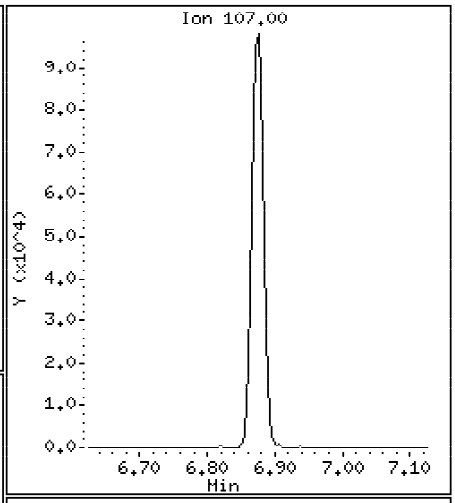
Sample Info: 8260-ICV,65556:0

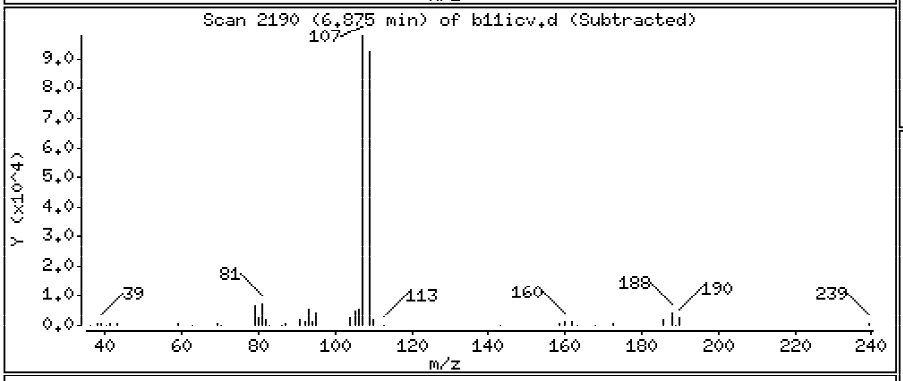
Purge Volume: 5.0 Operator: dae

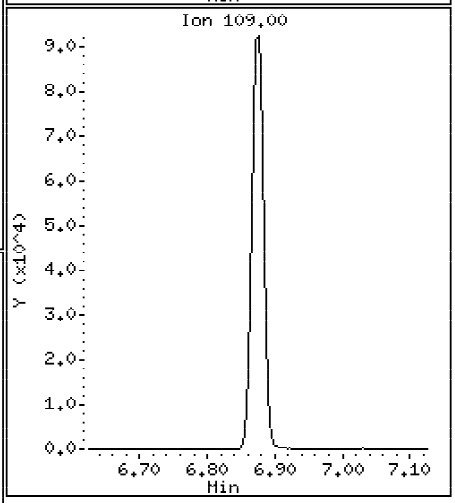
Column phase: DB-624 Column diameter: 0.18

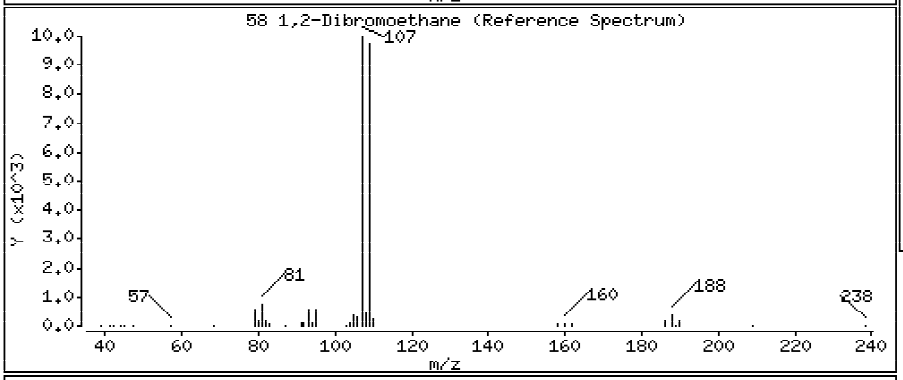
58 1,2-Dibromoethane Concentration: 54.9 ppb

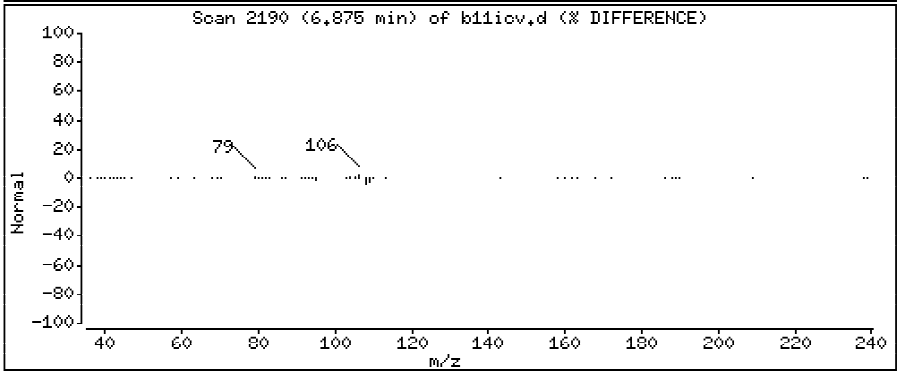












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 66

Date : 02-MAY-2014 16:27

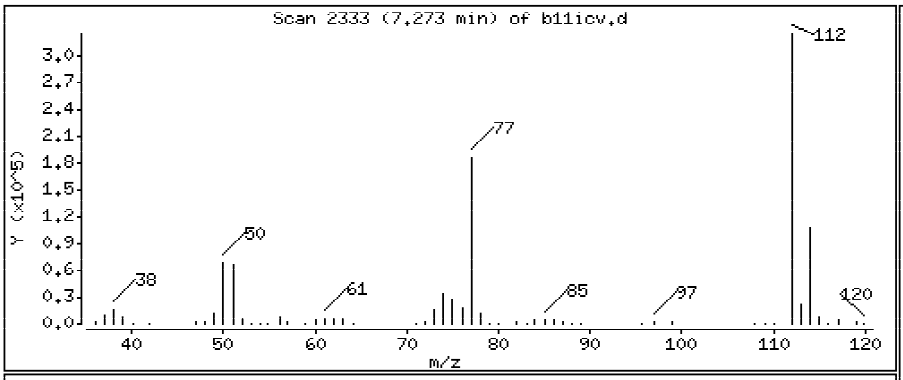
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

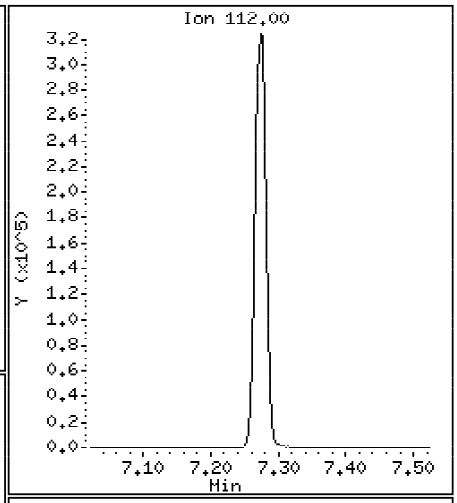
Sample Info: 8260-ICV,65556:0

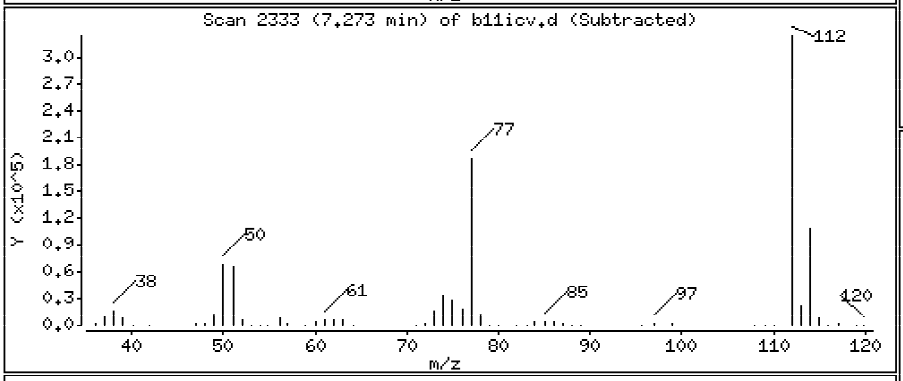
Purge Volume: 5.0 Operator: dae

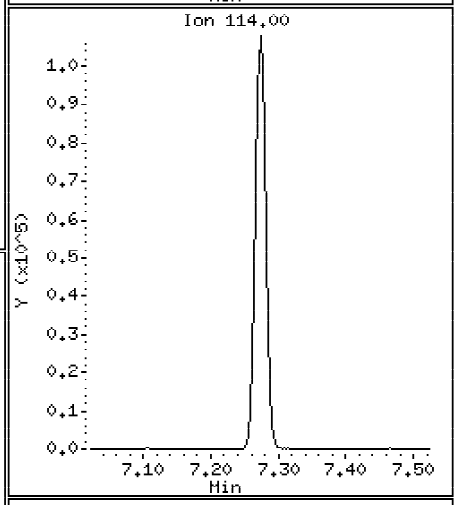
Column phase: DB-624 Column diameter: 0.18

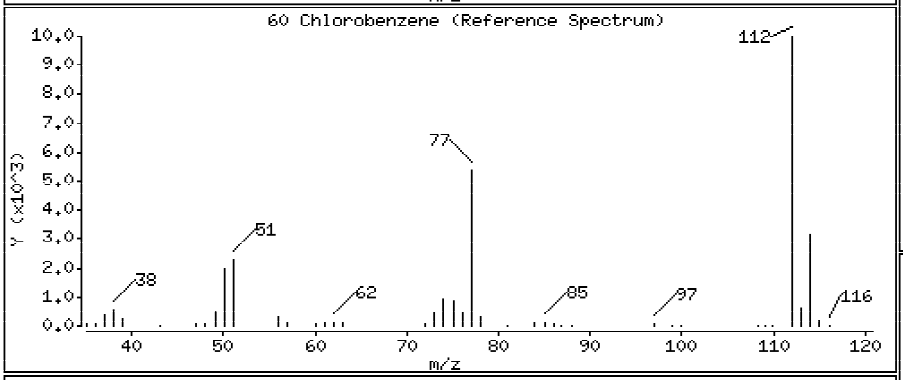
60 Chlorobenzene Concentration: 51.1 ppb

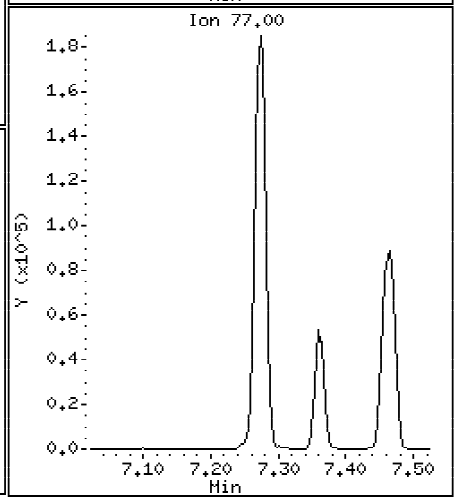


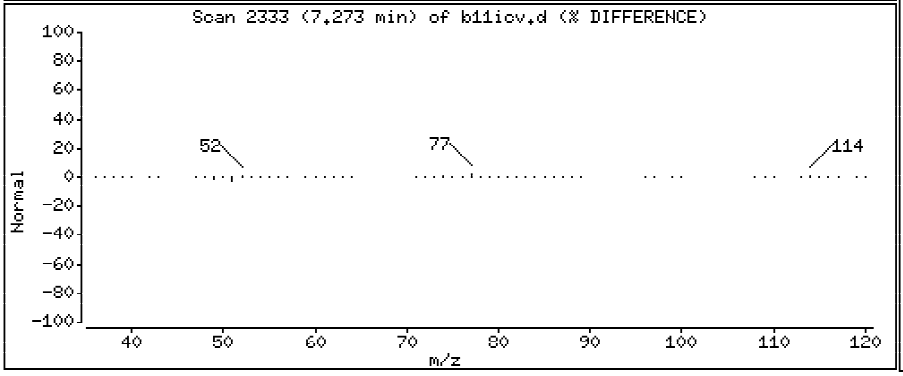












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 67

Date : 02-MAY-2014 16:27

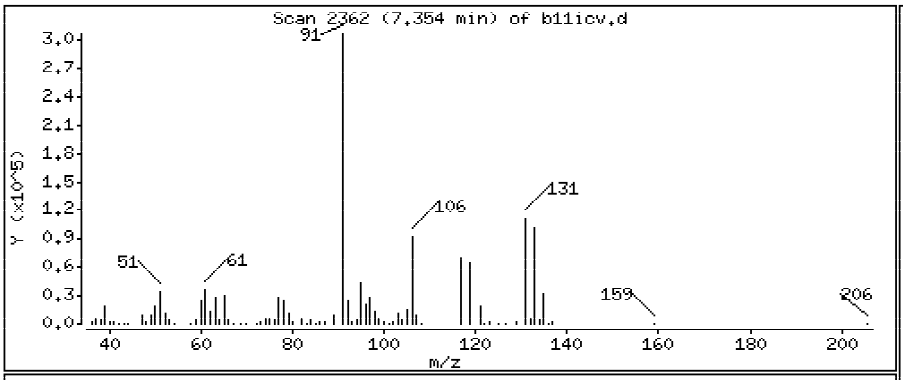
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

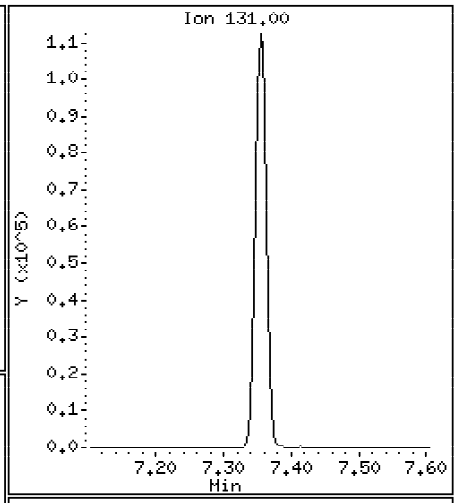
Sample Info: 8260-ICV,65556:0

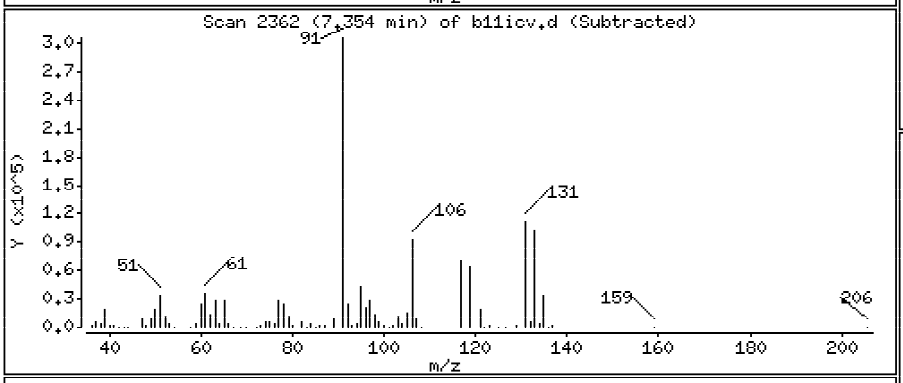
Purge Volume: 5.0 Operator: dae

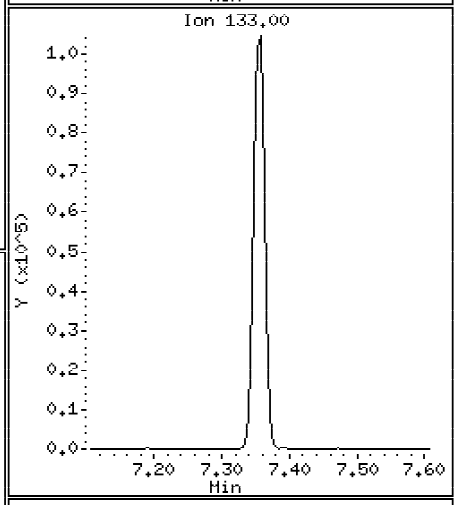
Column phase: DB-624 Column diameter: 0.18

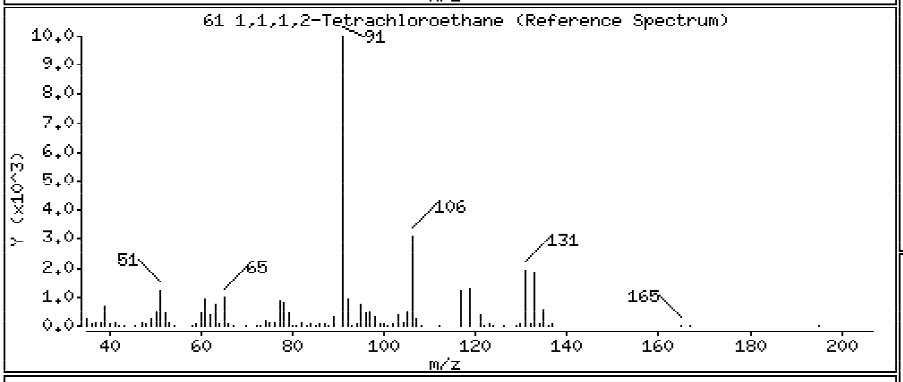
61 1,1,1,2-Tetrachloroethane Concentration: 58.8 ppb

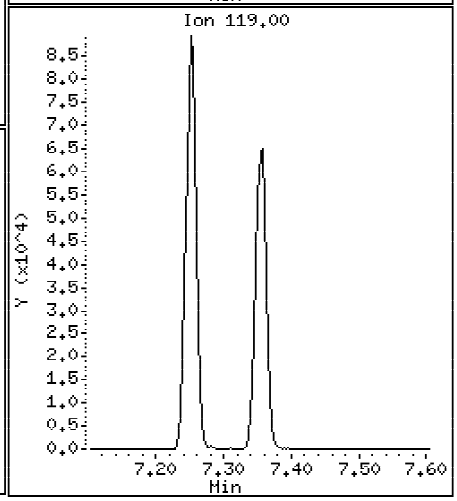


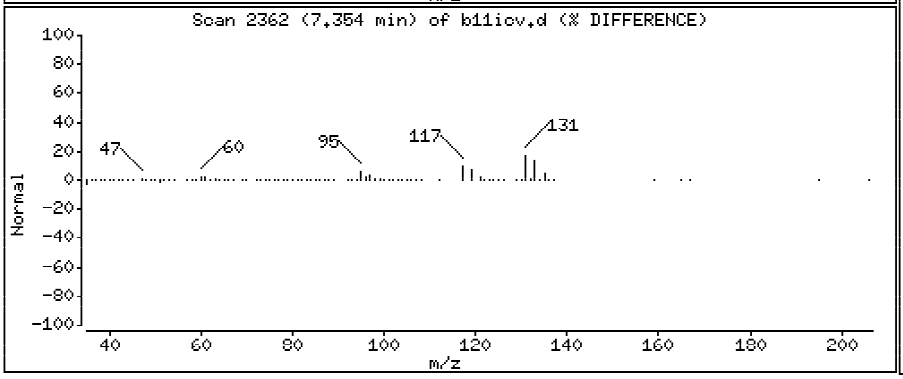












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 68

Date : 02-MAY-2014 16:27

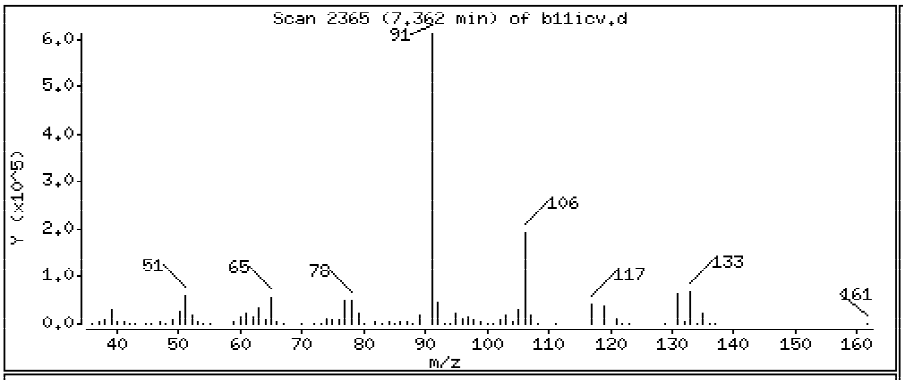
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

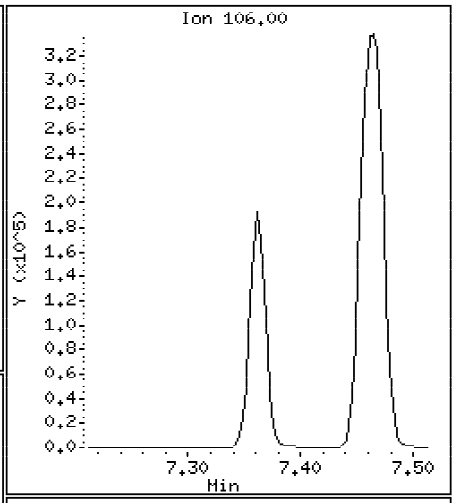
Sample Info: 8260-ICV,65556:0

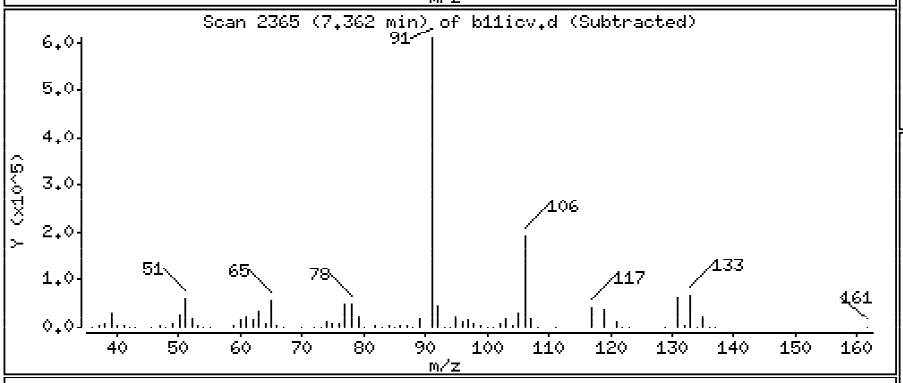
Purge Volume: 5.0 Operator: dae

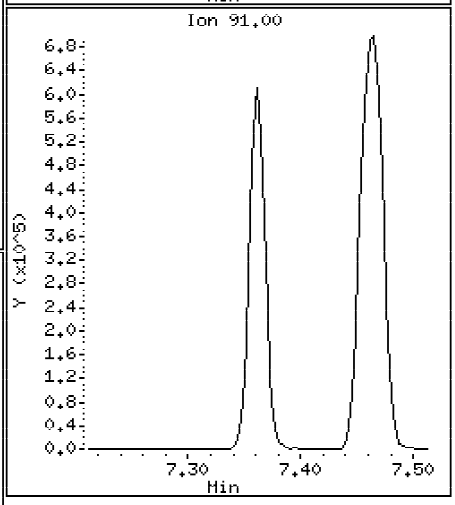
Column phase: DB-624 Column diameter: 0.18

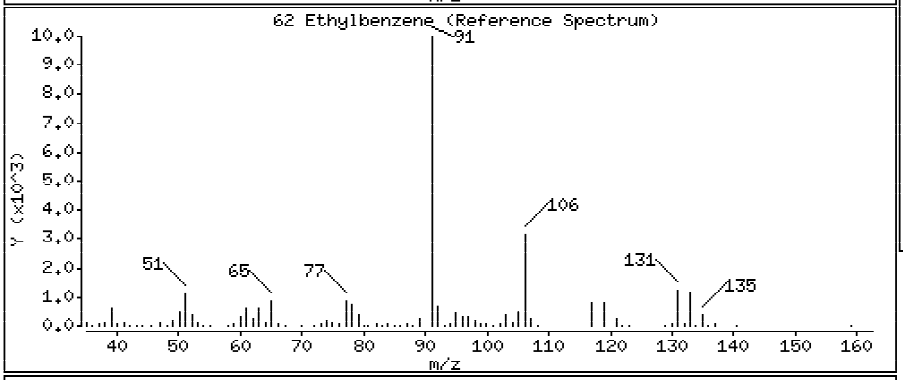
62 Ethylbenzene Concentration: 51.7 ppb

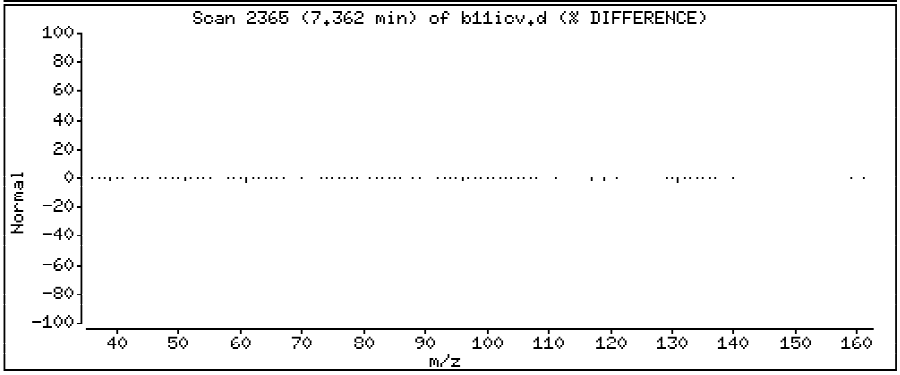












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 69

Date : 02-MAY-2014 16:27

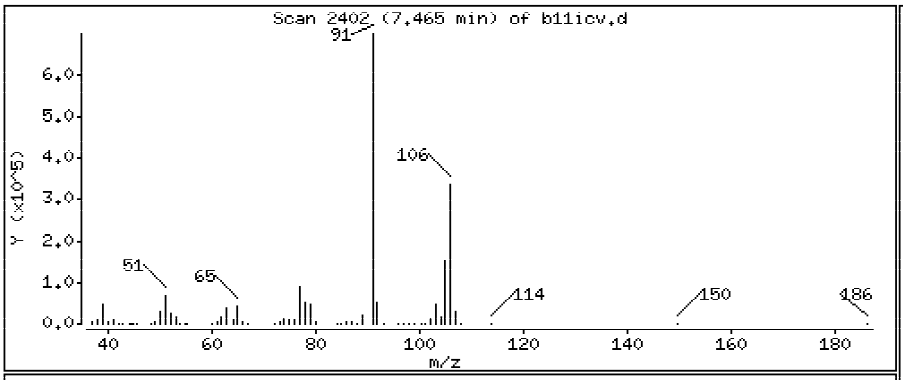
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

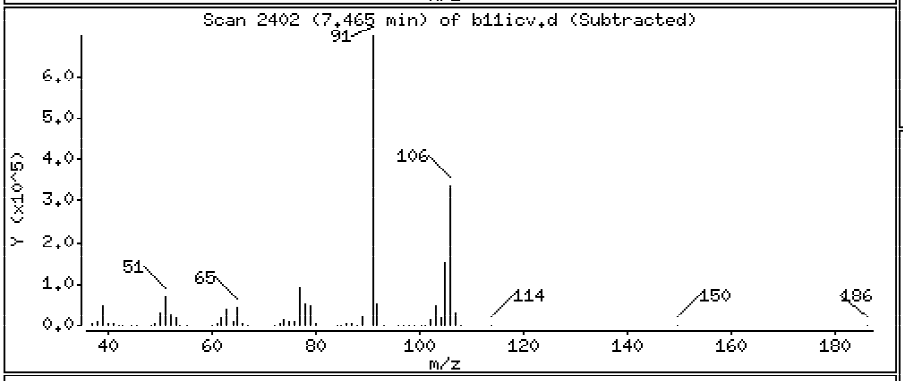
Sample Info: 8260-ICV,65556:0

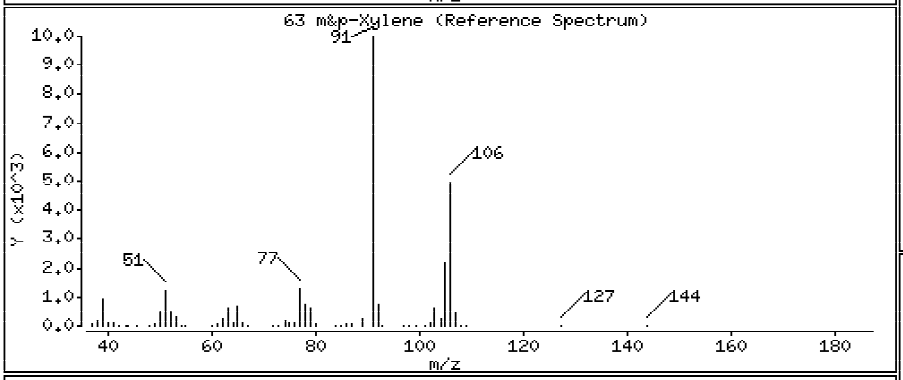
Purge Volume: 5.0 Operator: dae

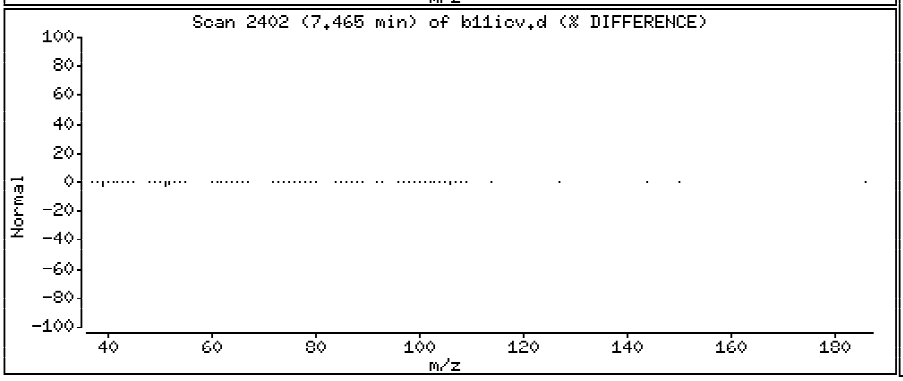
Column phase: DB-624 Column diameter: 0.18

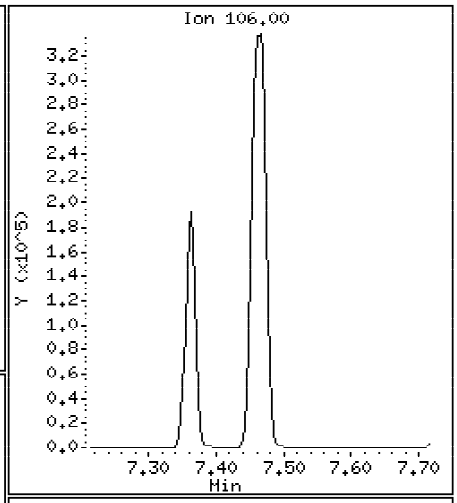
63 m&p-Xylene Concentration: 104 ppb

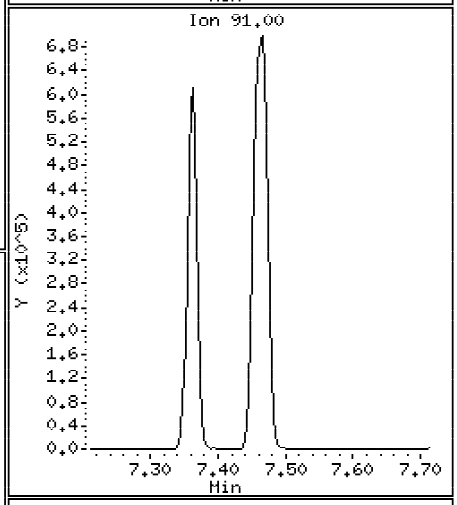


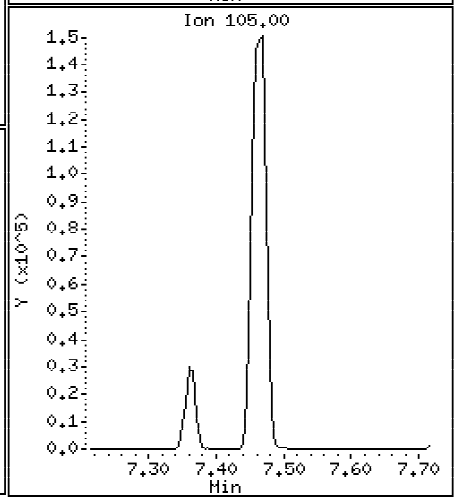












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 70

Date : 02-MAY-2014 16:27

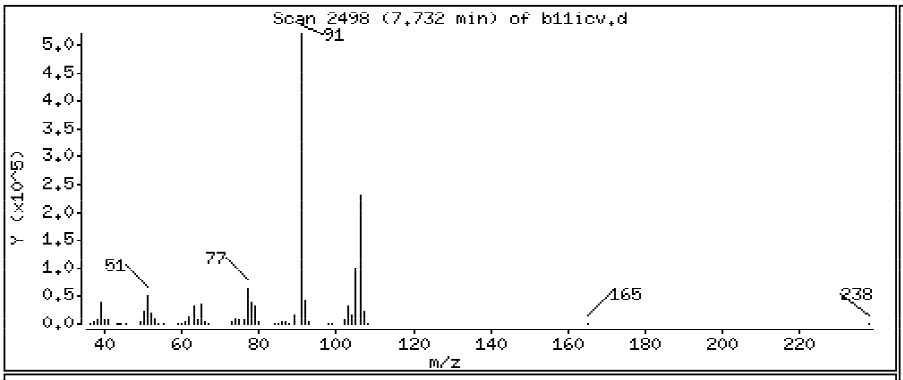
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

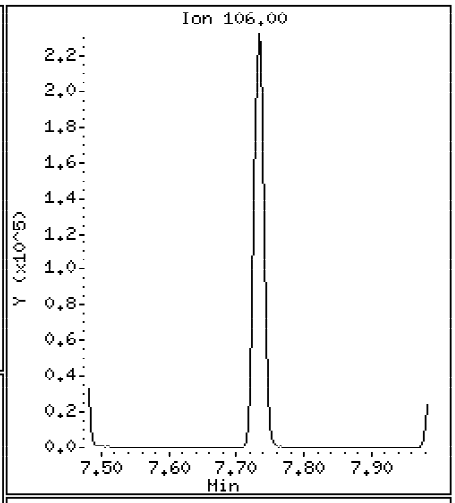
Sample Info: 8260-ICV,65556:0

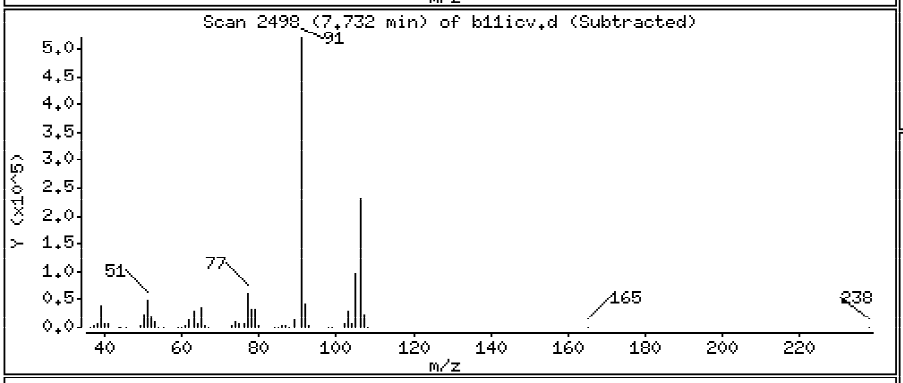
Purge Volume: 5.0 Operator: dae

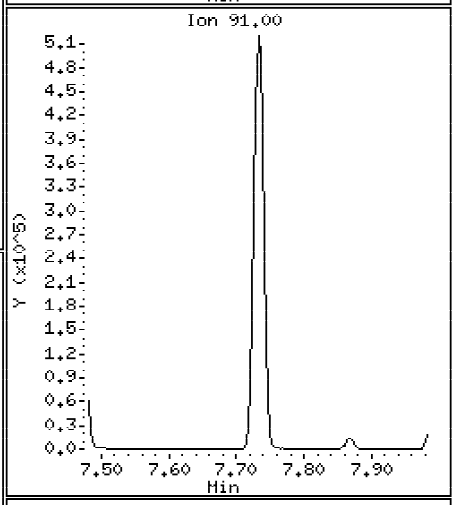
Column phase: DB-624 Column diameter: 0.18

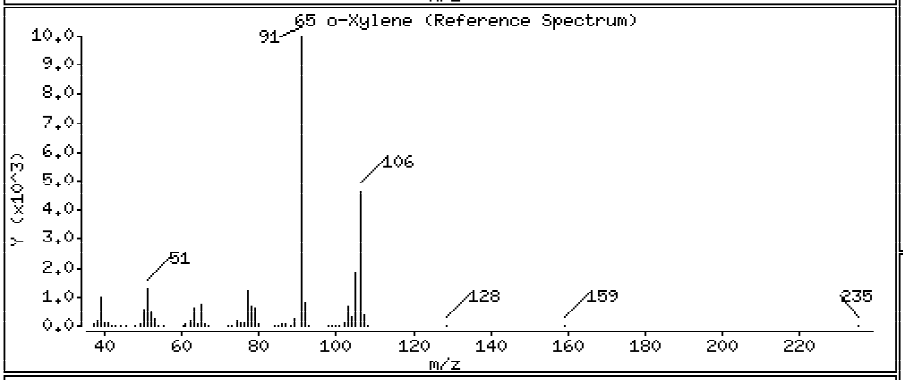
65 o-Xylene Concentration: 52.8 ppb

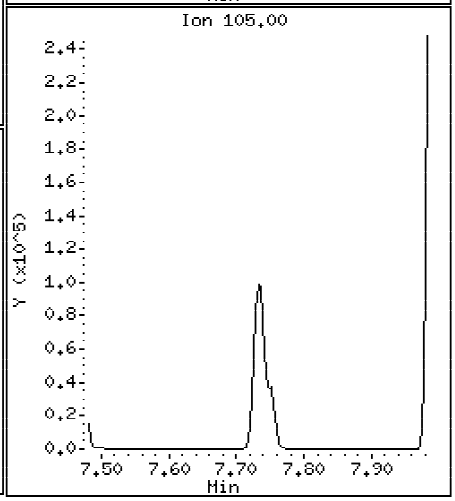


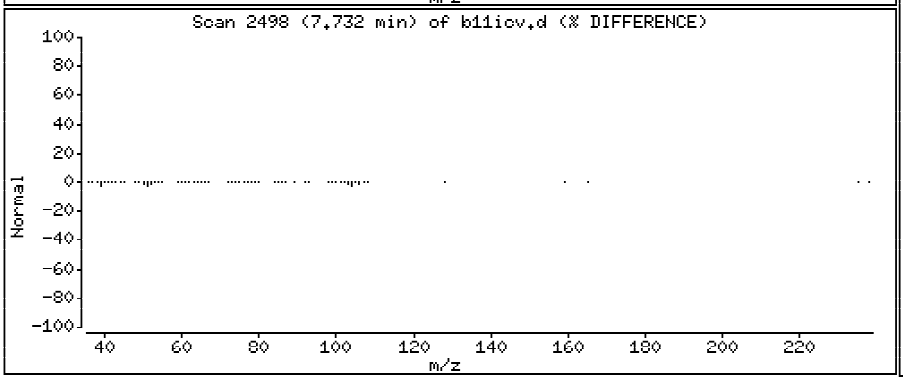












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 71

Date : 02-MAY-2014 16:27

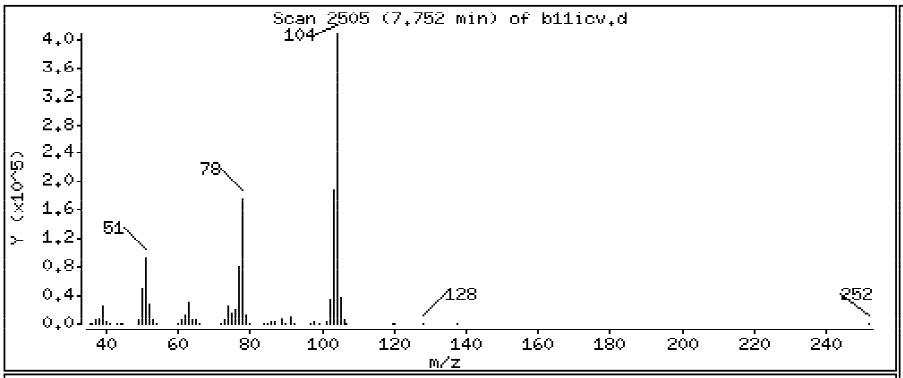
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

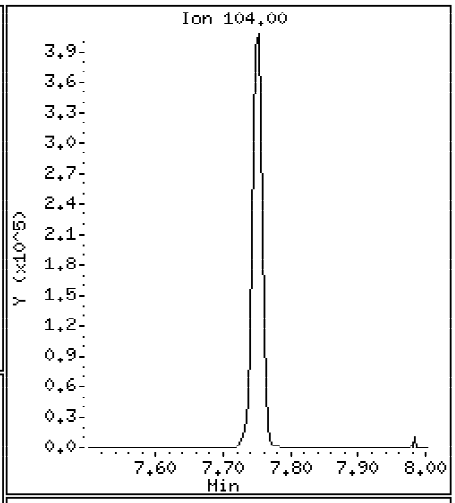
Sample Info: 8260-ICV,65556:0

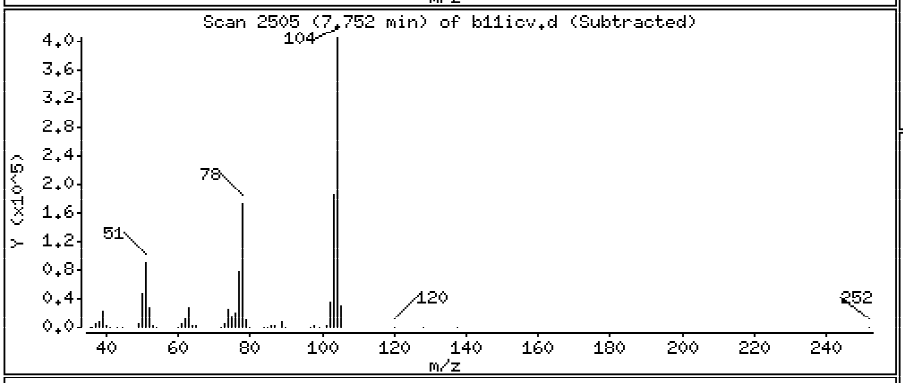
Purge Volume: 5.0 Operator: dae

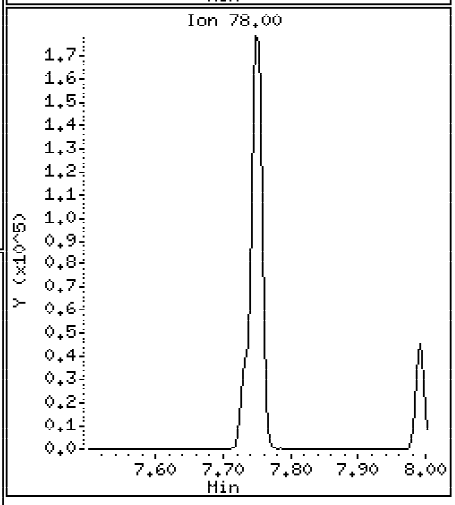
Column phase: DB-624 Column diameter: 0.18

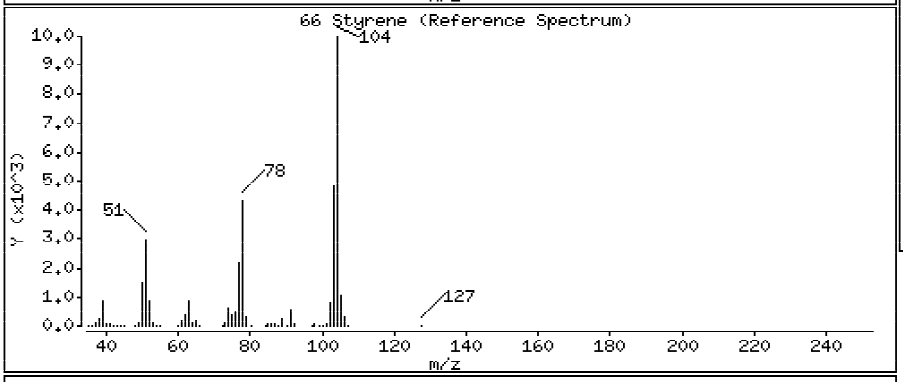
66 Styrene Concentration: 54.8 ppb

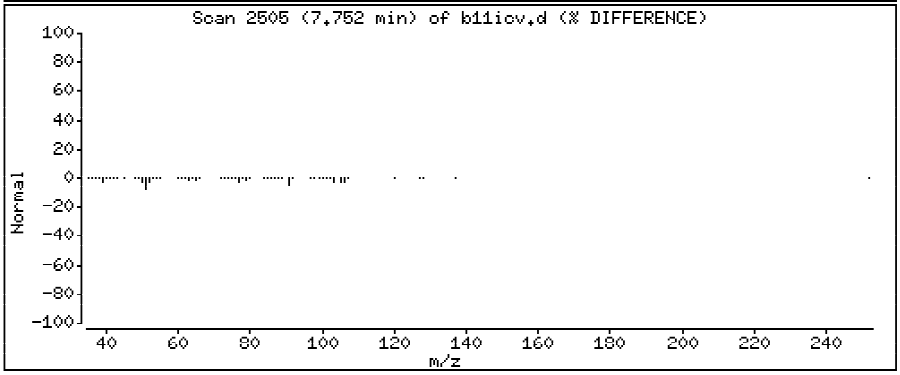












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 72

Date : 02-MAY-2014 16:27

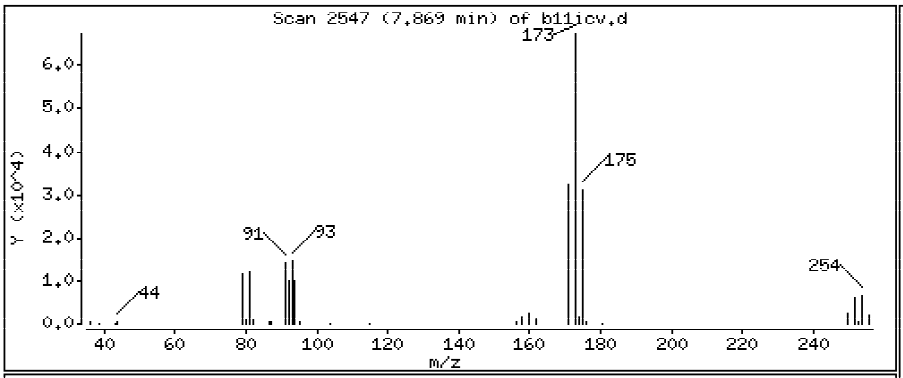
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

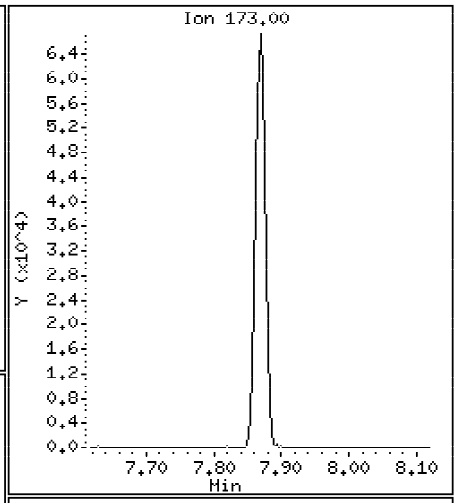
Sample Info: 8260-ICV,65556:0

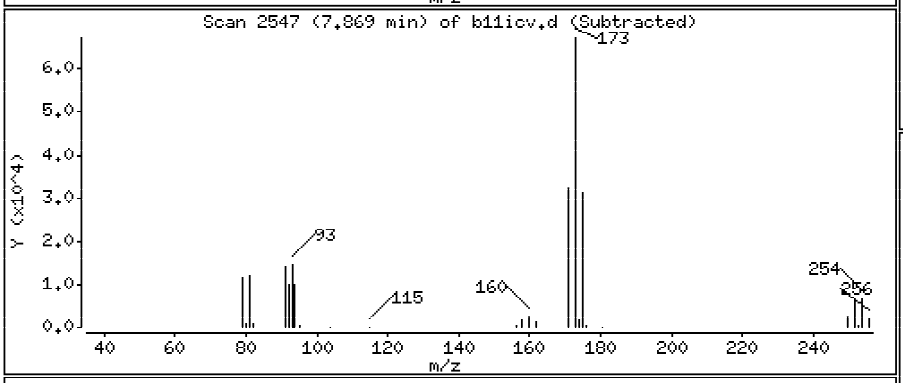
Purge Volume: 5.0 Operator: dae

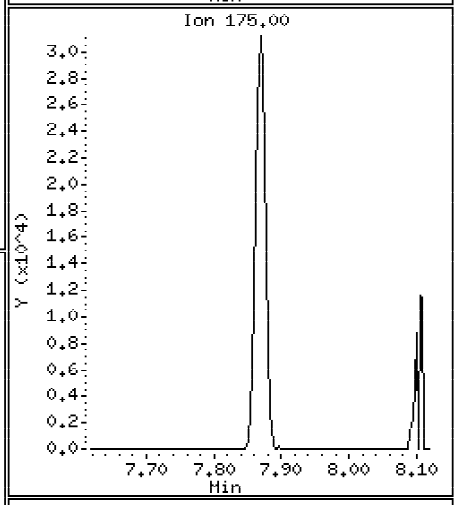
Column phase: DB-624 Column diameter: 0.18

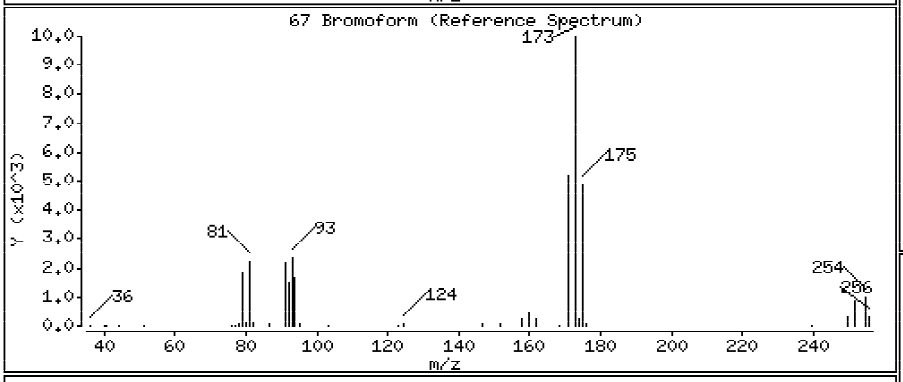
67 Bromoform Concentration: 44.8 ppb

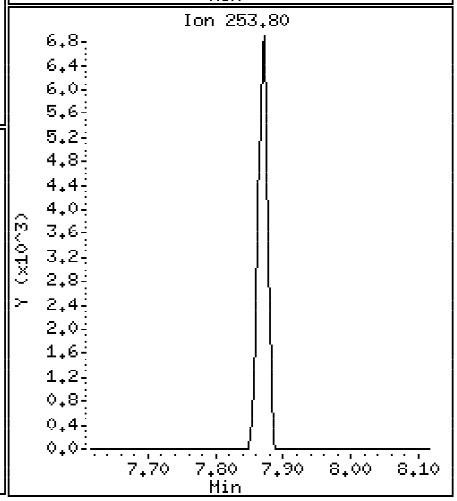


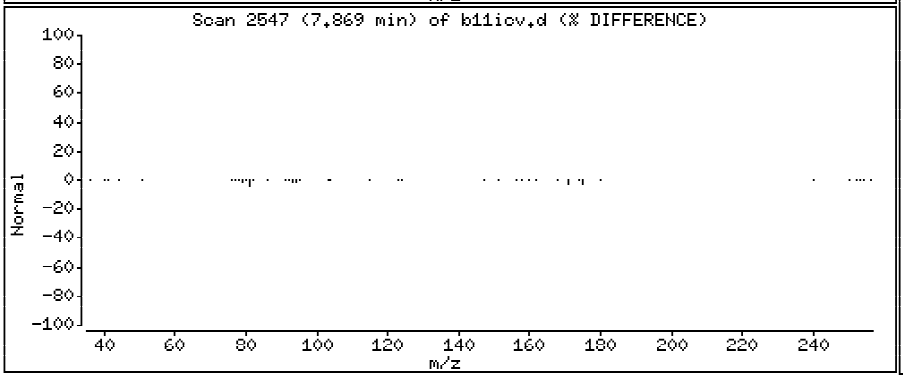












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 73

Date : 02-MAY-2014 16:27

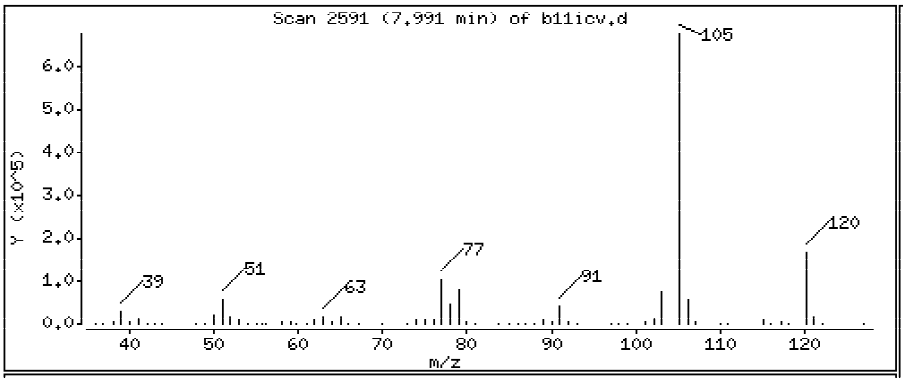
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

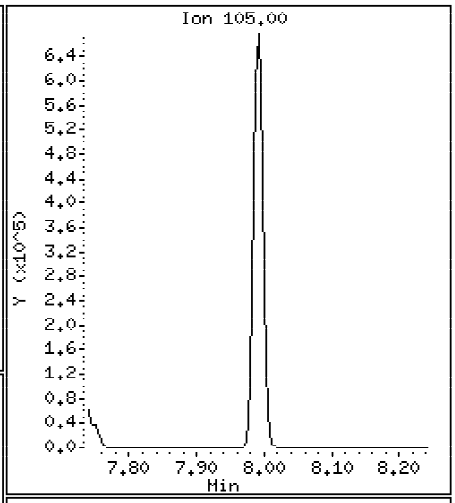
Sample Info: 8260-ICV,65556:0

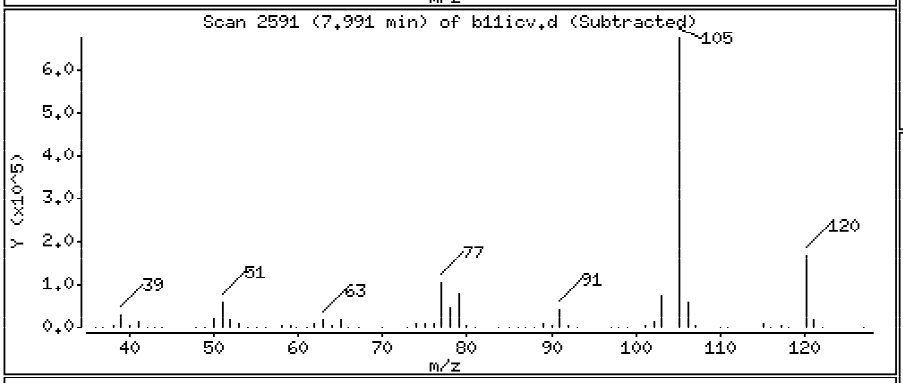
Purge Volume: 5.0 Operator: dae

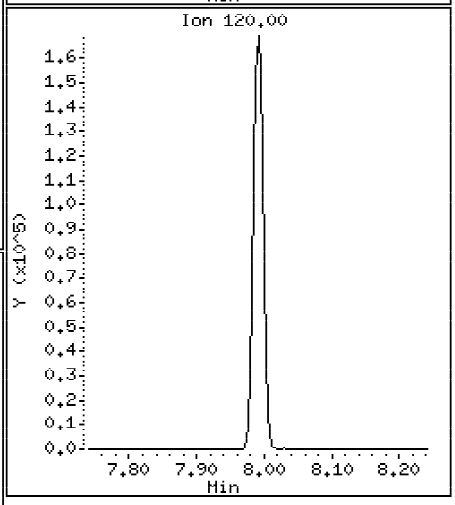
Column phase: DB-624 Column diameter: 0.18

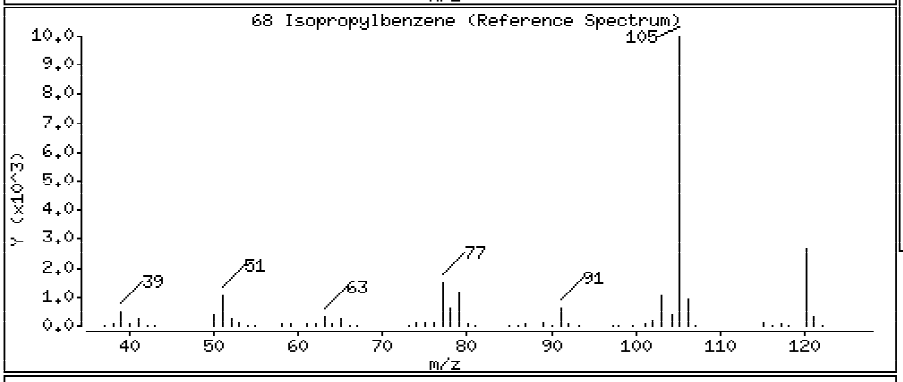
68 Isopropylbenzene Concentration: 55.9 ppb

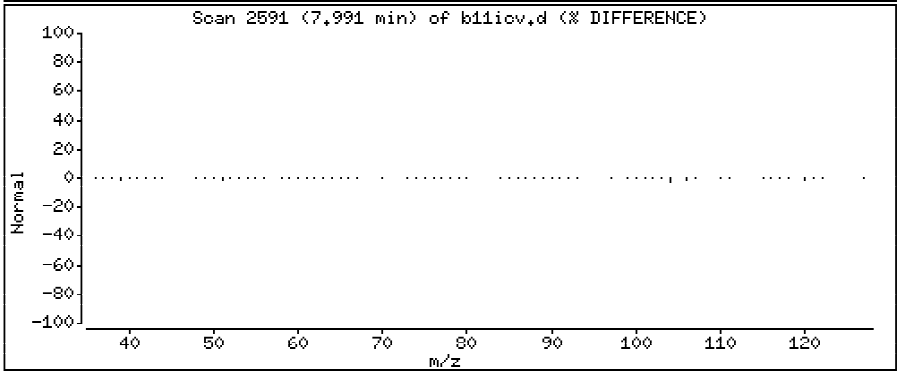












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 74

Date : 02-MAY-2014 16:27

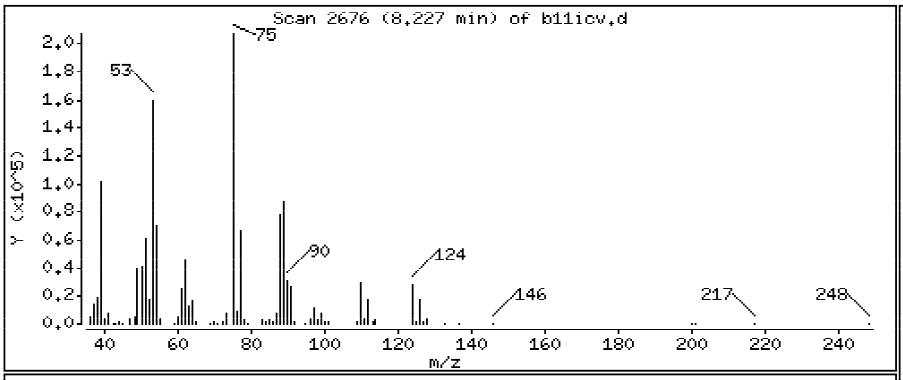
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

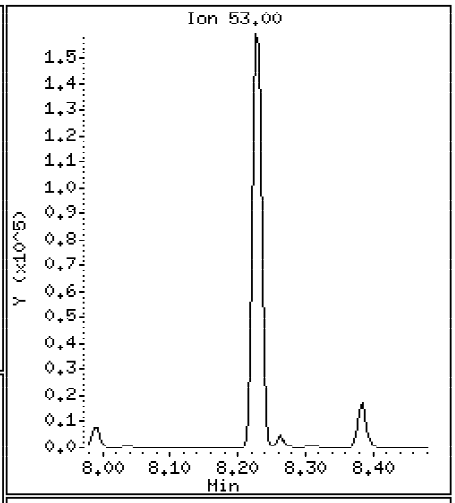
Sample Info: 8260-ICV,65556:0

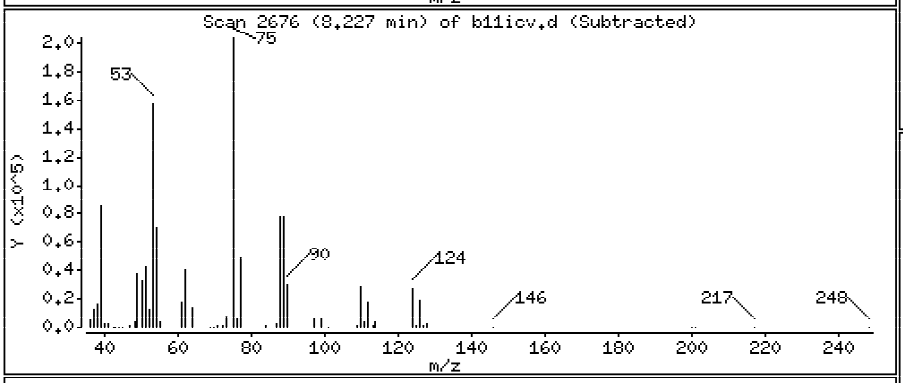
Purge Volume: 5.0 Operator: dae

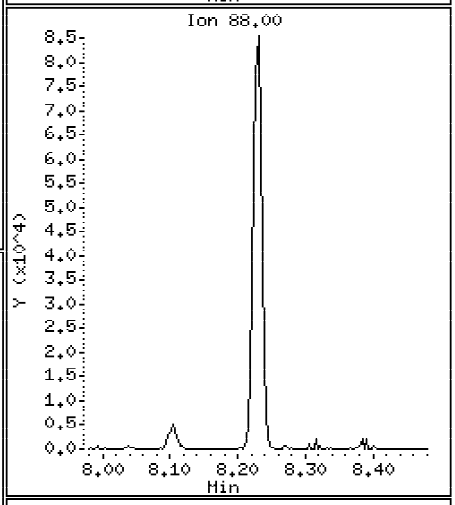
Column phase: DB-624 Column diameter: 0.18

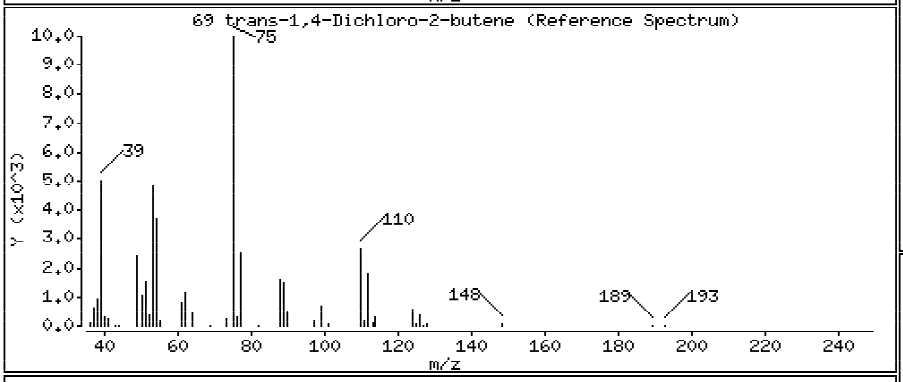
69 trans-1,4-Dichloro-2-butene Concentration: 168 ppb

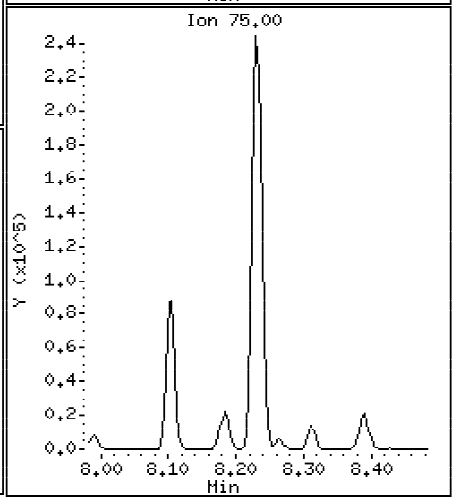


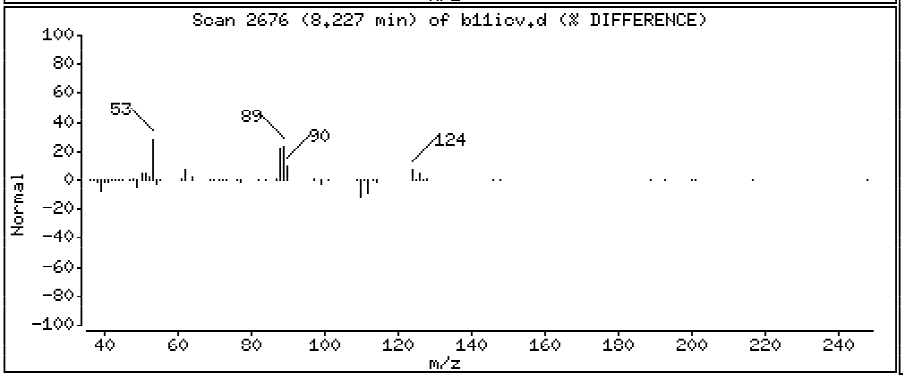












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 75

Date : 02-MAY-2014 16:27

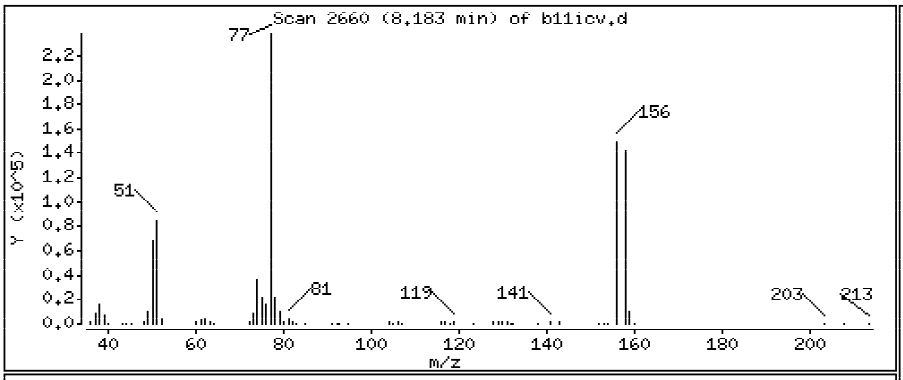
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

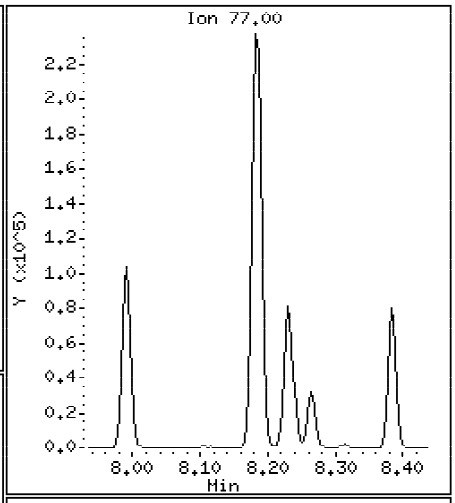
Sample Info: 8260-ICV,65556:0

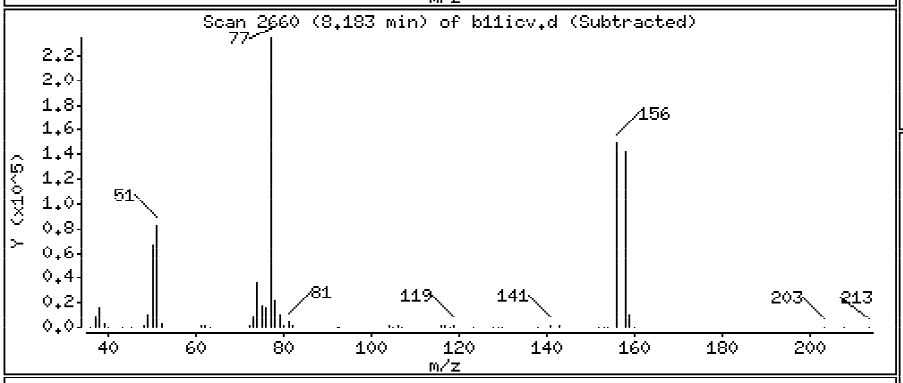
Purge Volume: 5.0 Operator: dae

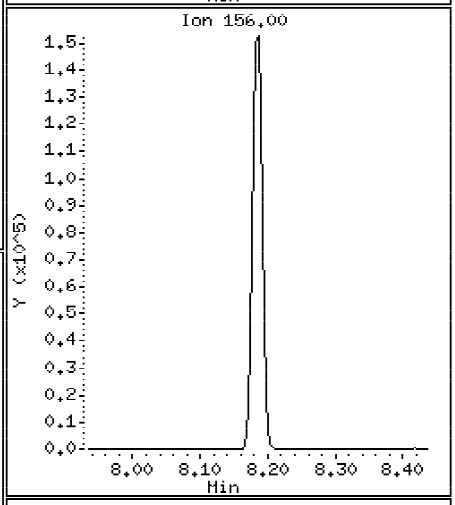
Column phase: DB-624 Column diameter: 0.18

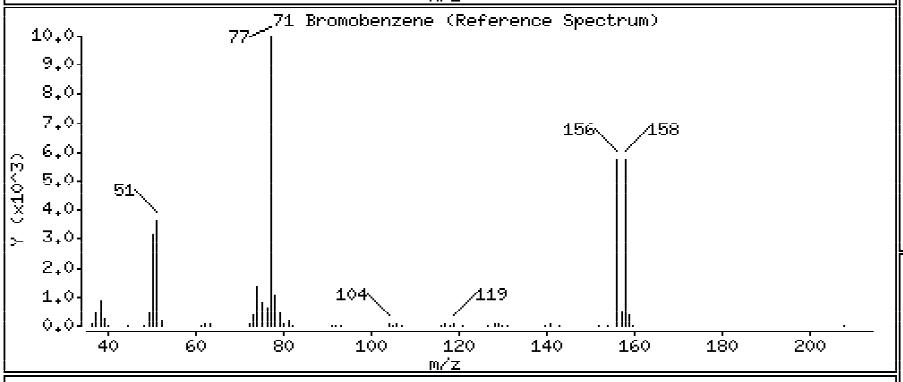
71 Bromobenzene Concentration: 50.8 ppb

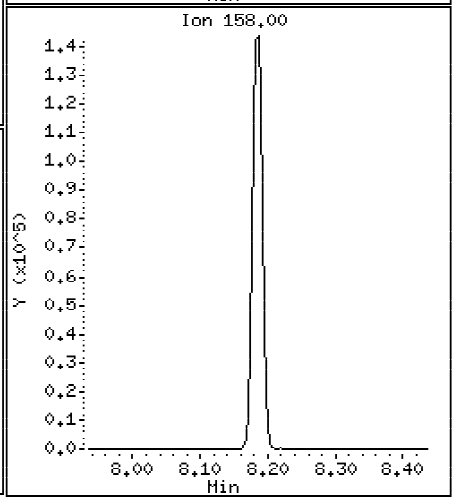


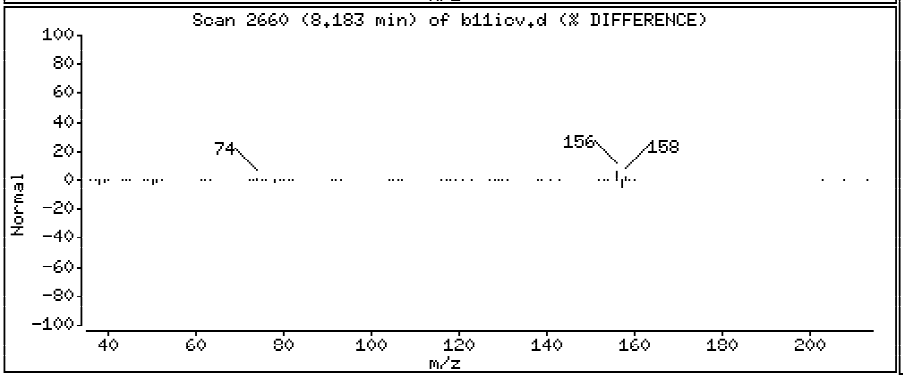












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 76

Date : 02-MAY-2014 16:27

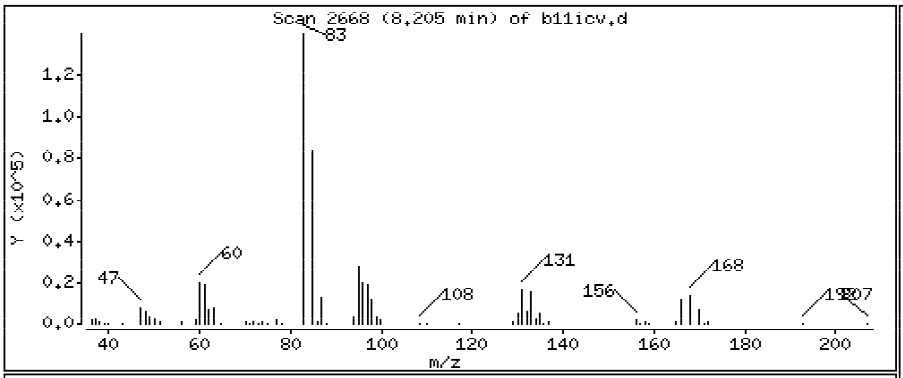
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

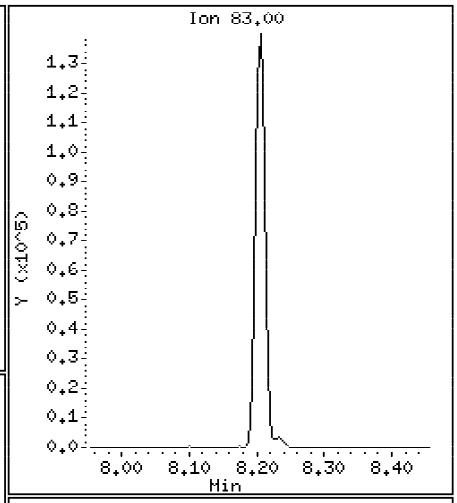
Sample Info: 8260-ICV,65556:0

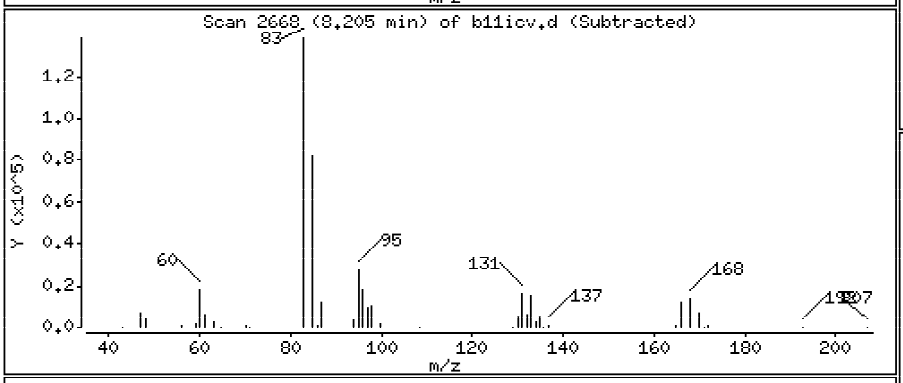
Purge Volume: 5.0 Operator: dae

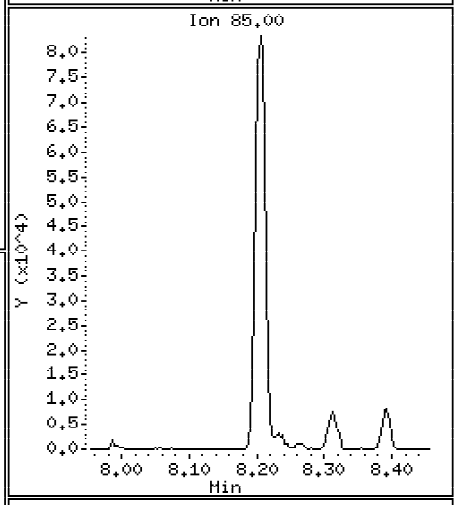
Column phase: DB-624 Column diameter: 0.18

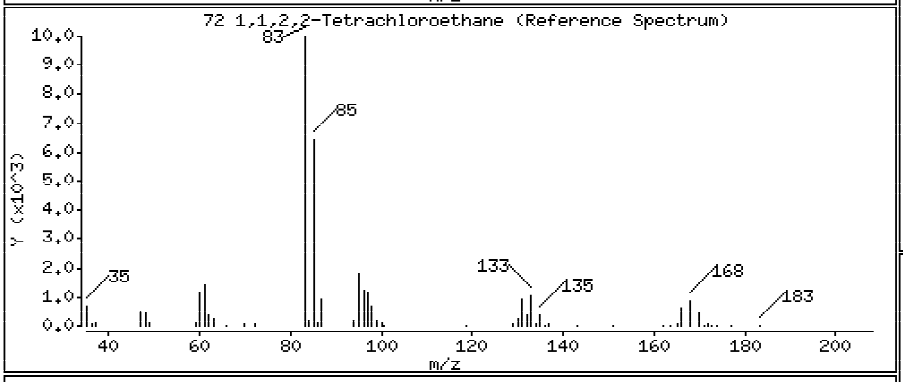
72 1,1,2,2-Tetrachloroethane Concentration: 53.7 ppb

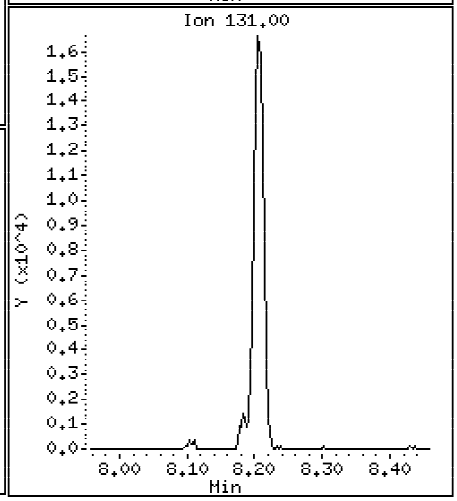


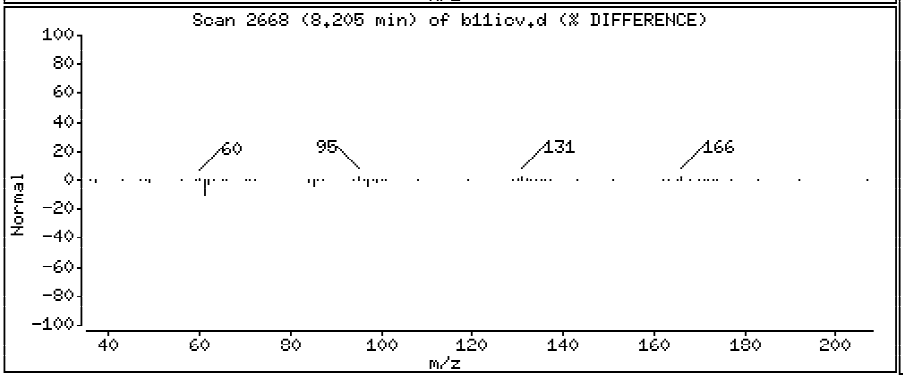












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 77

Date : 02-MAY-2014 16:27

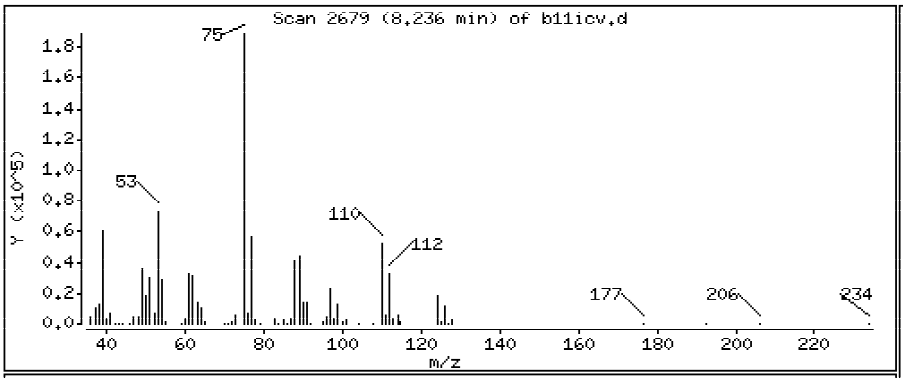
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

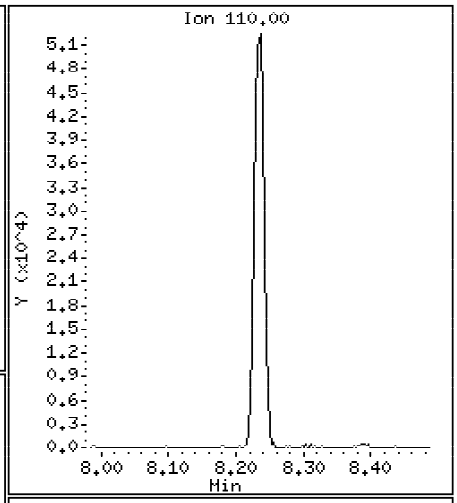
Sample Info: 8260-ICV,65556:0

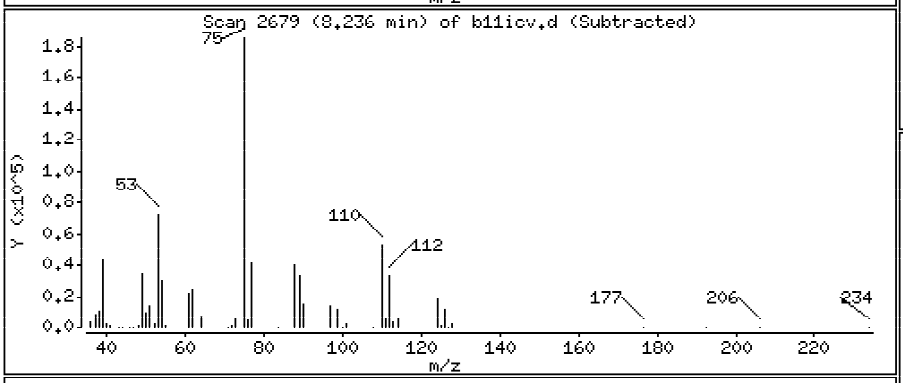
Purge Volume: 5.0 Operator: dae

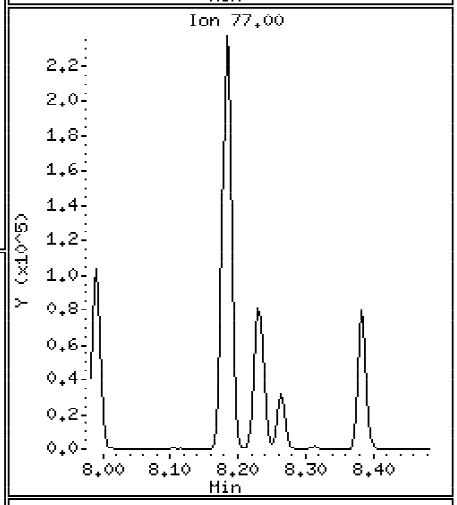
Column phase: DB-624 Column diameter: 0.18

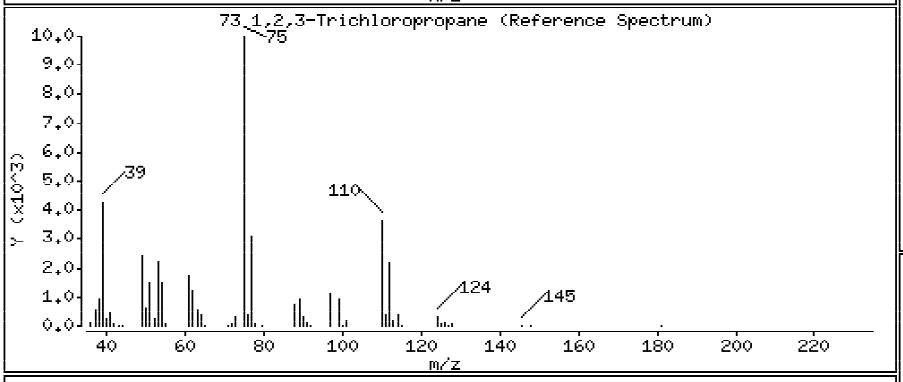
73 1,2,3-Trichloropropane Concentration: 49.2 ppb

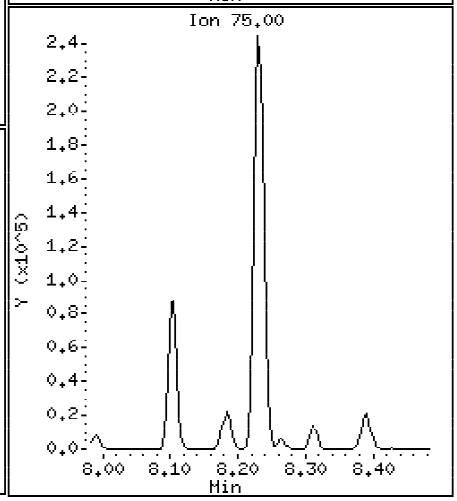


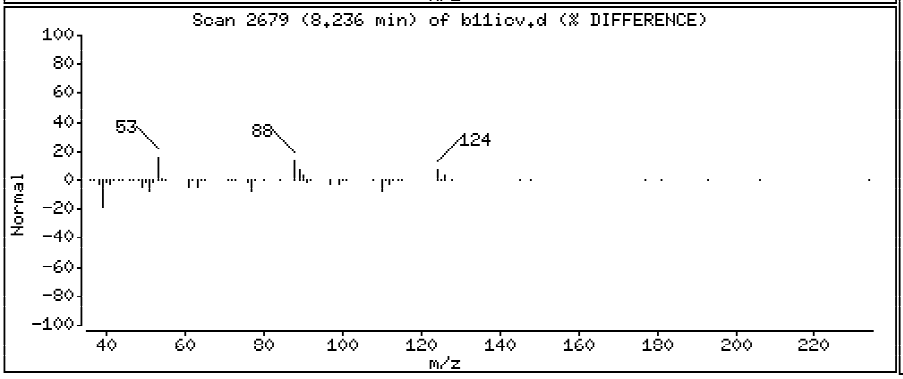












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 78

Date : 02-MAY-2014 16:27

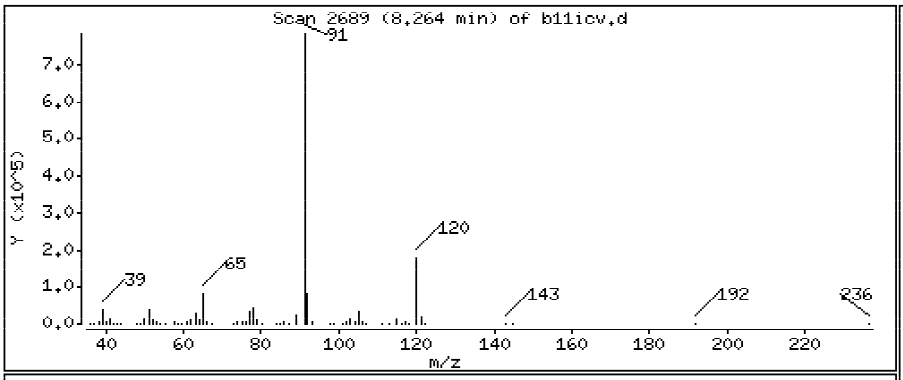
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

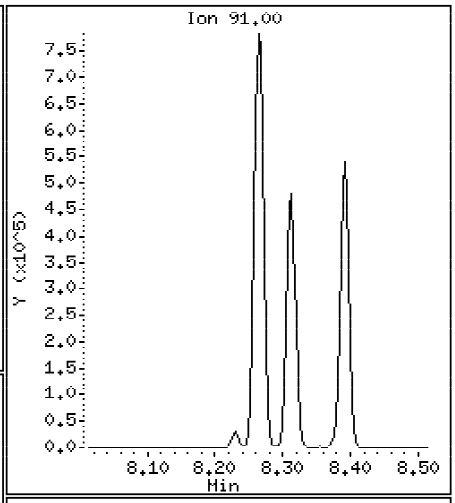
Sample Info: 8260-ICV,65556:0

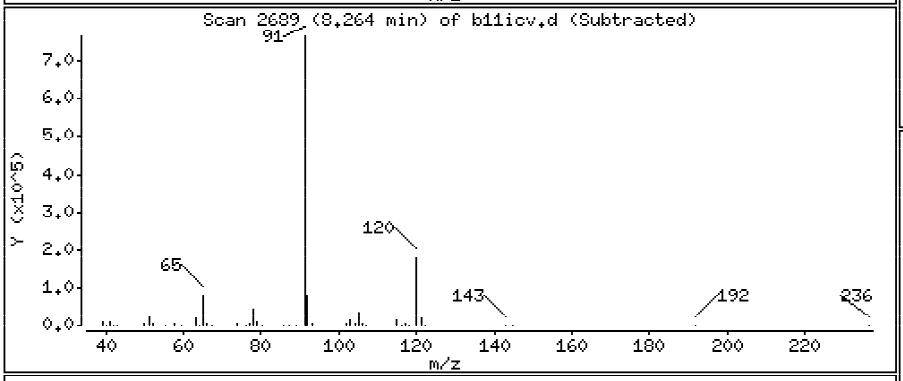
Purge Volume: 5.0 Operator: dae

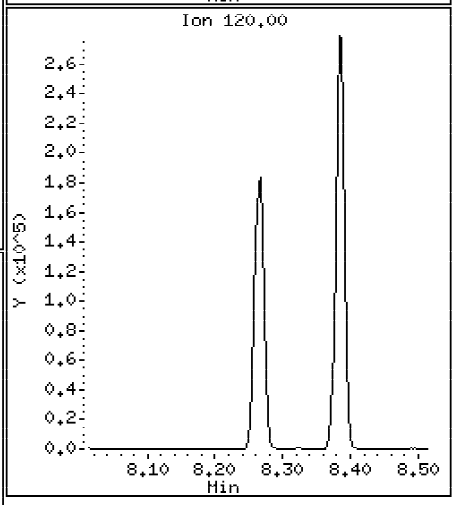
Column phase: DB-624 Column diameter: 0.18

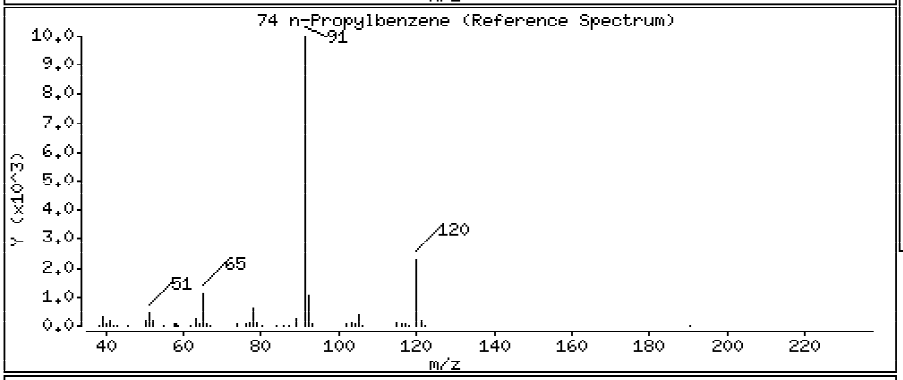
74 n-Propylbenzene Concentration: 54.5 ppb

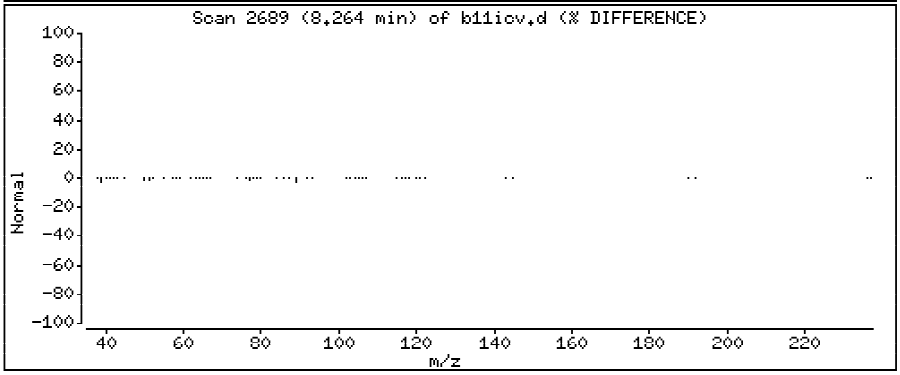












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 79

Date : 02-MAY-2014 16:27

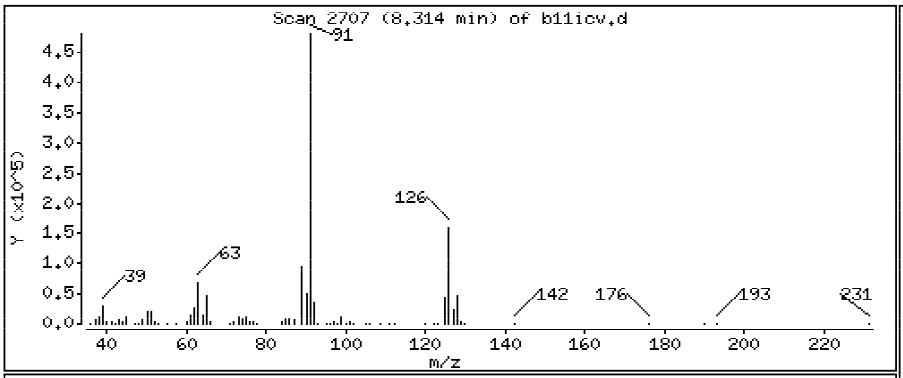
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

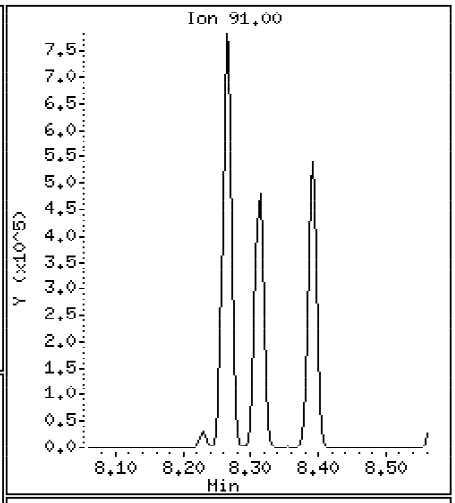
Sample Info: 8260-ICV,65556:0

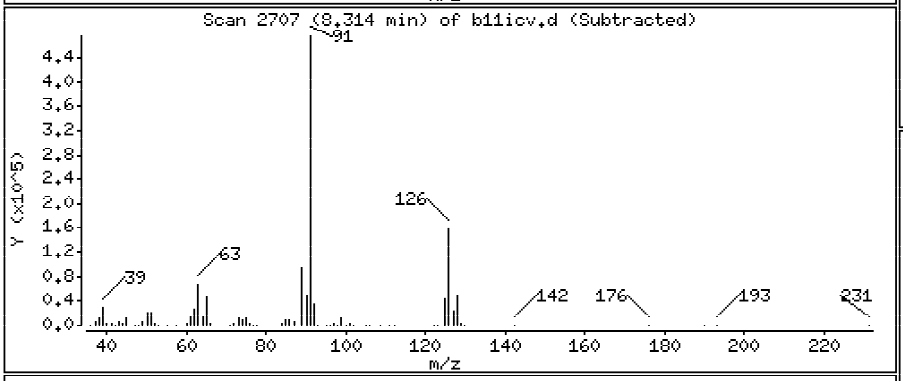
Purge Volume: 5.0 Operator: dae

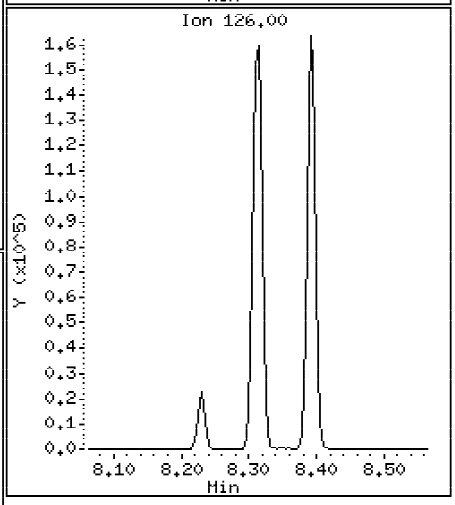
Column phase: DB-624 Column diameter: 0.18

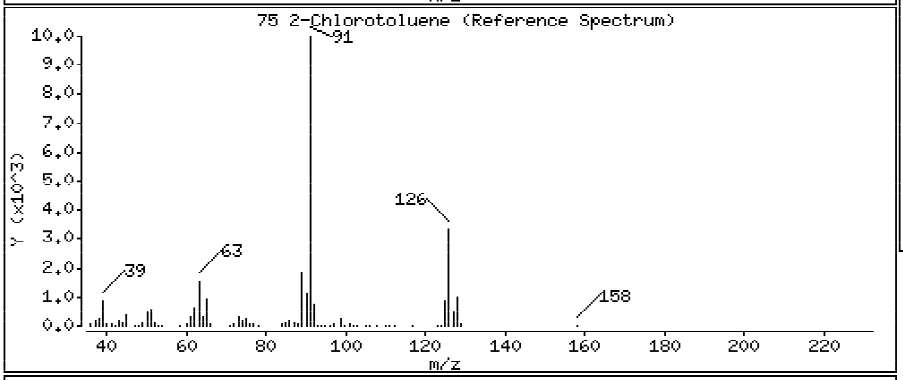
75 2-Chlorotoluene Concentration: 50.9 ppb

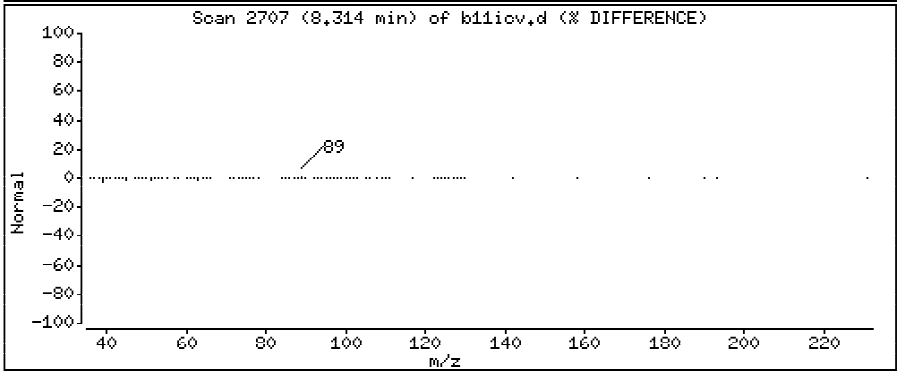












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 80

Date : 02-MAY-2014 16:27

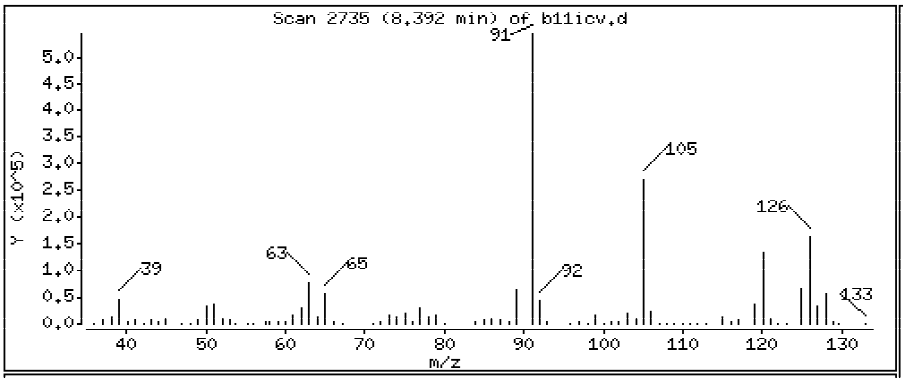
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

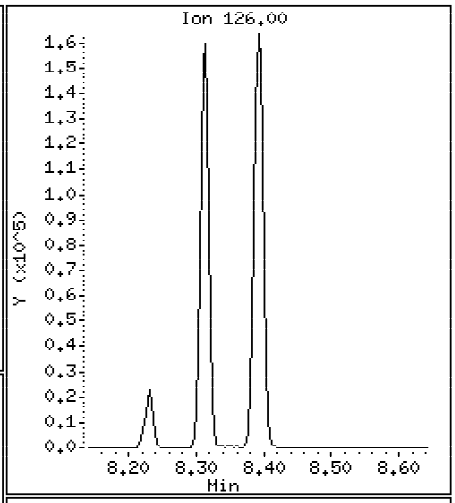
Sample Info: 8260-ICV,65556:0

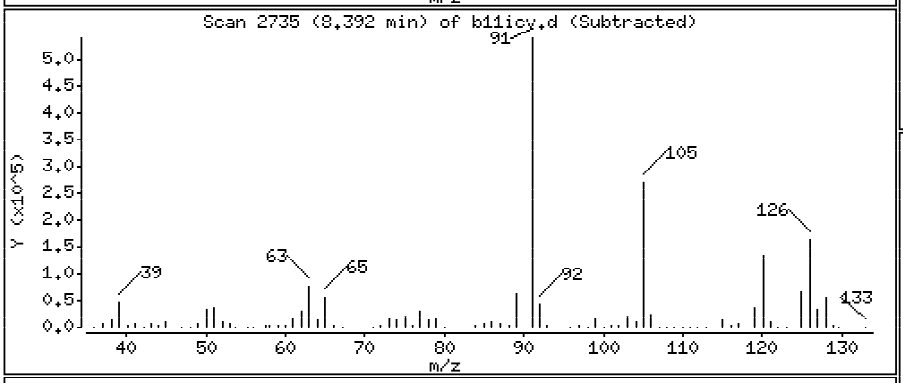
Purge Volume: 5.0 Operator: dae

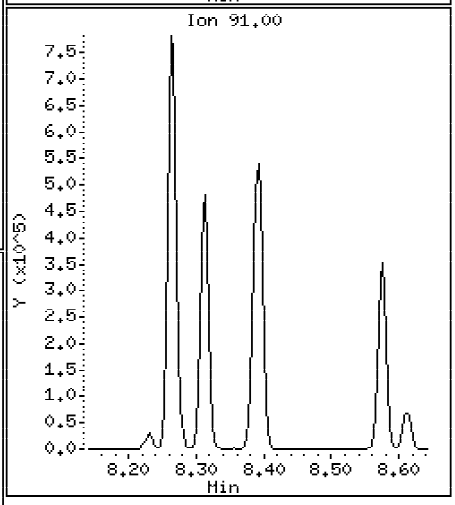
Column phase: DB-624 Column diameter: 0.18

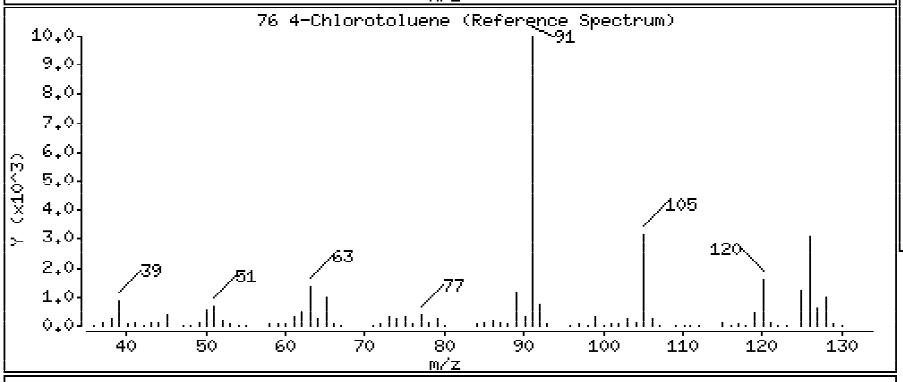
76 4-Chlorotoluene Concentration: 50.6 ppb

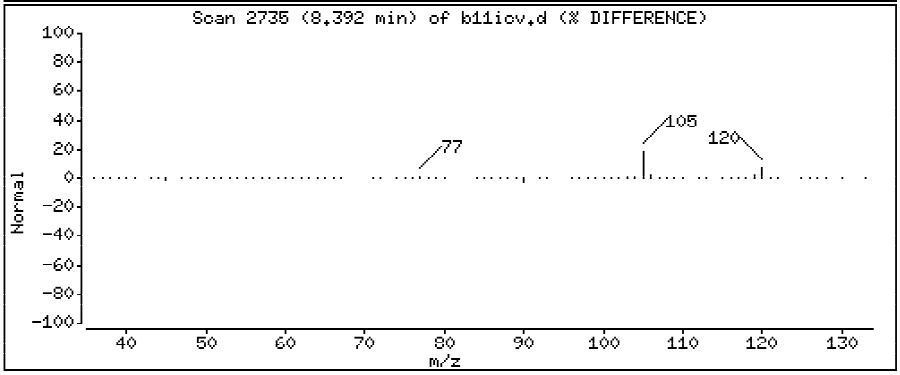












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 81

Date : 02-MAY-2014 16:27

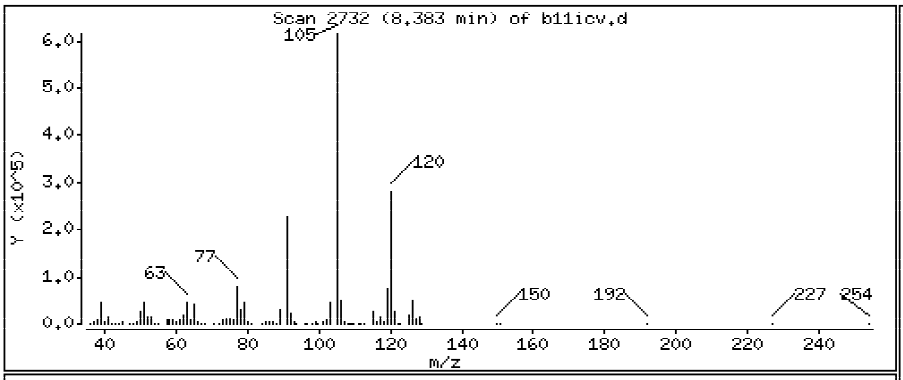
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

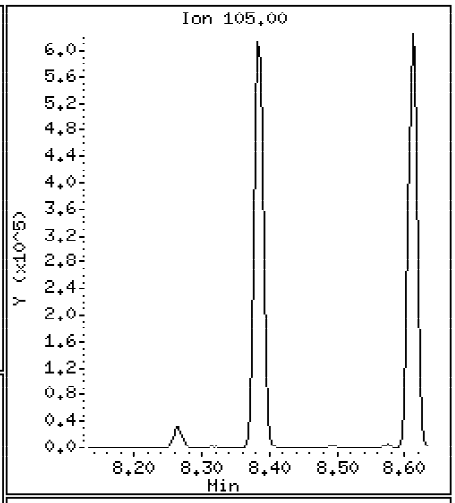
Sample Info: 8260-ICV,65556:0

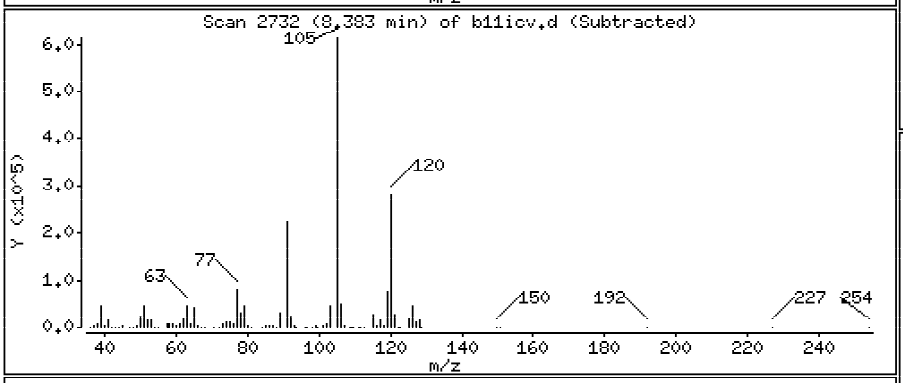
Purge Volume: 5.0 Operator: dae

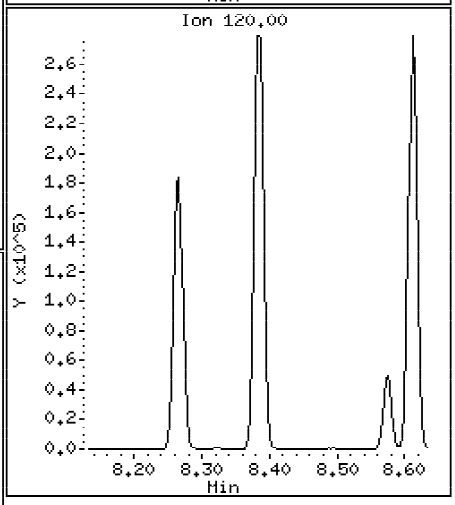
Column phase: DB-624 Column diameter: 0.18

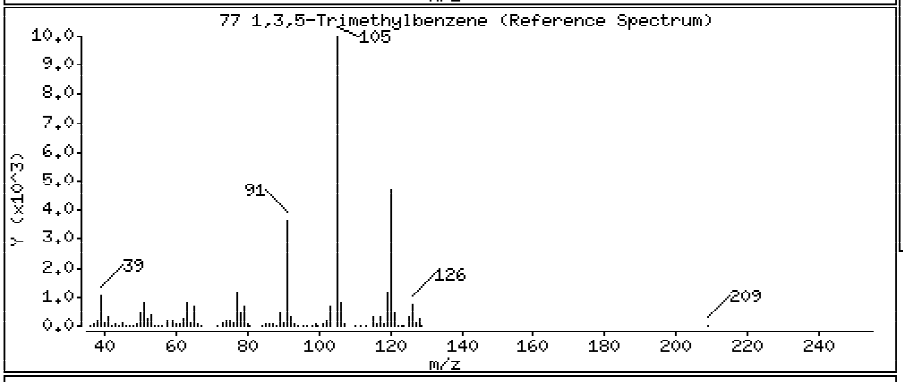
77 1,3,5-Trimethylbenzene Concentration: 54.2 ppb

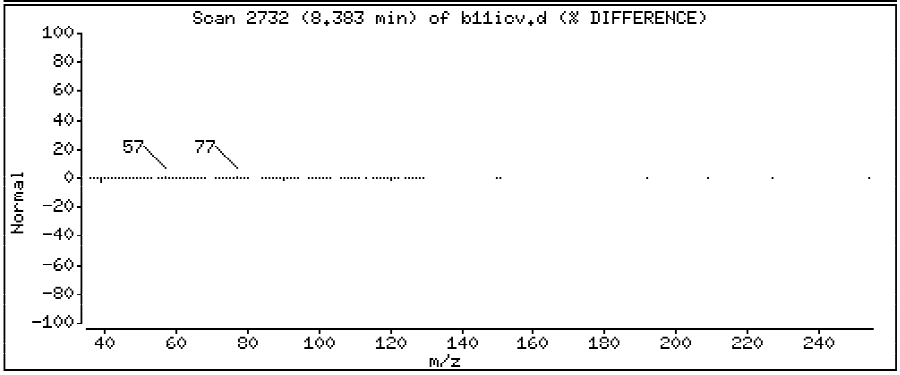












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 82

Date : 02-MAY-2014 16:27

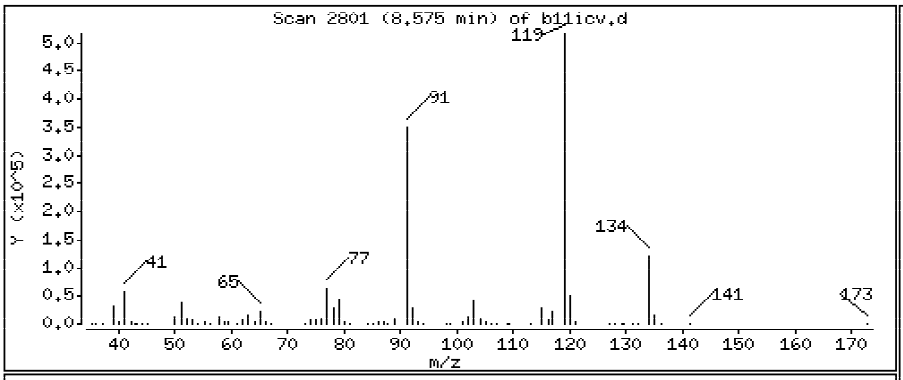
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

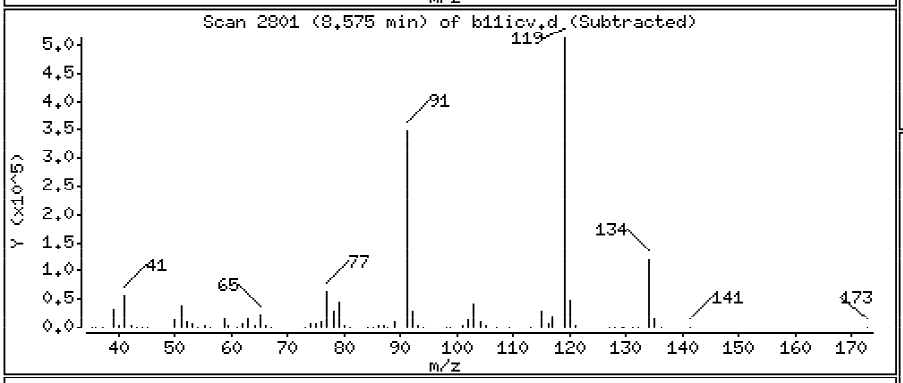
Sample Info: 8260-ICV,65556:0

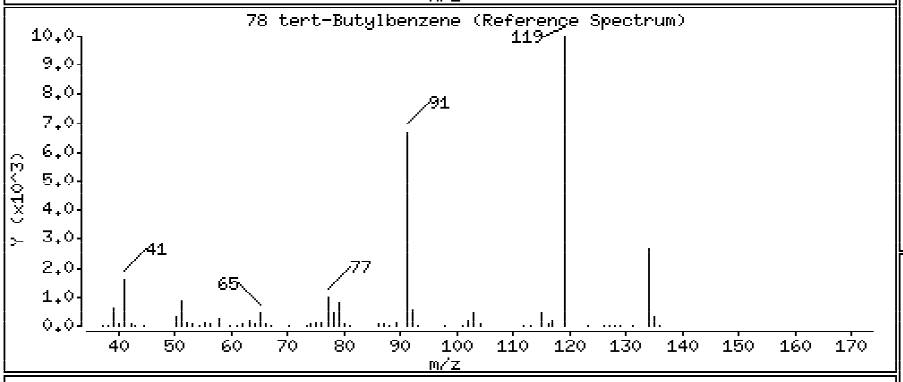
Purge Volume: 5.0 Operator: dae

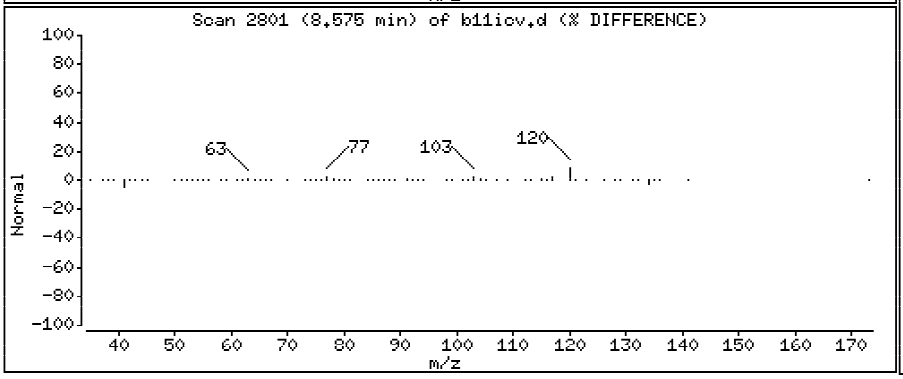
Column phase: DB-624 Column diameter: 0.18

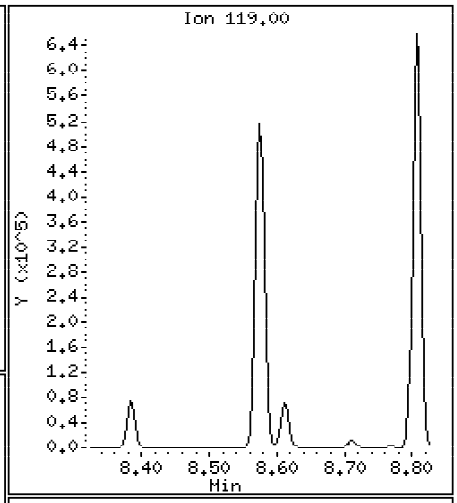
78 tert-Butylbenzene Concentration: 45.3 ppb

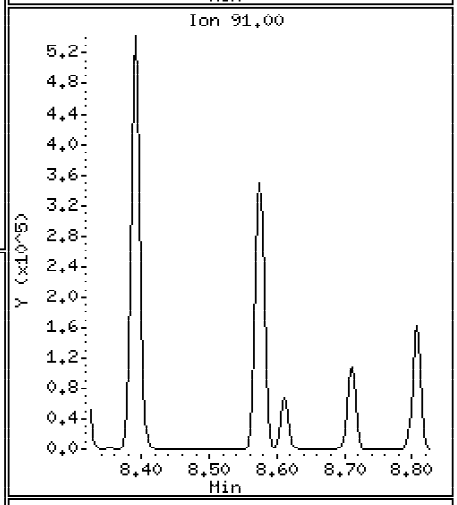


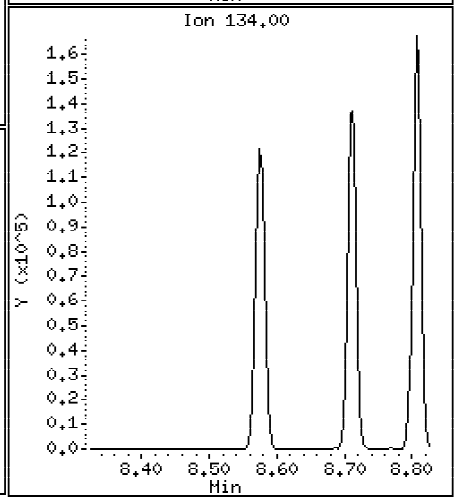












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 83

Date : 02-MAY-2014 16:27

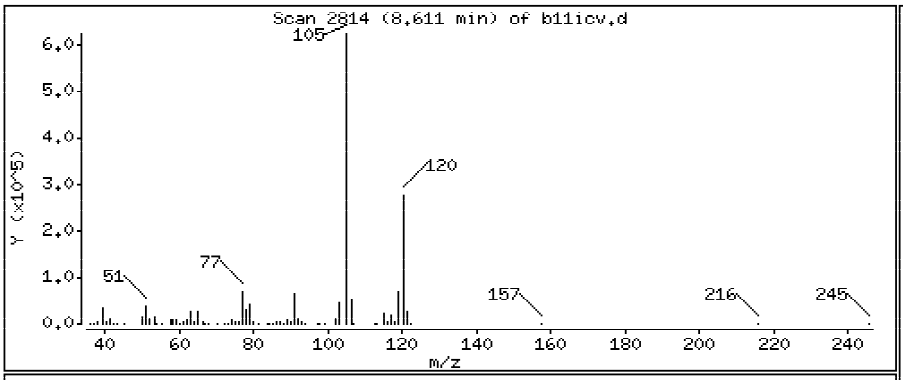
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

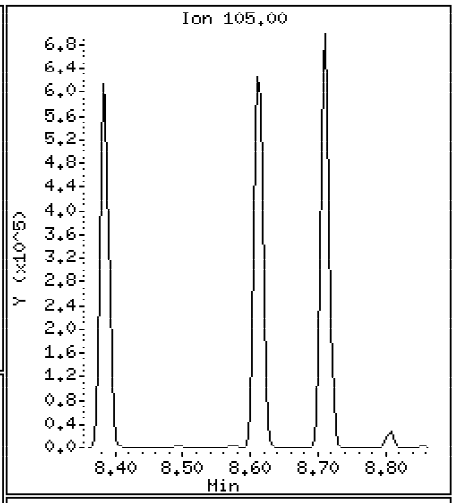
Sample Info: 8260-ICV,65556:0

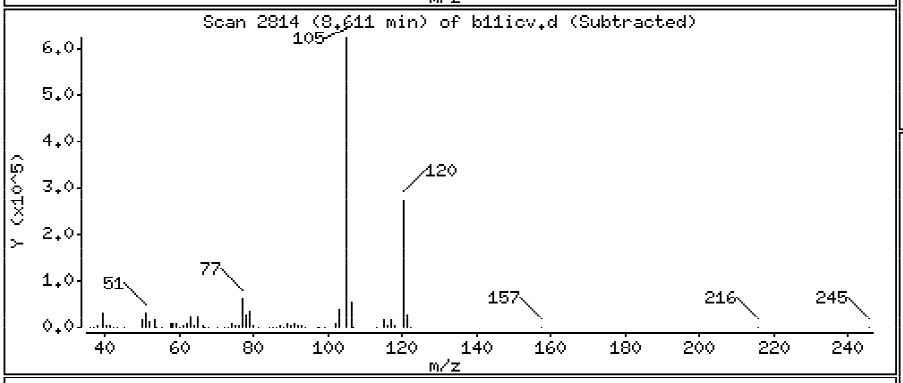
Purge Volume: 5.0 Operator: dae

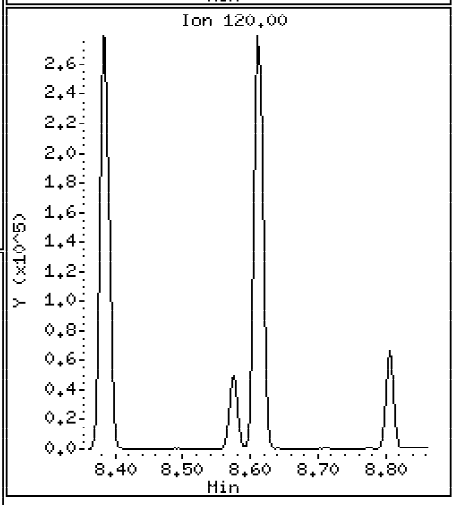
Column phase: DB-624 Column diameter: 0.18

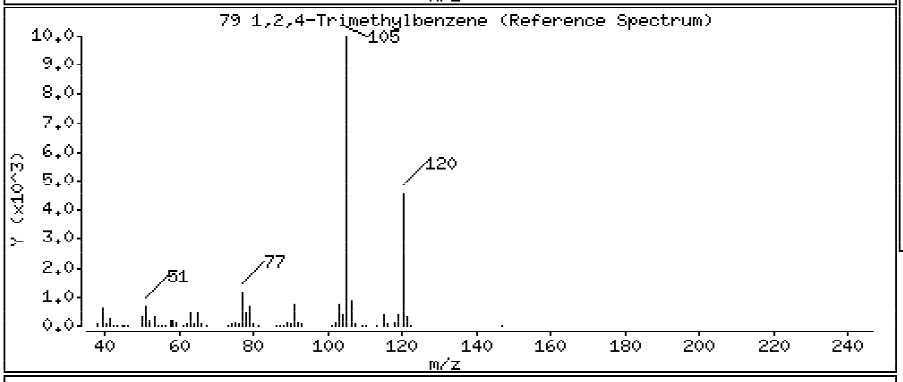
79 1,2,4-Trimethylbenzene Concentration: 54.7 ppb

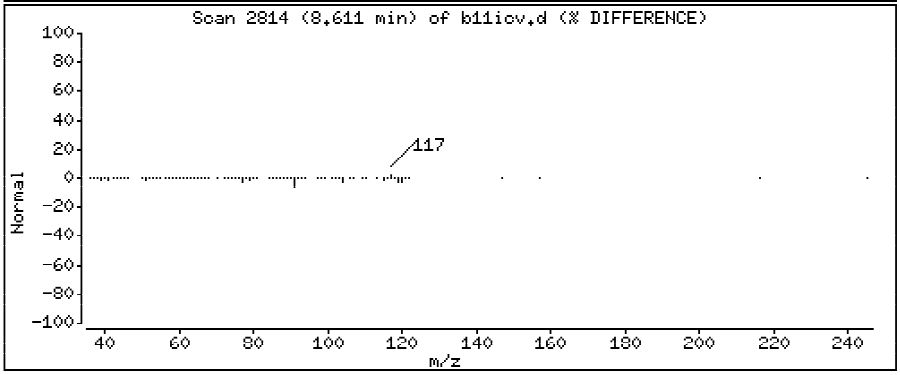












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 84

Date : 02-MAY-2014 16:27

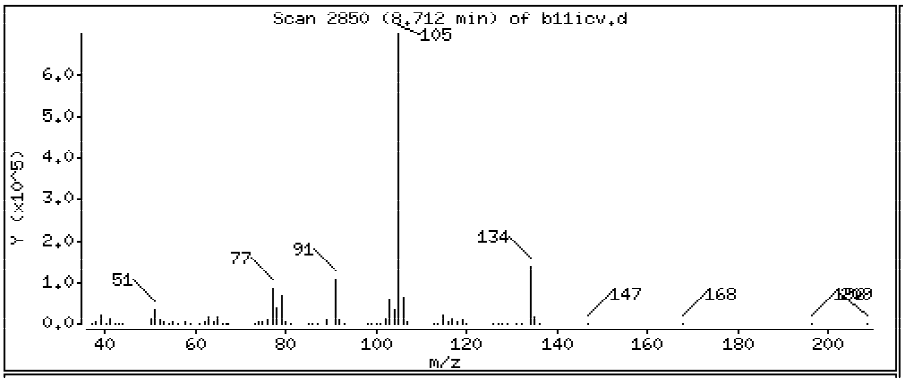
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

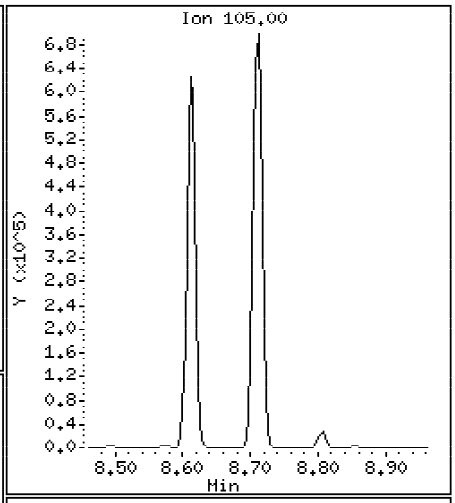
Sample Info: 8260-ICV,65556:0

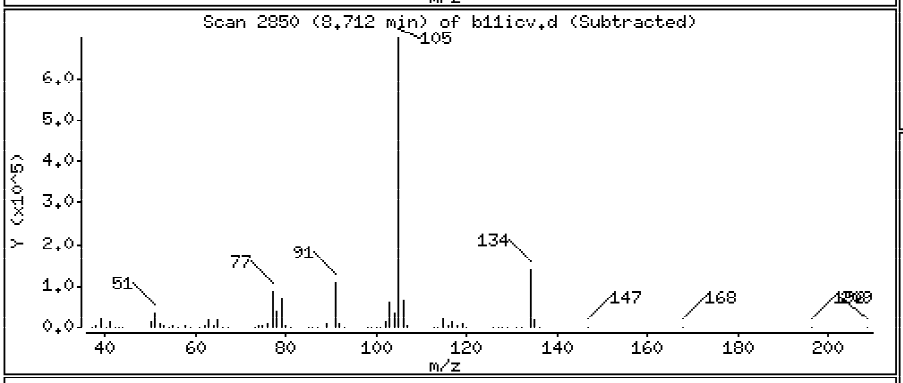
Purge Volume: 5.0 Operator: dae

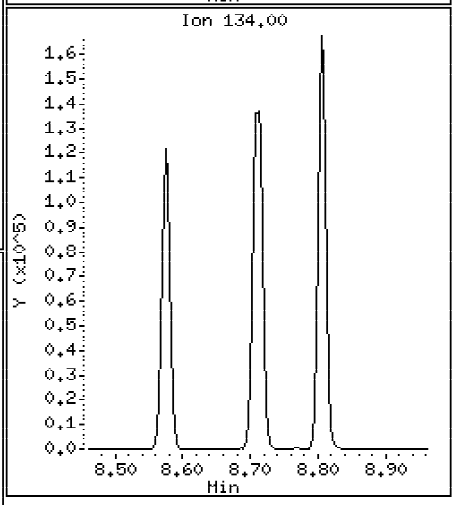
Column phase: DB-624 Column diameter: 0.18

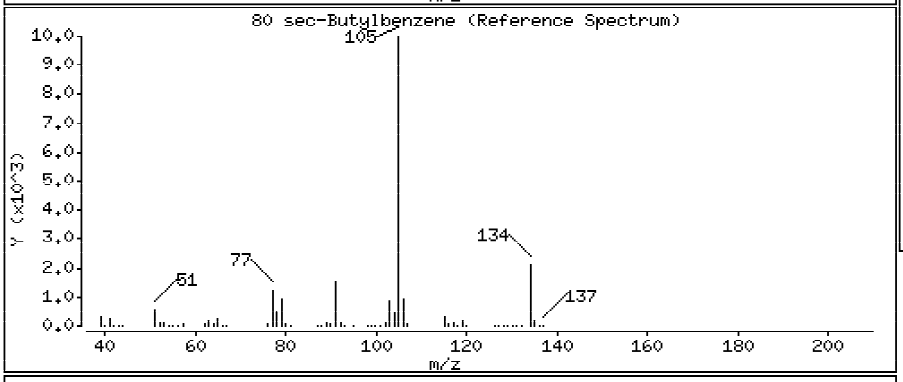
80 sec-Butylbenzene Concentration: 54.6 ppb

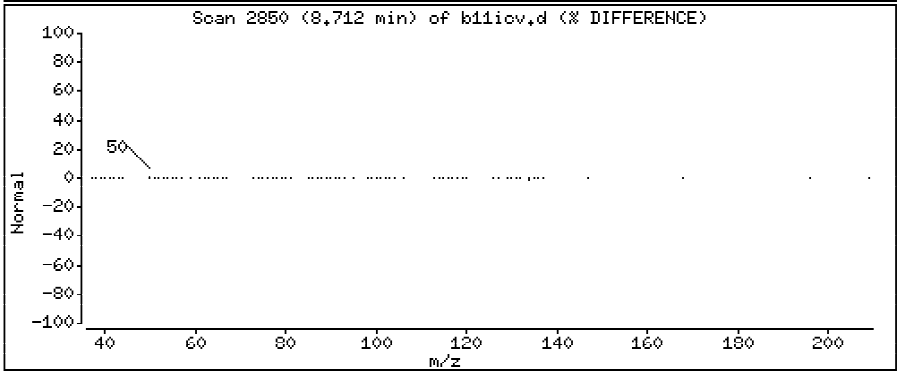












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 85

Date : 02-MAY-2014 16:27

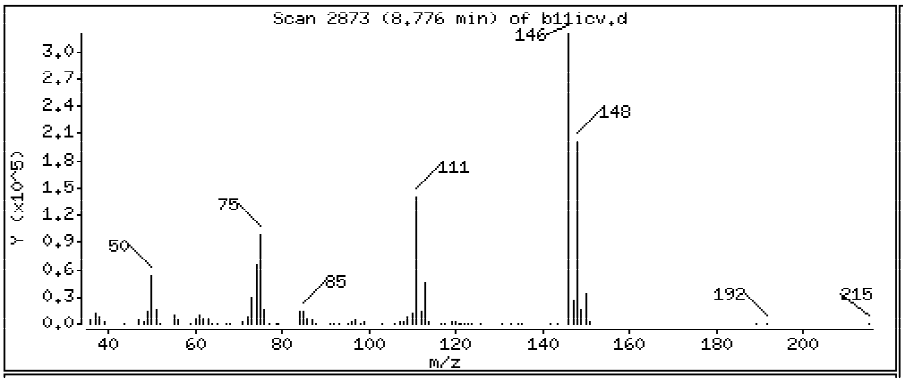
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

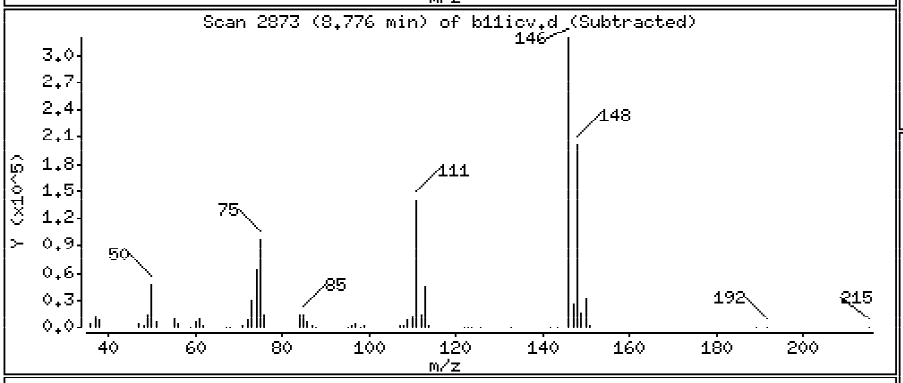
Sample Info: 8260-ICV,65556:0

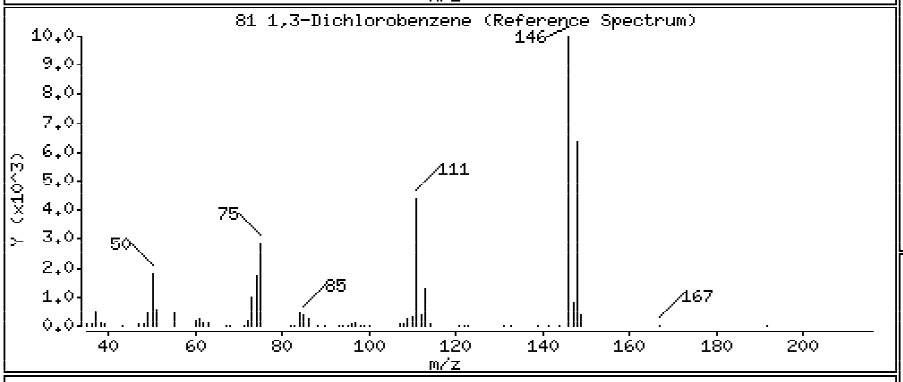
Purge Volume: 5.0 Operator: dae

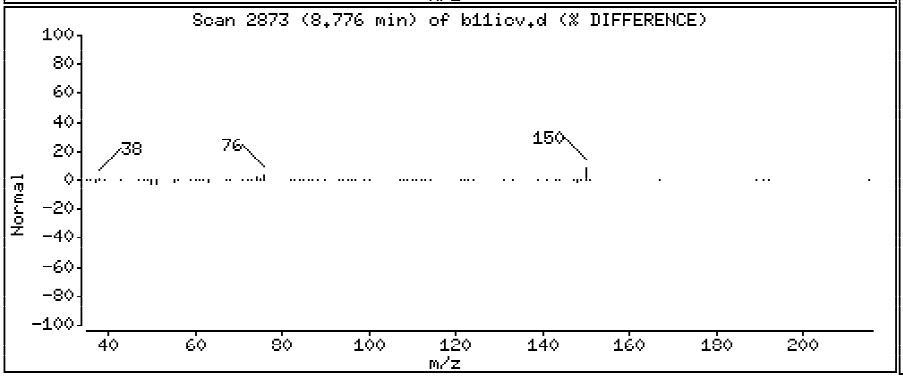
Column phase: DB-624 Column diameter: 0.18

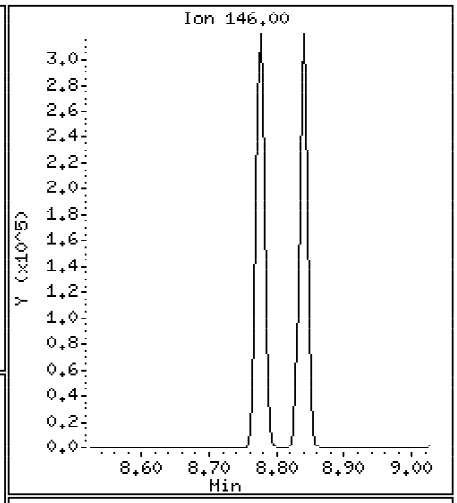
81 1,3-Dichlorobenzene Concentration: 51.8 ppb

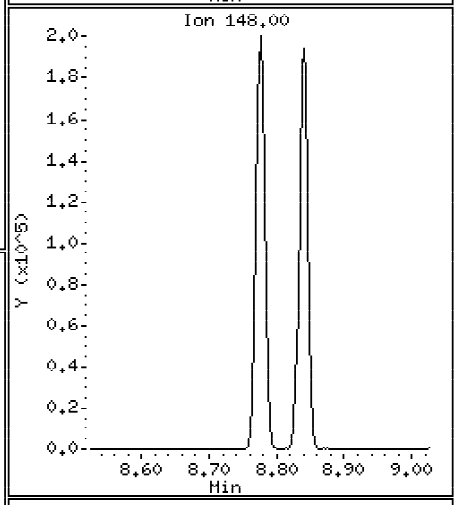


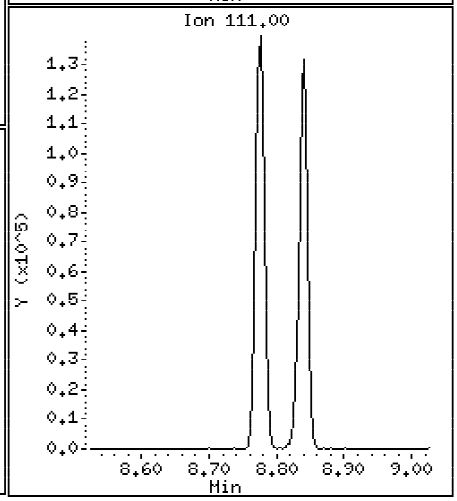












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 86

Date : 02-MAY-2014 16:27

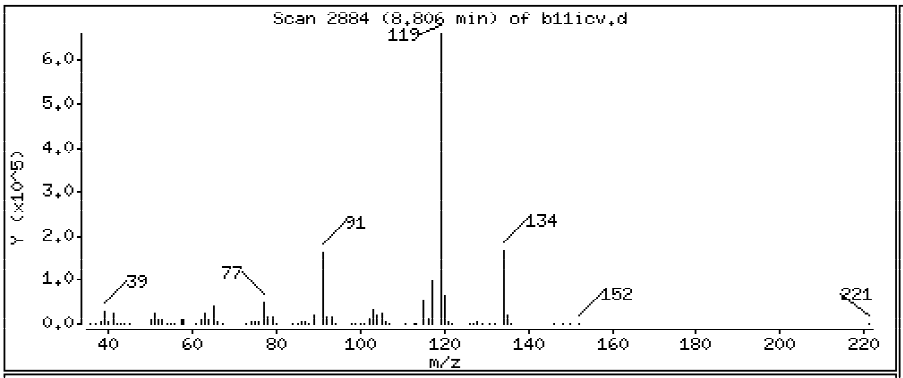
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

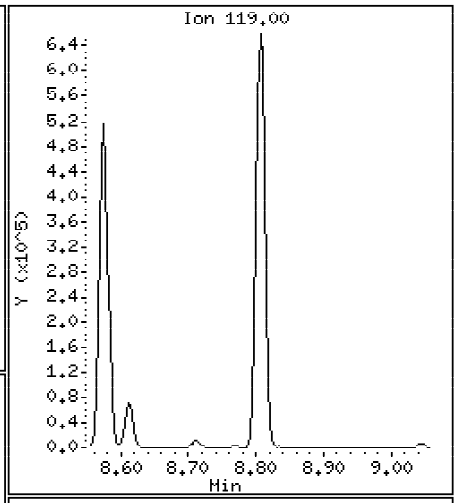
Sample Info: 8260-ICV,65556:0

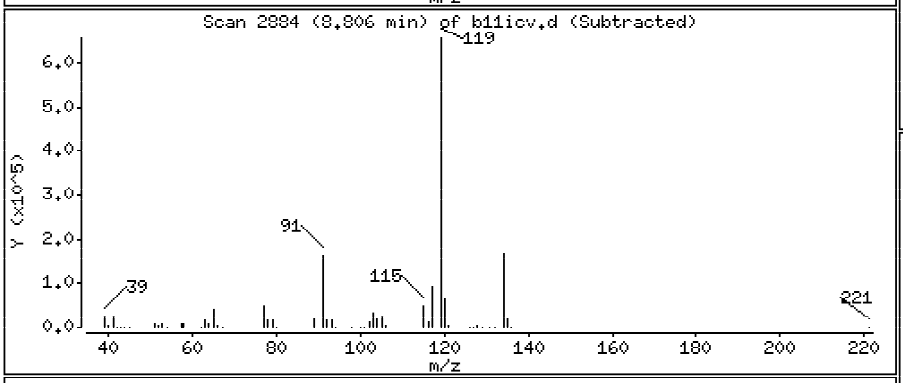
Purge Volume: 5.0 Operator: dae

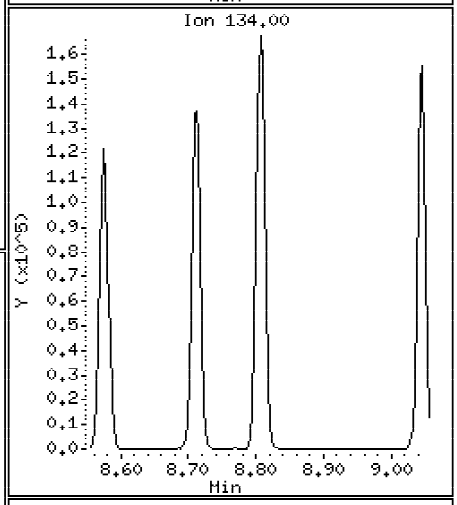
Column phase: DB-624 Column diameter: 0.18

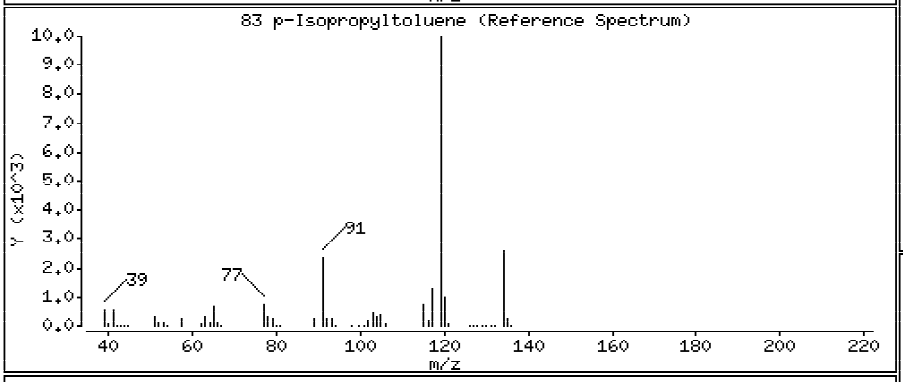
83 p-Isopropyltoluene Concentration: 55.2 ppb

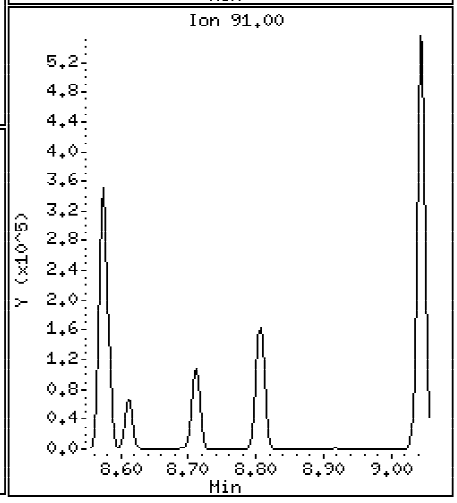


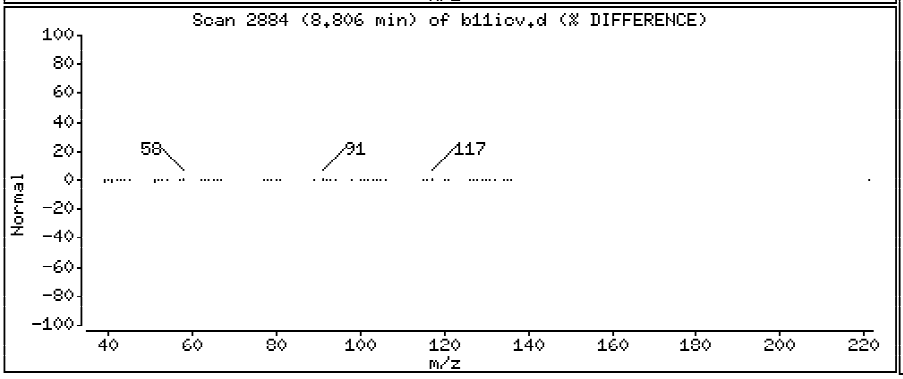












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 87

Date : 02-MAY-2014 16:27

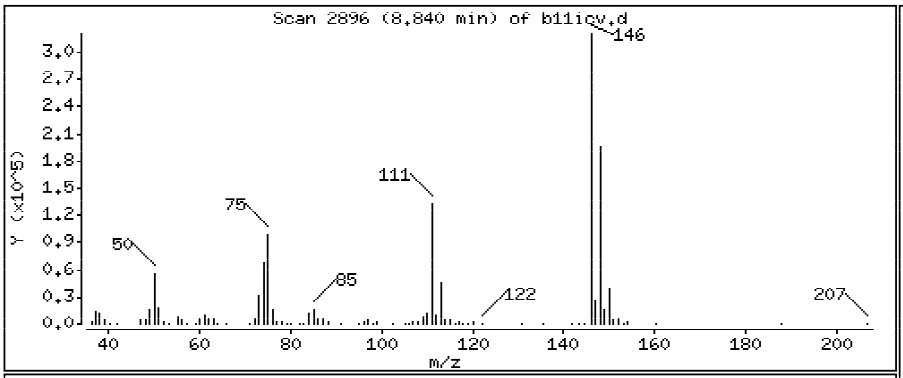
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

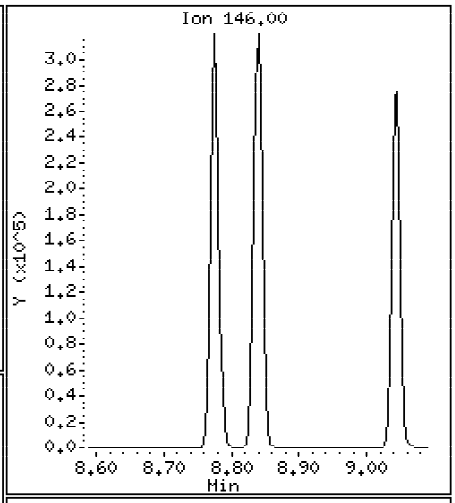
Sample Info: 8260-ICV,65556:0

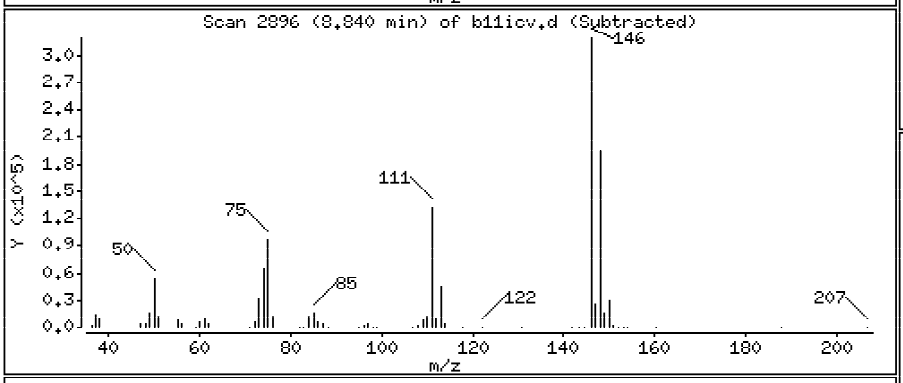
Purge Volume: 5.0 Operator: dae

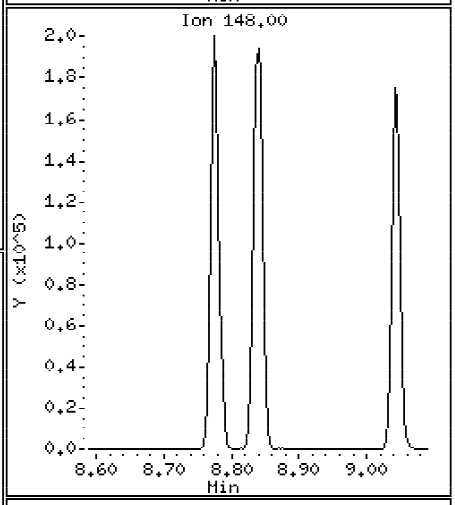
Column phase: DB-624 Column diameter: 0.18

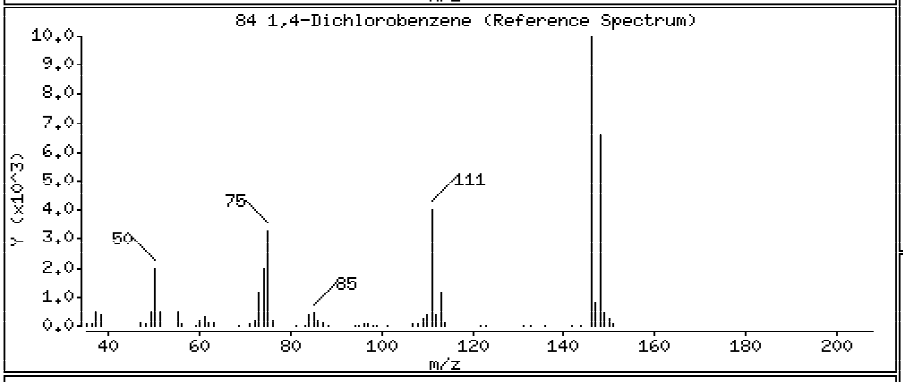
84 1,4-Dichlorobenzene Concentration: 51.0 ppb

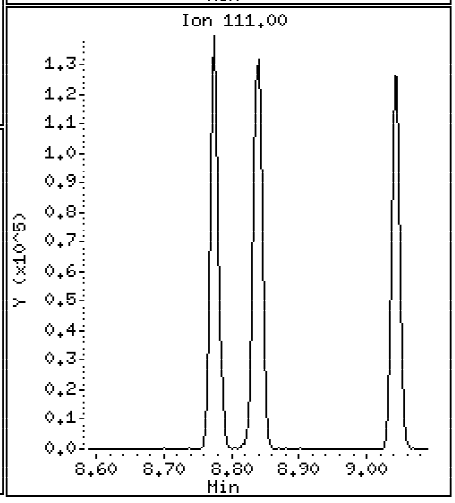


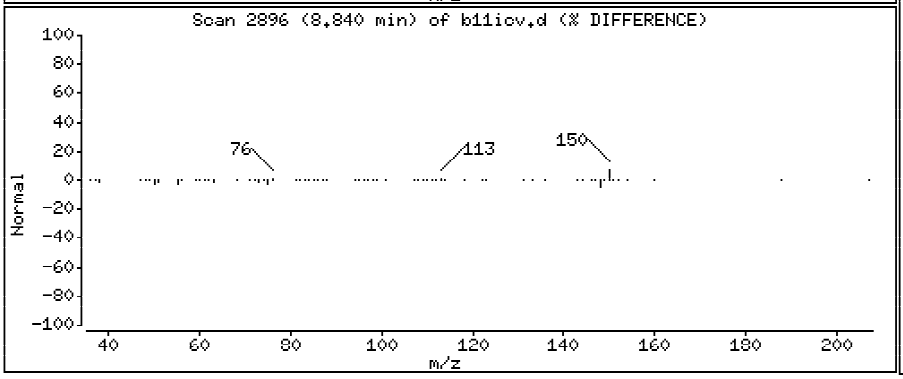












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 88

Date : 02-MAY-2014 16:27

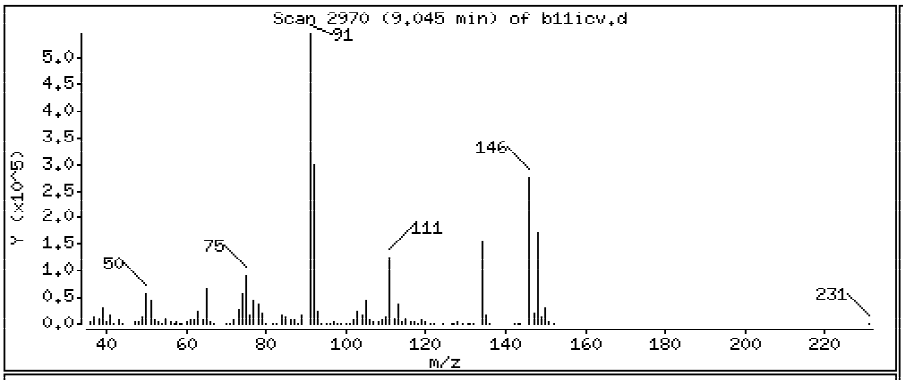
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

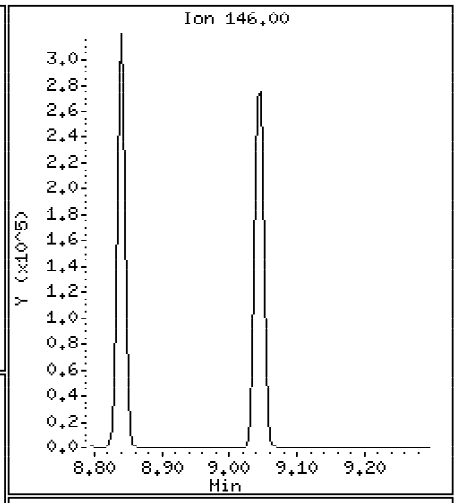
Sample Info: 8260-ICV,65556:0

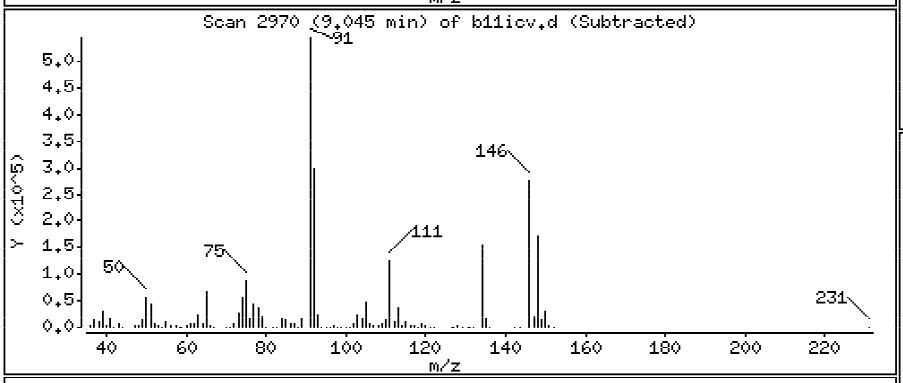
Purge Volume: 5.0 Operator: dae

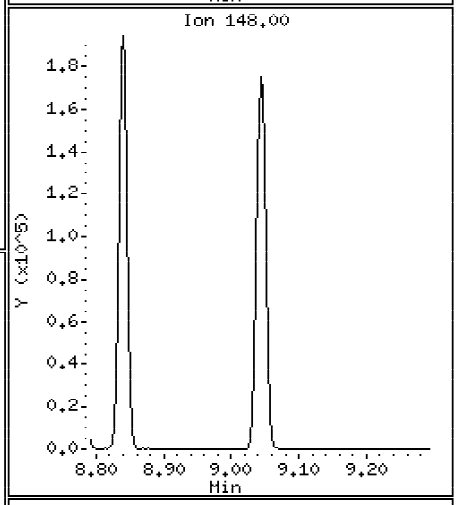
Column phase: DB-624 Column diameter: 0.18

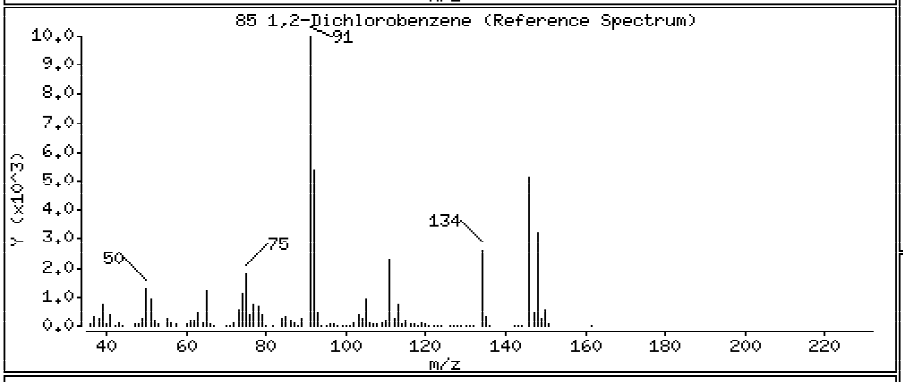
85 1,2-Dichlorobenzene Concentration: 53.0 ppb

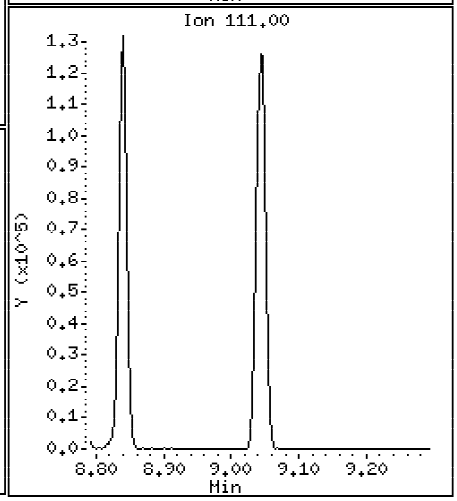


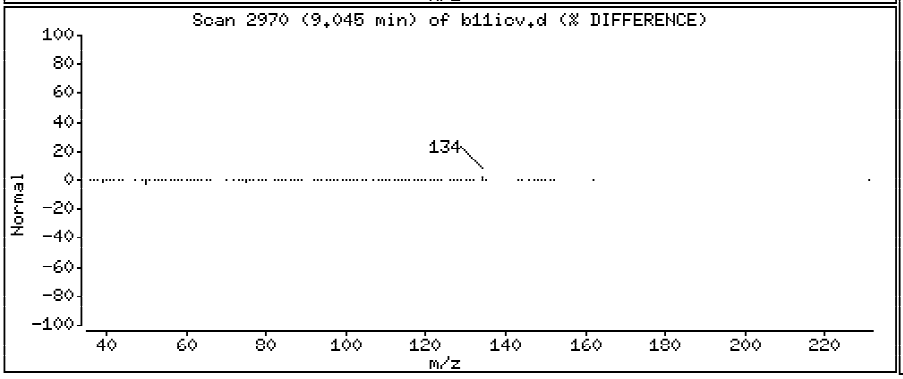












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 89

Date : 02-MAY-2014 16:27

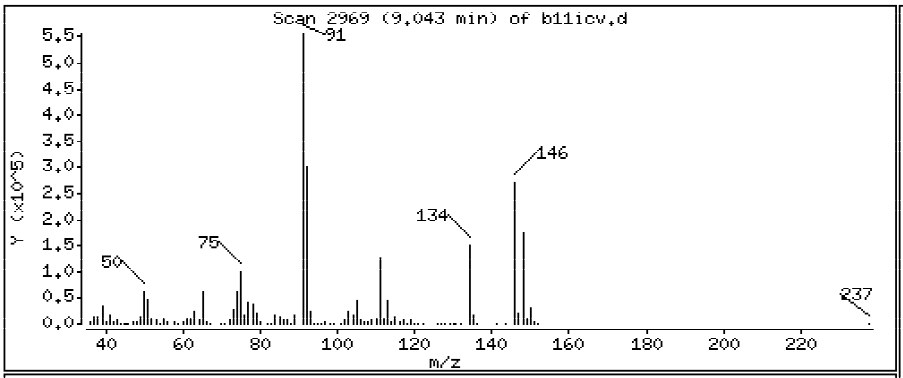
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

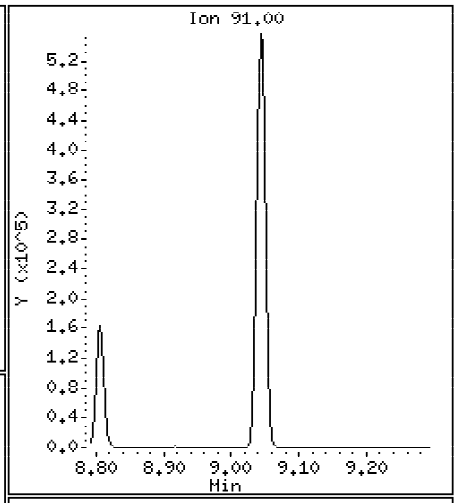
Sample Info: 8260-ICV,65556:0

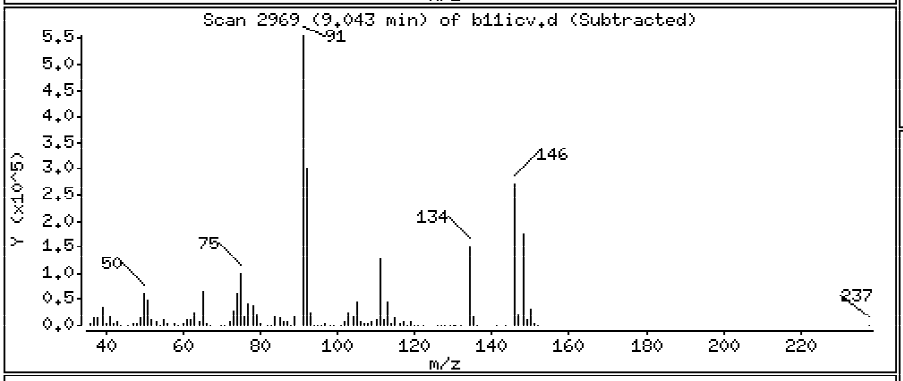
Purge Volume: 5.0 Operator: dae

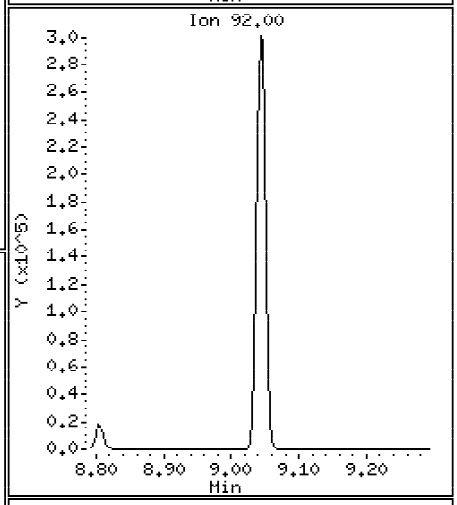
Column phase: DB-624 Column diameter: 0.18

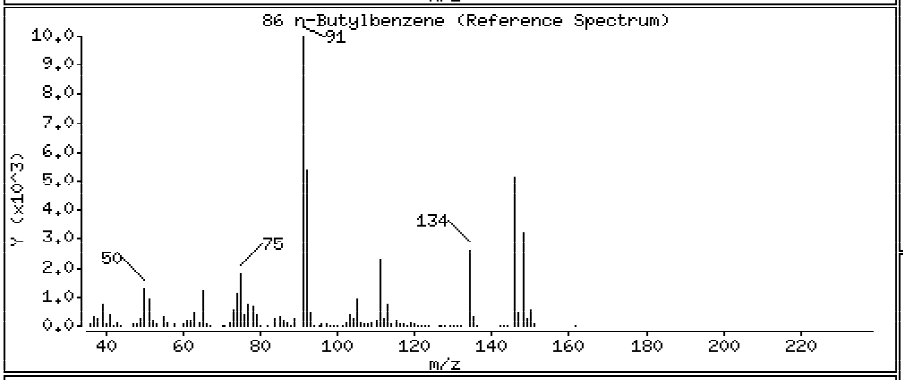
86 n-Butylbenzene Concentration: 56.8 ppb

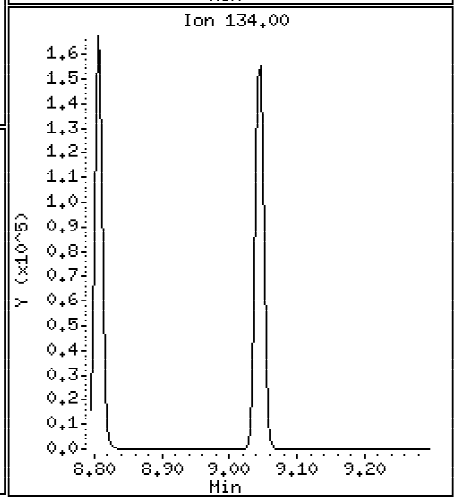


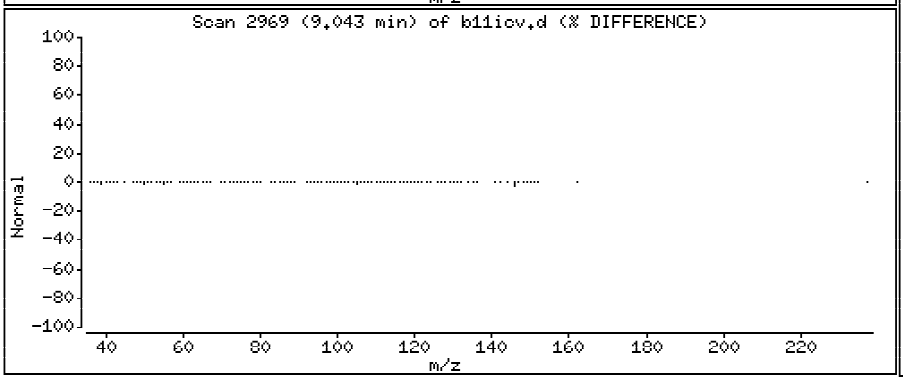












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 90

Date : 02-MAY-2014 16:27

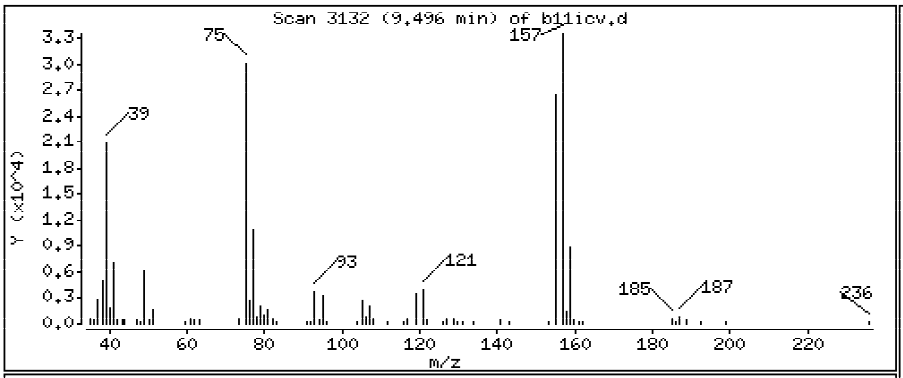
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

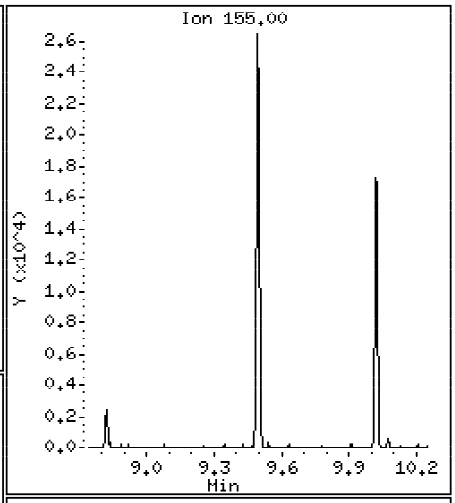
Sample Info: 8260-ICV,65556:0

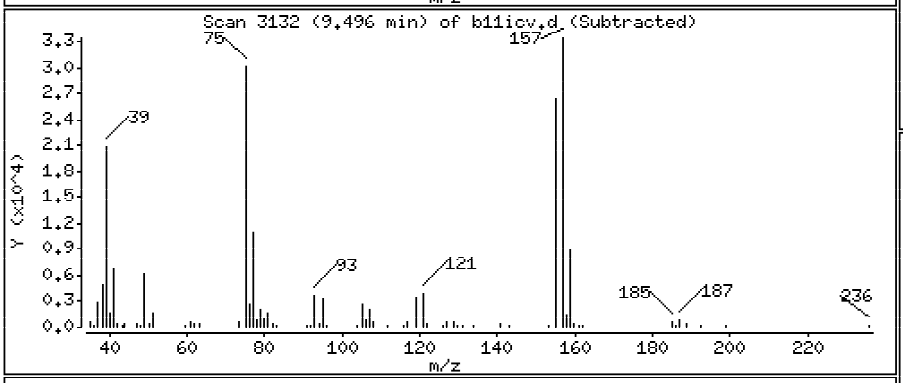
Purge Volume: 5.0 Operator: dae

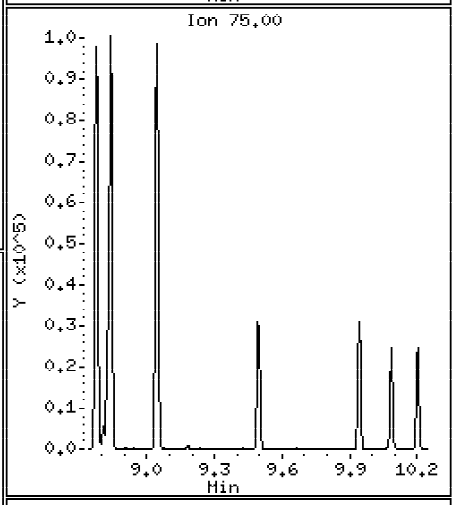
Column phase: DB-624 Column diameter: 0.18

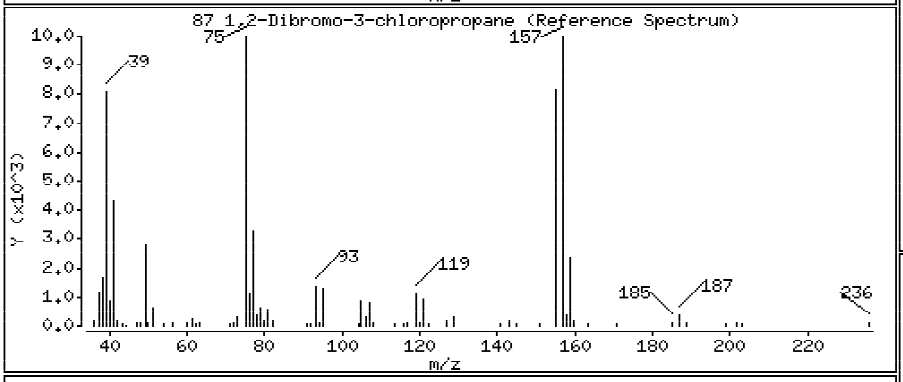
87 1,2-Dibromo-3-chloropropane Concentration: 47.8 ppb

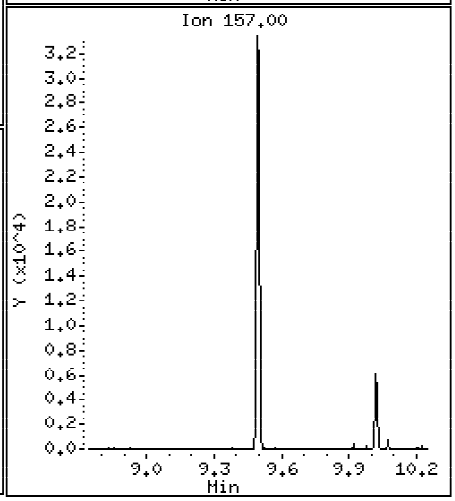


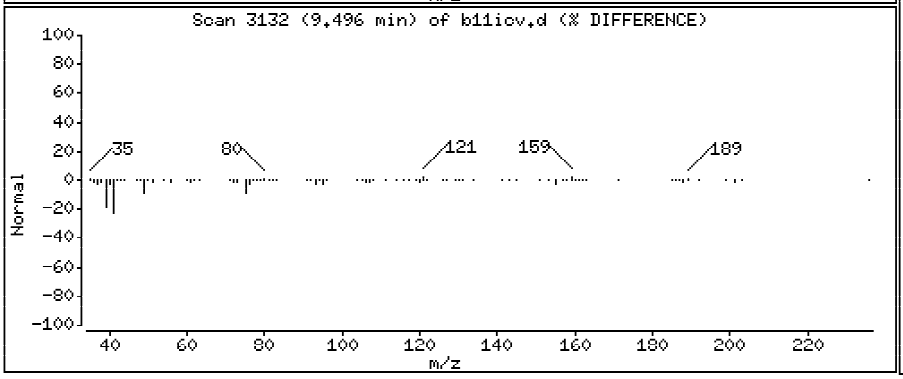












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 91

Date : 02-MAY-2014 16:27

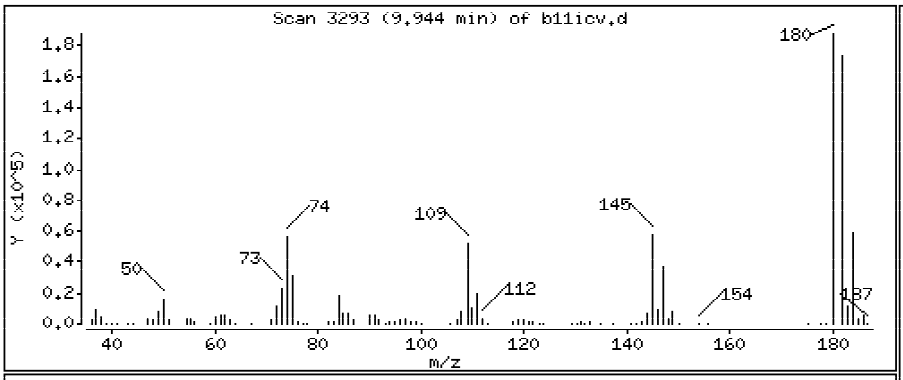
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

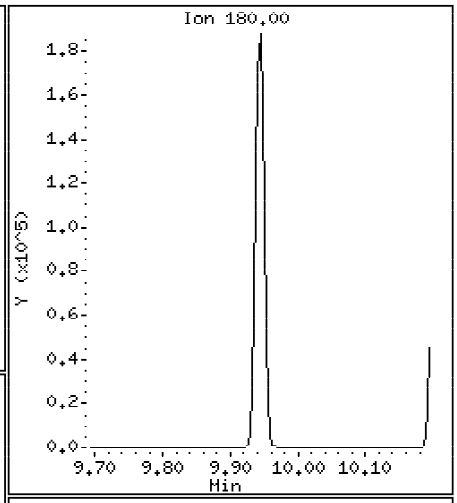
Sample Info: 8260-ICV,65556:0

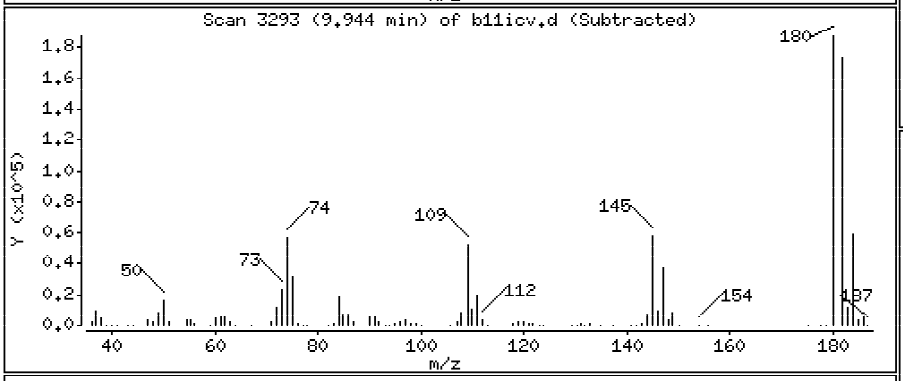
Purge Volume: 5.0 Operator: dae

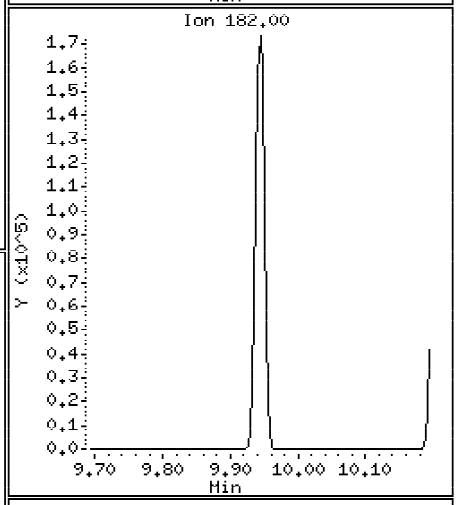
Column phase: DB-624 Column diameter: 0.18

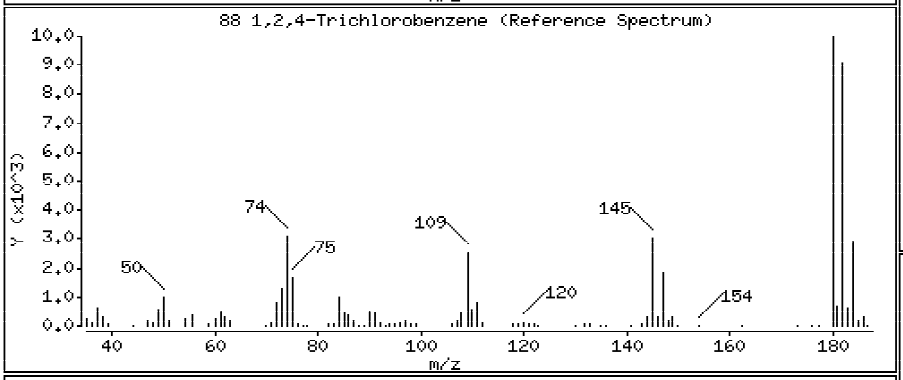
88 1,2,4-Trichlorobenzene Concentration: 62.0 ppb

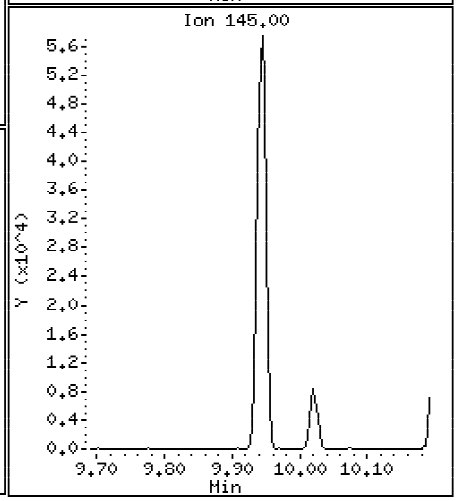


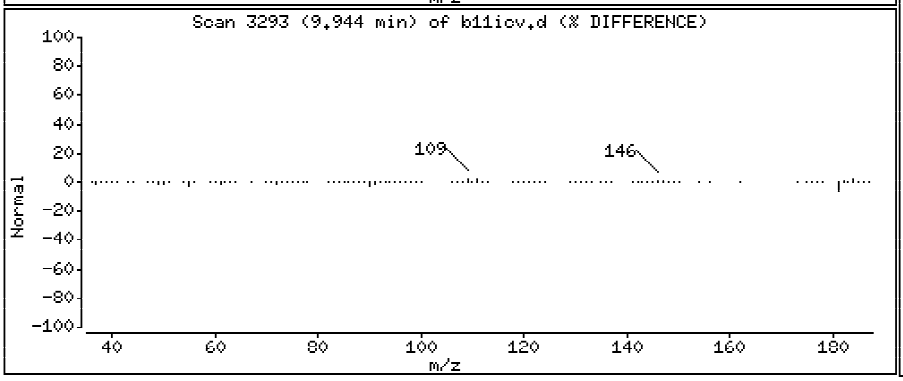












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 92

Date : 02-MAY-2014 16:27

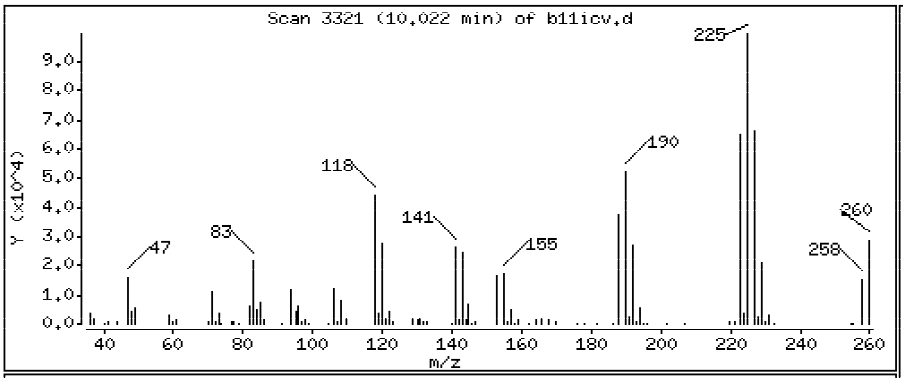
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

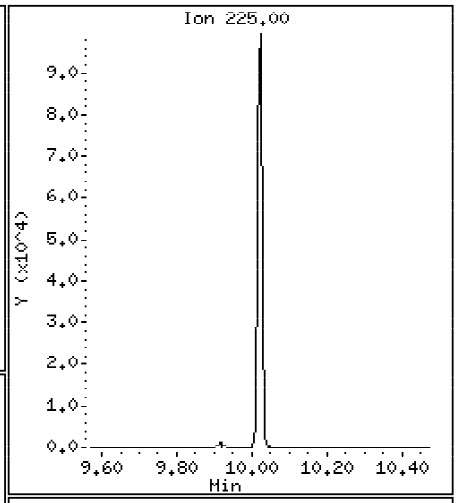
Sample Info: 8260-ICV,65556:0

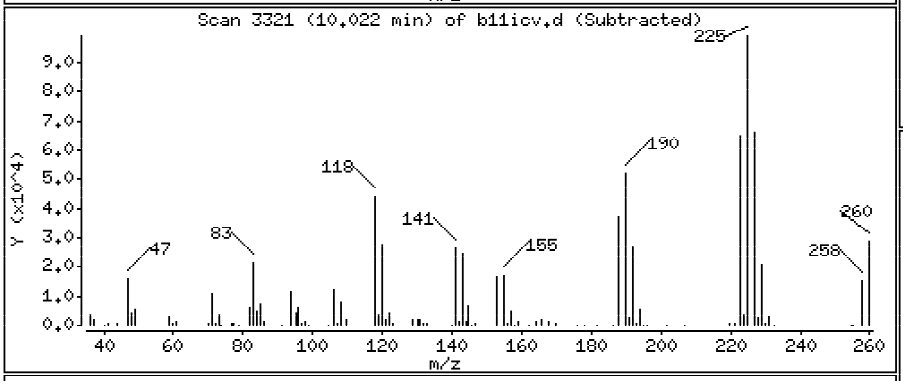
Purge Volume: 5.0 Operator: dae

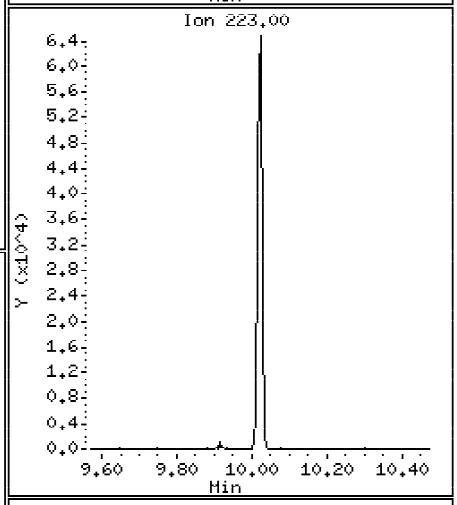
Column phase: DB-624 Column diameter: 0.18

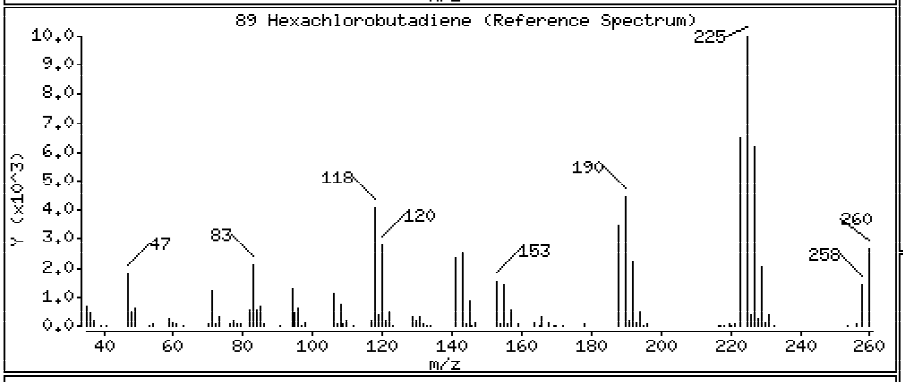
89 Hexachlorobutadiene Concentration: 50.2 ppb

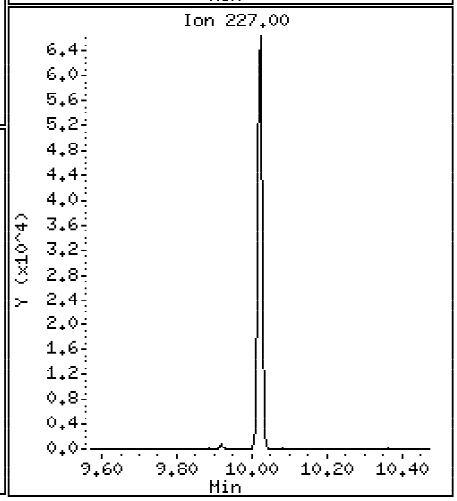


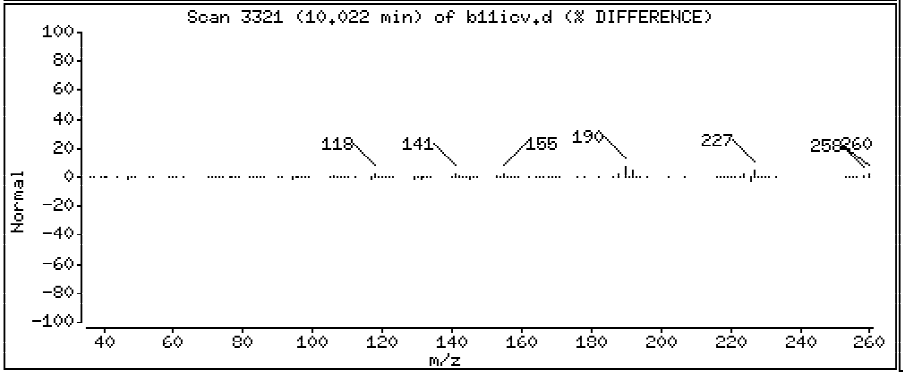












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 93

Date : 02-MAY-2014 16:27

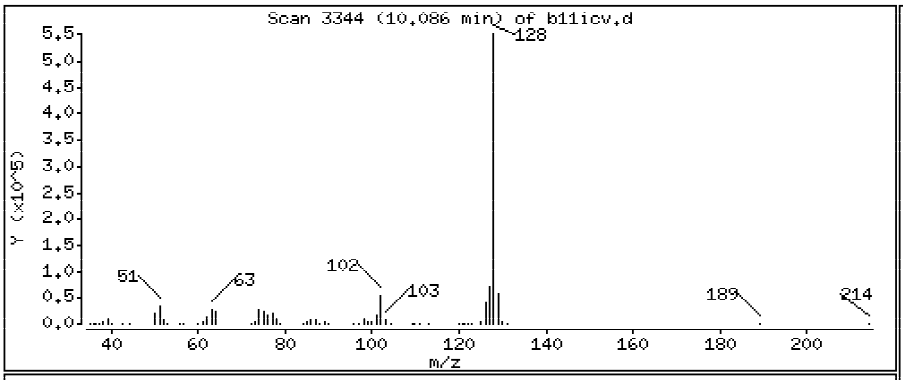
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

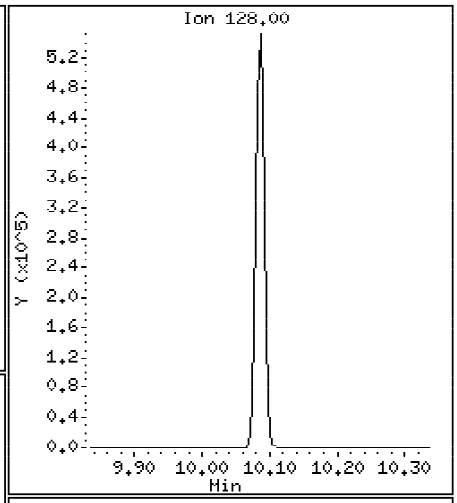
Sample Info: 8260-ICV,65556:0

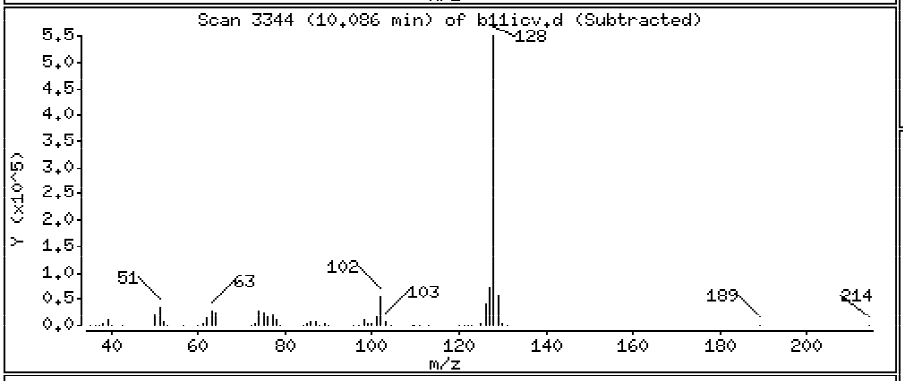
Purge Volume: 5.0 Operator: dae

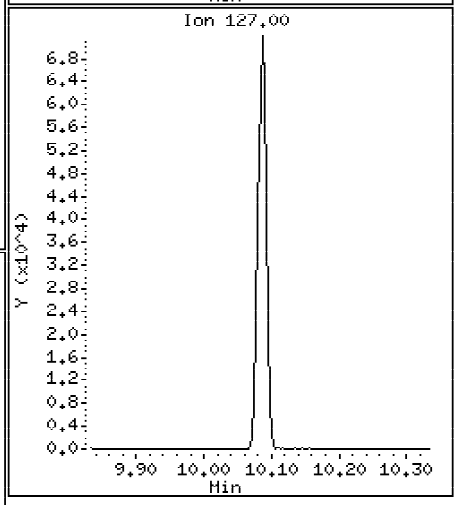
Column phase: DB-624 Column diameter: 0.18

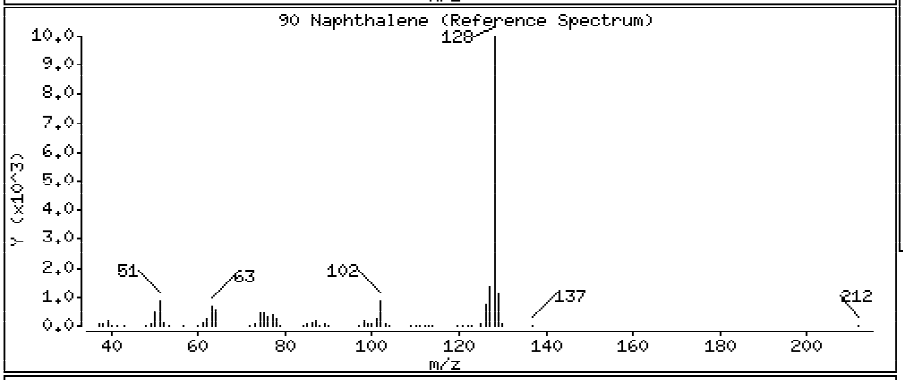
90 Naphthalene Concentration: 50.6 ppb

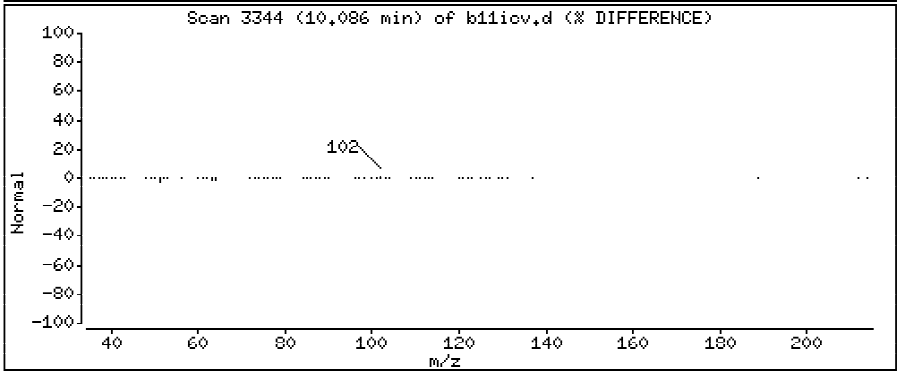












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 94

Date : 02-MAY-2014 16:27

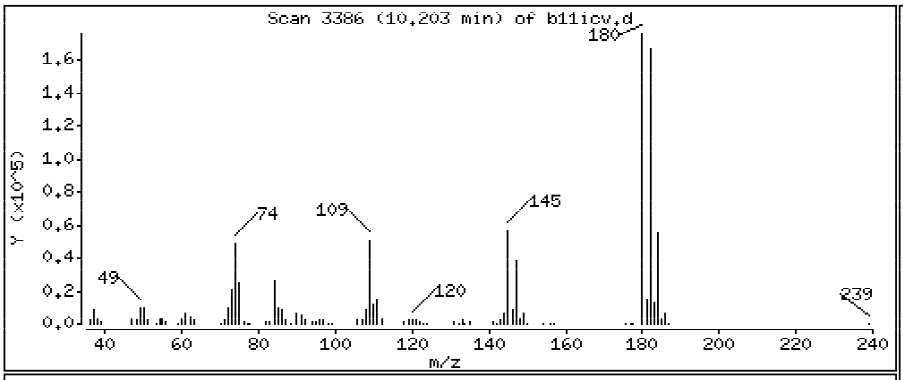
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

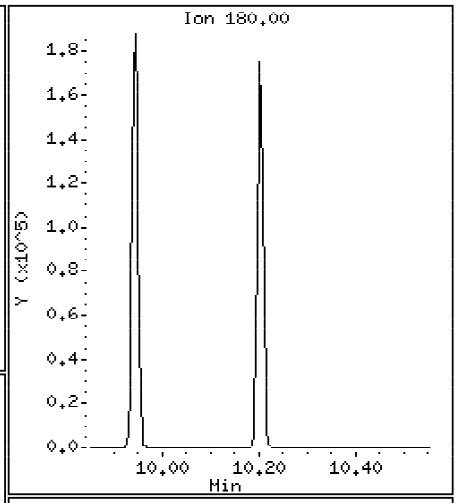
Sample Info: 8260-ICV,65556:0

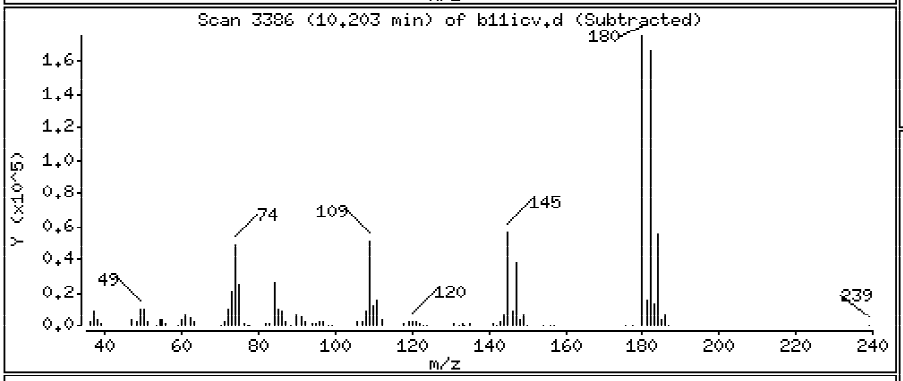
Purge Volume: 5.0 Operator: dae

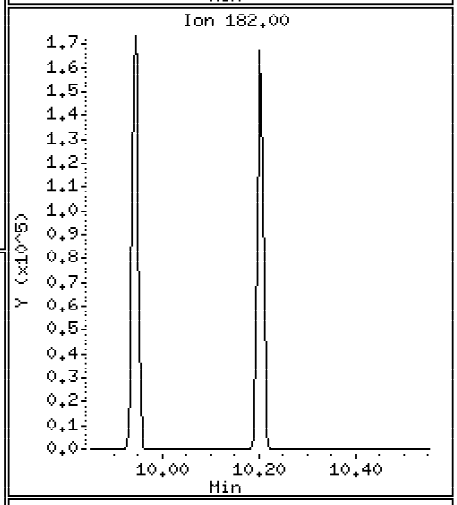
Column phase: DB-624 Column diameter: 0.18

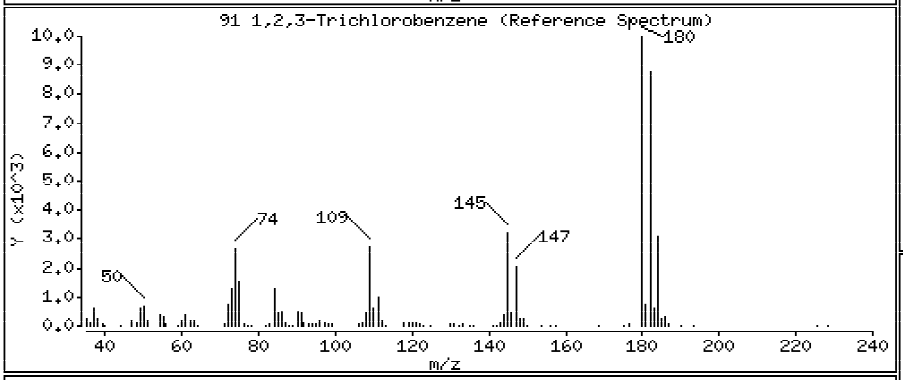
91 1,2,3-Trichlorobenzene Concentration: 50.8 ppb

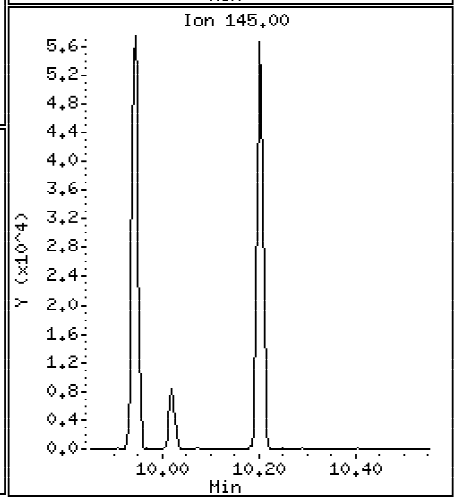


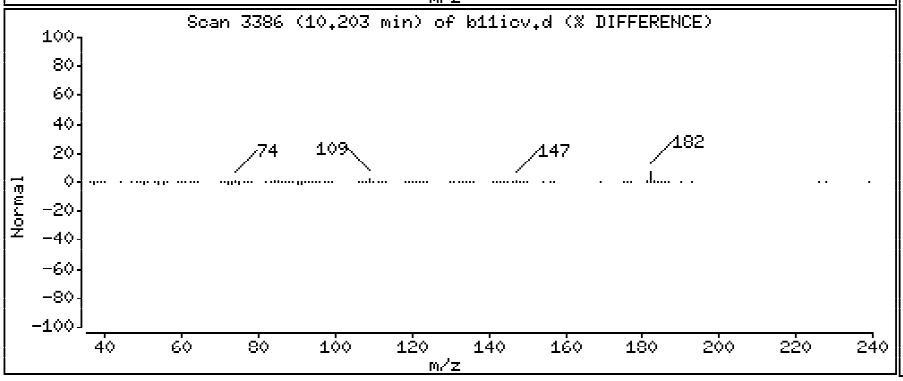












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 95

Date : 02-MAY-2014 16:27

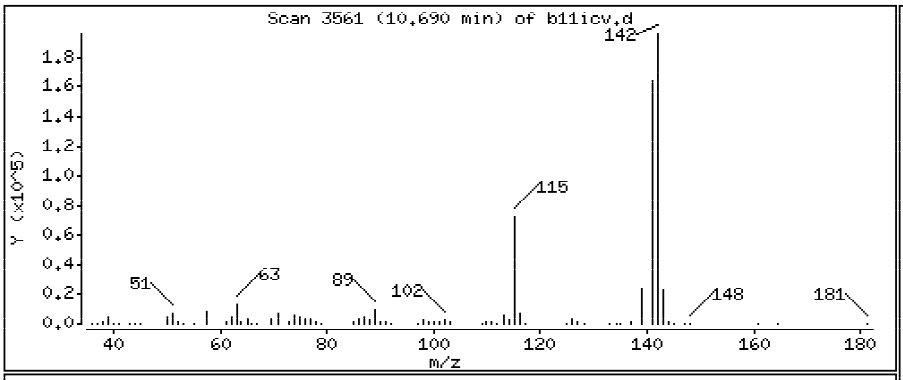
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

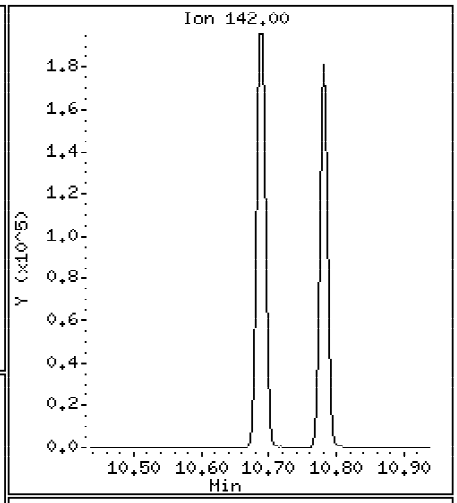
Sample Info: 8260-ICV,65556:0

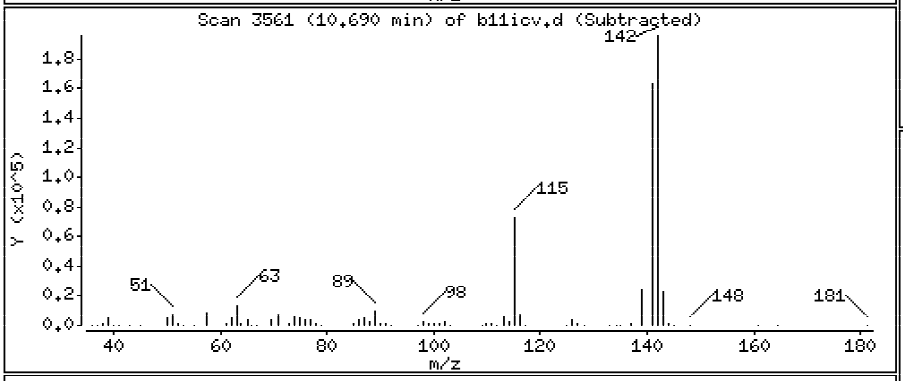
Purge Volume: 5.0 Operator: dae

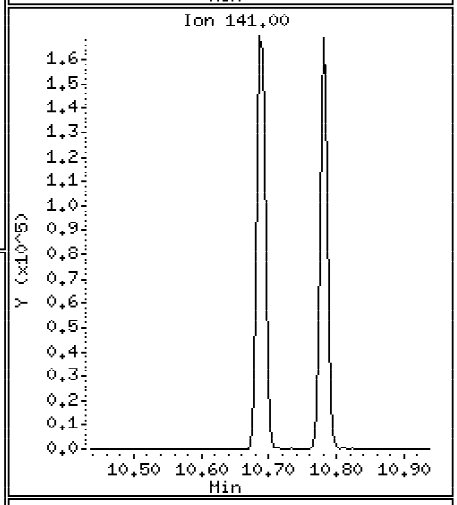
Column phase: DB-624 Column diameter: 0.18

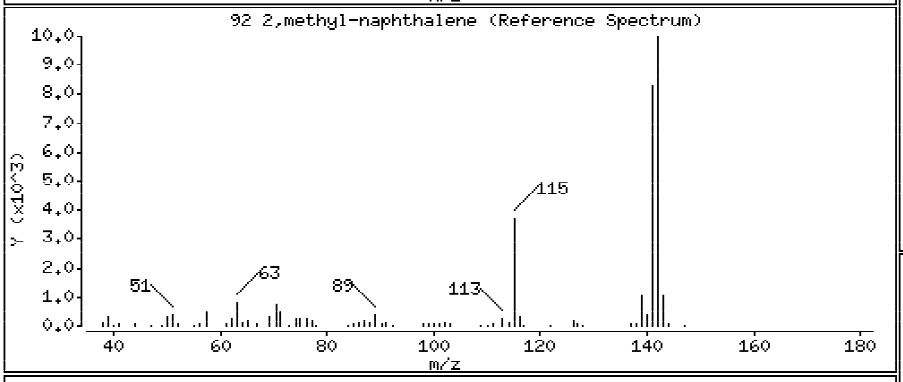
92 2,methyl-naphthalene Concentration: 45.8 ppb

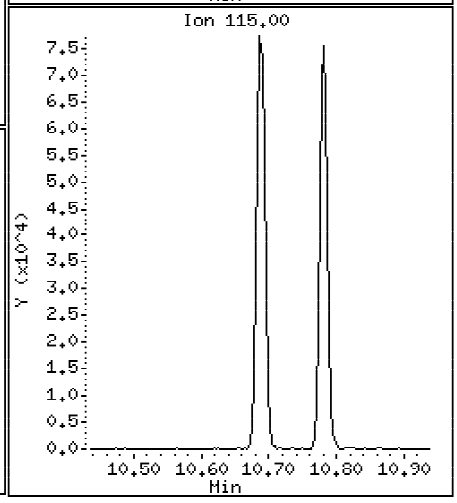


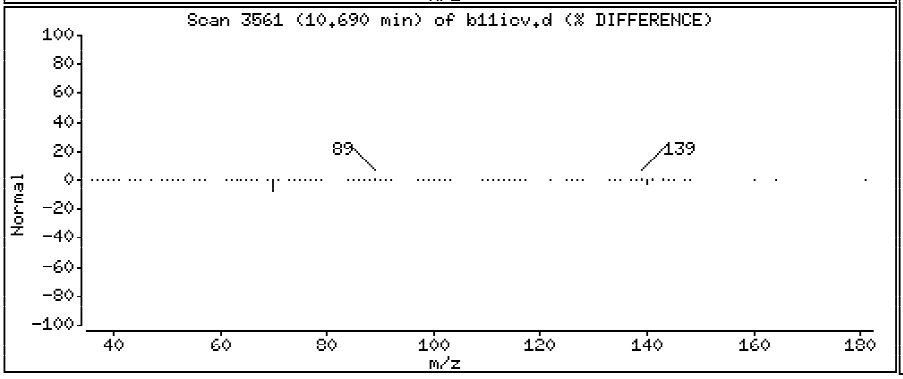












Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b11icv.d Page 96

Date : 02-MAY-2014 16:27

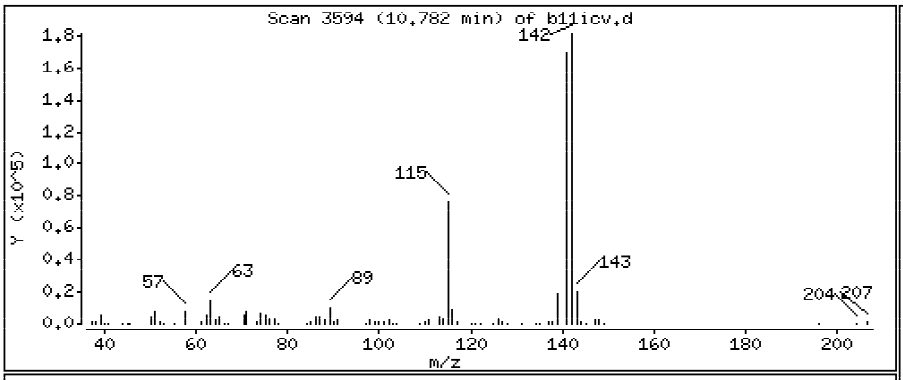
Client ID: 8260-ICV,65556:0 Instrument: 50mv2b.i

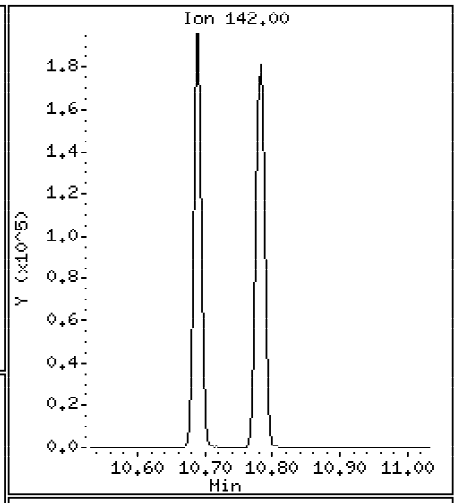
Sample Info: 8260-ICV,65556:0

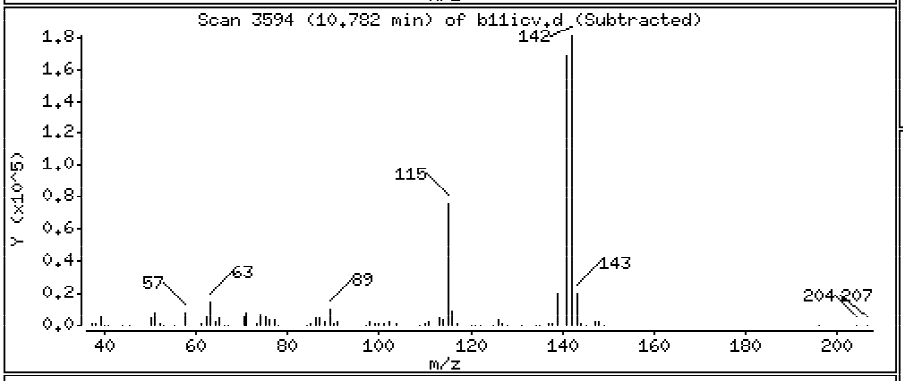
Purge Volume: 5.0 Operator: dae

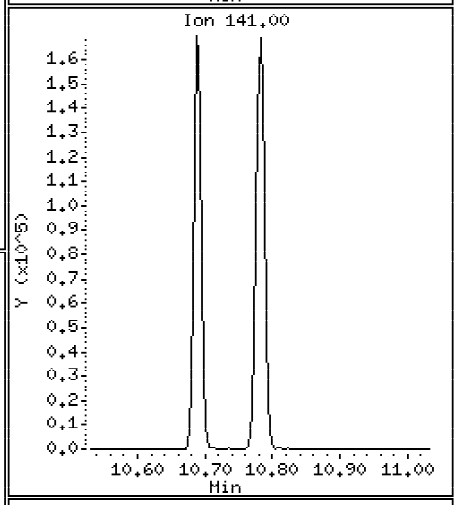
Column phase: DB-624 Column diameter: 0.18

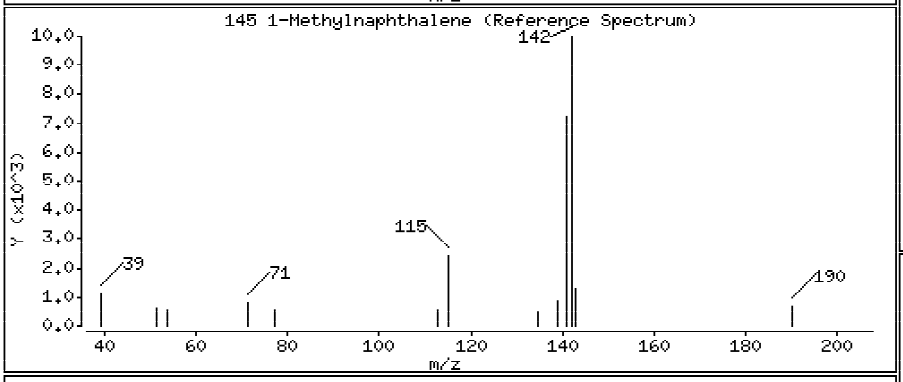
145 1-Methylnaphthalene Concentration: 47.6 ppb

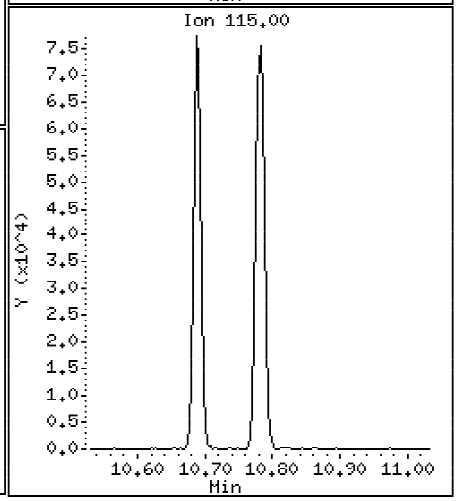


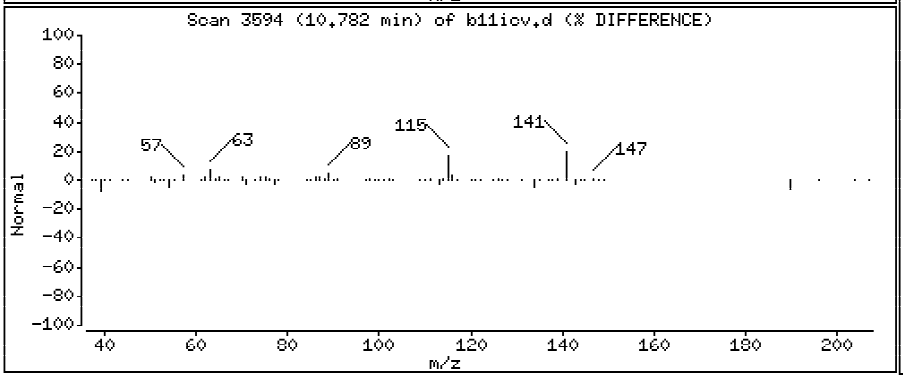








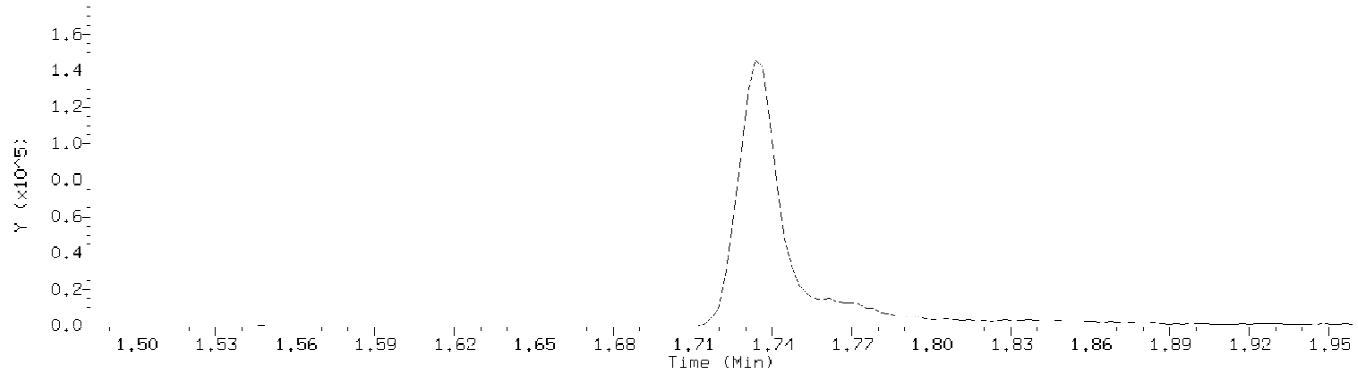




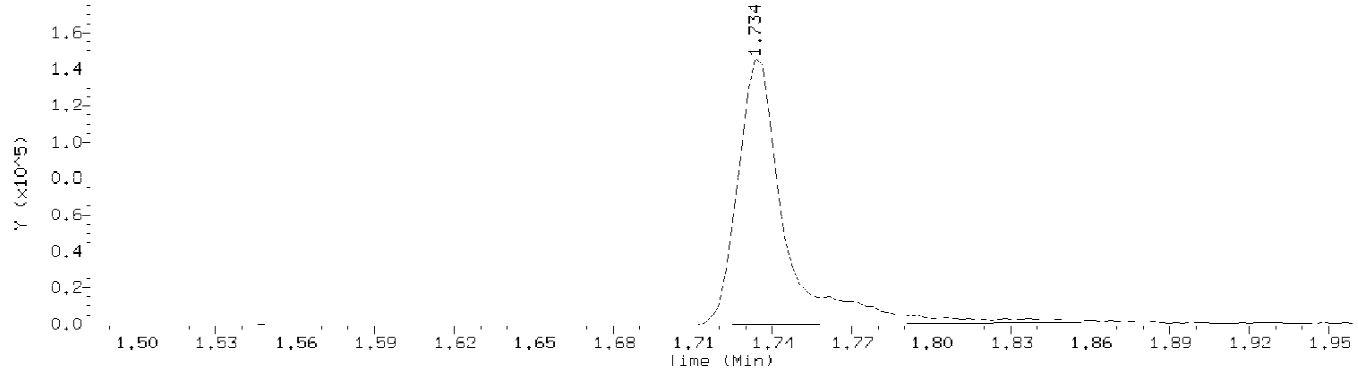
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b11icv.d
Injection Date: 02-MAY-2014 16:27
Instrument: 50mv2b.i
Lab Sample ID: 8260-ICV,65556:0

Compound: Iodomethane
CAS Number:

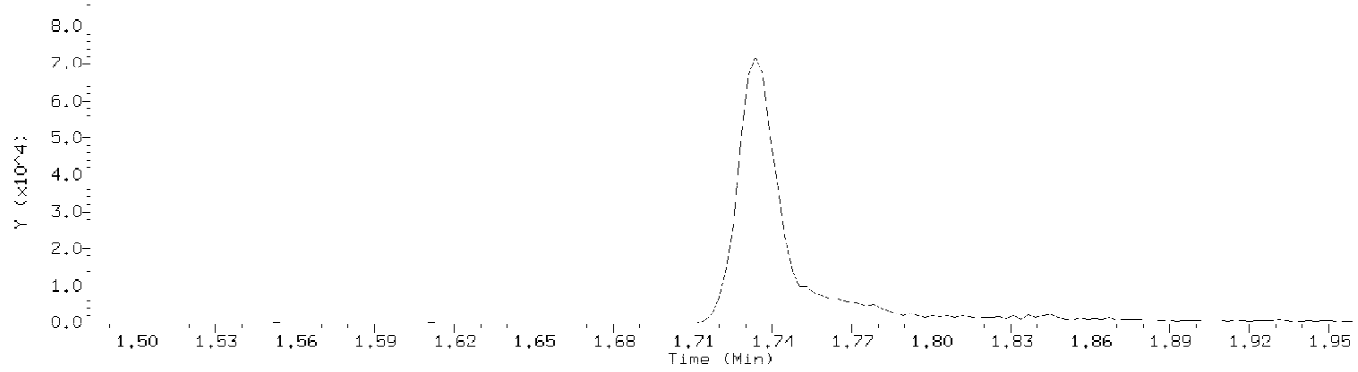
Original Ion: 142 Area: 0 Height: 0 (02-May-2014 17:40 dengelhardt)



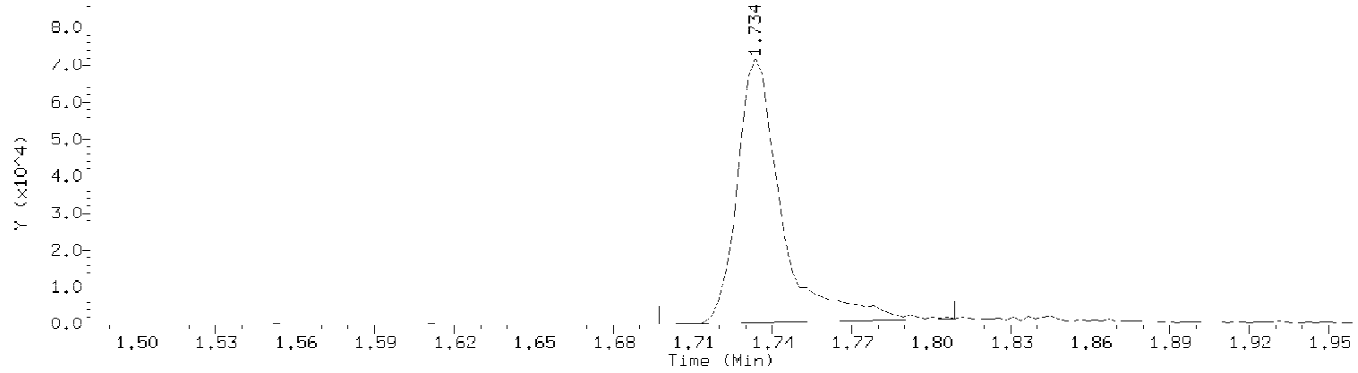
Manually Integrated Ion: 142 Area: 183183 Height: 145607 (02-May-2014 17:41 dengelhardt)



Original Ion: 127 Area: 0 Height: 0 (02-May-2014 17:40 dengelhardt)



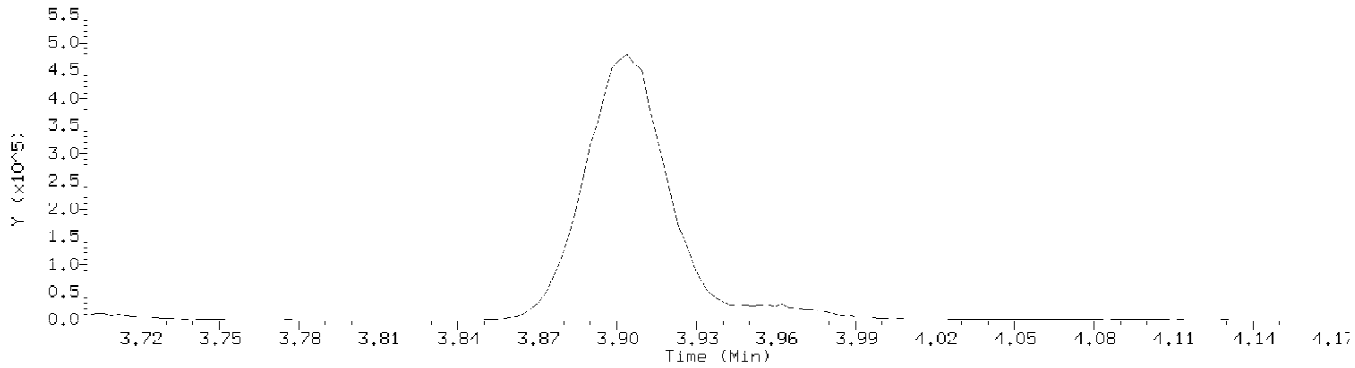
Manually Integrated Ion: 127 Area: 83098 Height: 71320 (02-May-2014 17:41 dengelhardt)



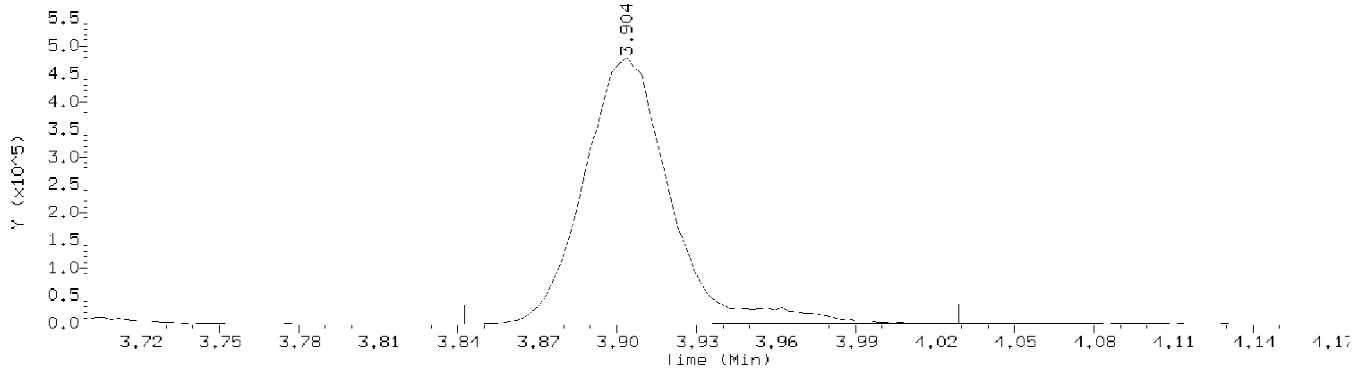
Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b11icv.d
Injection Date: 02-MAY-2014 16:27
Instrument: 50mv2b.i
Lab Sample ID: 8260-ICV,65556:0

Compound: Isobutyl alcohol
CAS Number: 78-83-1

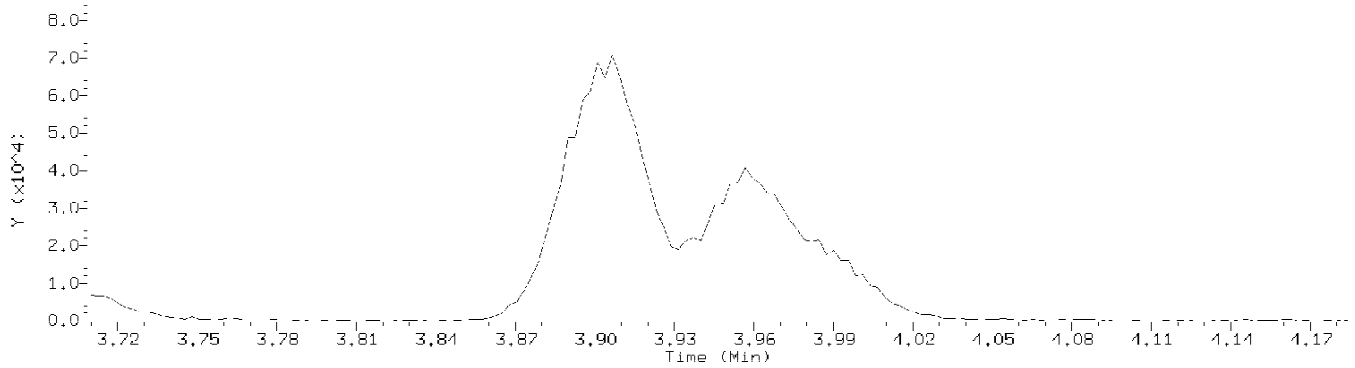
Original Ion: 43 Area: 0 Height: 0 (02-May-2014 17:40 dengelhardt)



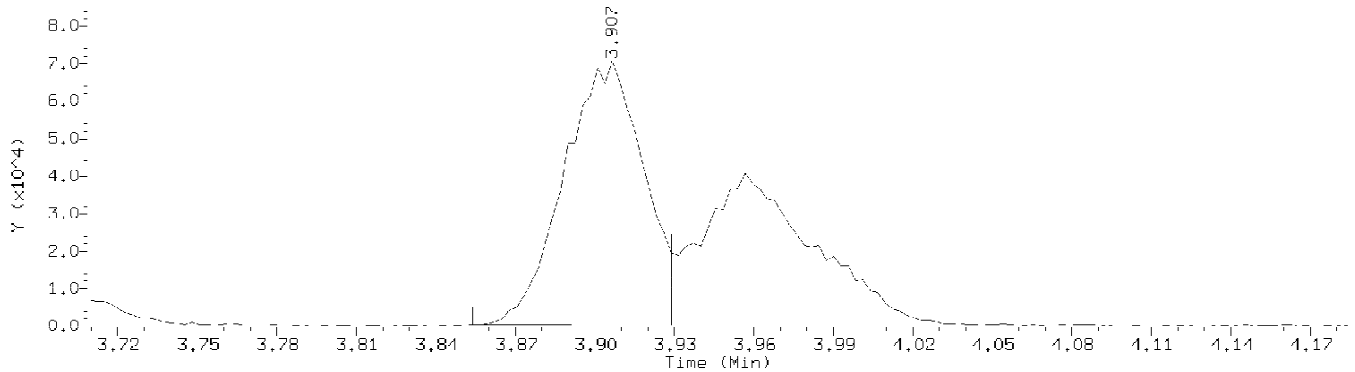
Manually Integrated Ion: 43 Area: 1081845 Height: 478572 (02-May-2014 17:41 dengelhardt)



Original Ion: 41 Area: 0 Height: 0 (02-May-2014 17:40 dengelhardt)

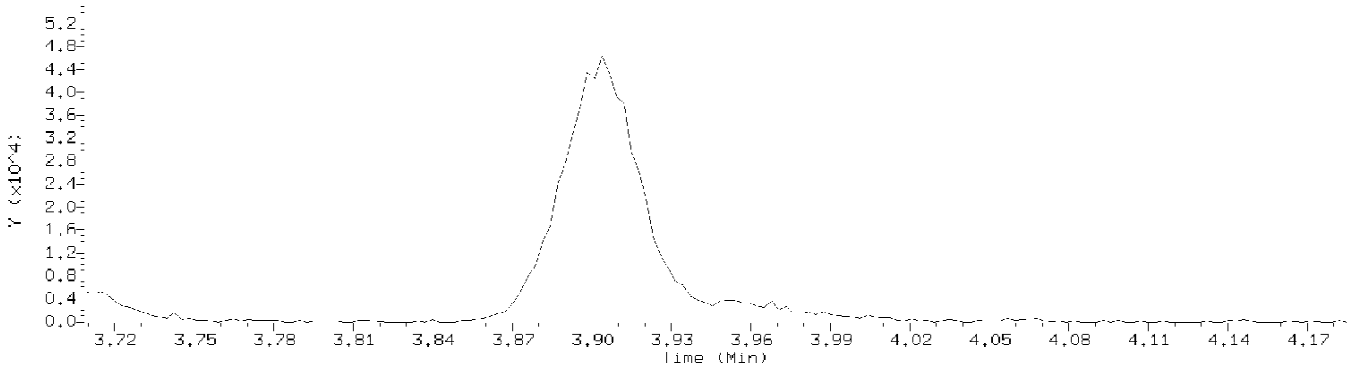


Manually Integrated Ion: 41 Area: 146729 Height: 70397 (02-May-2014 17:41 dengelhardt)

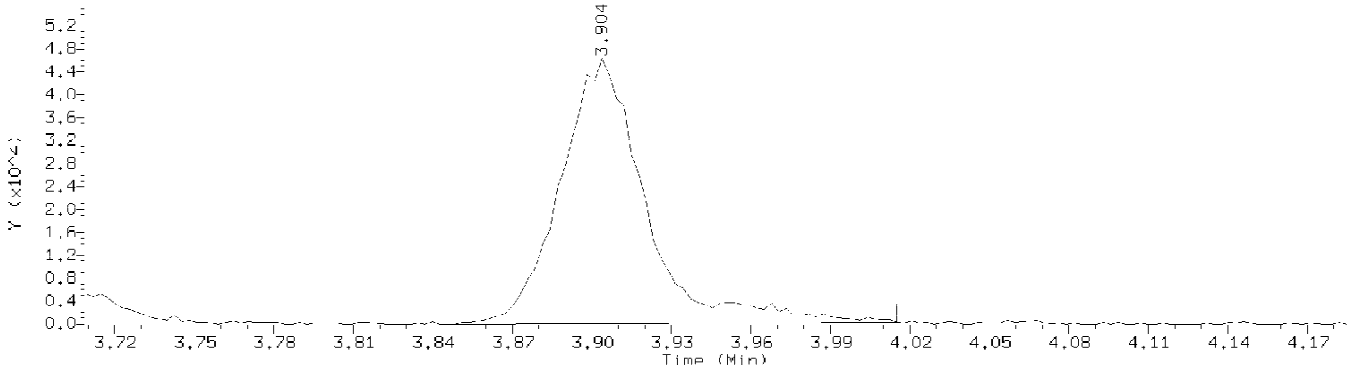


Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b/b11icv.d
Injection Date: 02-MAY-2014 16:27
Instrument: 50mv2b.i
Lab Sample ID: 8260-ICV,65556:0

Original Ion: 42 Area: 0 Height: 0 (02-May-2014 17:40 dengelhardt)



Manually Integrated Ion: 42 Area: 102627 Height: 46254 (02-May-2014 17:41 dengelhardt)



Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b01ccv.d Page 1
Report Date: 07-May-2014 12:20

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv2b.i\b050614.b\b01ccv.d
Lab Smp Id: 8260-CCV,65545:0 Client Smp ID: 8260-CCV,65545:0
Inj Date : 06-MAY-2014 11:48
Operator : dac Inst ID: 50mv2b.i
Smp Info : 8260-ccv,65545:0
Misc Info : 64180
Comment :
Method : \\192.168.50.6\chem\50mv2b.i\b050614.b\-b8260_a_b.m
Meth Date : 07 May 2014 10:18 50mv2b.i Quant Type: ISTD
Cal Date : 02 MAY 2014 15:20 Cal File: b09cal8.d
Als bottle: 52 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	REVIEW C
1	Dichlorodifluoromethane	85	0.971	0.971	(0.232)	172109	50.0000	54.6	
2	Chloromethane	50	1.077	1.077	(0.258)	101906	50.0000	40.0	
3	Vinyl Chloride	62	1.099	1.099	(0.263)	114483	50.0000	44.7	
4	Bromomethane	94	1.241	1.241	(0.297)	46040	50.0000	56.4	
5	Chloroethane	64	1.285	1.285	(0.307)	64279	50.0000	54.6	
6	Trichlorofluoromethane	101	1.397	1.397	(0.334)	197576	50.0000	45.6	
7	Diethyl ether	74	1.519	1.519	(0.363)	56042	50.0000	47.8	
8	Acrolein	56	1.591	1.591	(0.381)	235720	1000.00	789	
9	1,1-Dichloroethene	96	1.647	1.647	(0.394)	91589	50.0000	46.3	
10	1,1,2Trichlorotrifluoroethane	101	1.641	1.641	(0.393)	111649	50.0000	48.2	
11	Acetone	43	1.658	1.658	(0.397)	136210	250.000	227	
12	Iodomethane	142	1.733	1.733	(0.415)	174870	100.000	88.6(M)	NI
141	Acetonitrile	39	1.839	1.839	(0.440)	221220	50.0000	47.7	
13	Carbon Disulfide	76	1.778	1.778	(0.425)	497262	100.000	93.6	
14	allyl chloride	41	1.839	1.839	(0.440)	265901	100.000	98.1	
15	Methylene Chloride	84	1.911	1.911	(0.457)	95005	50.0000	49.8	
16	Acrylonitrile	53	2.048	2.048	(0.490)	660596	1000.00	829	
17	tert-Butyl Alcohol	59	1.956	1.956	(0.468)	21382	100.000	89.7	
18	1,2-Dichloroethene (trans)	96	2.084	2.084	(0.498)	99834	50.0000	46.3	
19	Methyl-tert-butyl ether	73	2.073	2.073	(0.496)	576915	100.000	94.2	
20	n-Hexane	57	2.262	2.262	(0.541)	145725	50.0000	44.7	
138	Methyl Acetate	43	1.825	1.825	(0.437)	69982	50.0000	39.0	
21	1,1-Dichloroethane	63	2.384	2.384	(0.570)	189305	50.0000	40.6	

Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b01ccv.d Page 2
Report Date: 07-May-2014 12:20

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL AMT (ppb)	ON COL (ppb)	REVIEW C
	23 Vinyl Acetate	43	2.373	2.373	(0.560)	667493	200.000	159	
	143 Chloroprene	53	2.437	2.437	(0.583)	213429	50.0000	49.3	
	24 2,2-Dichloropropane	77	2.860	2.860	(0.684)	154508	50.0000	53.5	
	25 1,2-Dichloroethene (cis)	96	2.852	2.852	(0.682)	132423	50.0000	45.6	
	26 2-Butanone	43	2.841	2.841	(0.679)	243652	250.000	214	
	27 Propionitrile	54	2.896	2.896	(0.693)	18258	50.0000	42.6(Q)	
	142 Methacrylonitrile	41	3.041	3.041	(0.727)	66741	200.000	172	
	28 1,2-dichlorotrifluoroethane	67	1.538	1.538	(0.368)	124368	50.0000	45.4	
	29 Bromochloromethane	49	3.077	3.077	(0.736)	94595	50.0000	43.7	
	30 Tetrahydrofuran	42	3.099	3.099	(0.741)	30170	50.0000	43.5	
	31 Chloroform	83	3.188	3.188	(0.762)	229499	50.0000	45.1	
$	32 Dibromofluoromethane (S)	113	3.361	3.361	(0.804)	105444	50.0000	48.0	
	33 1,1,1-Trichloroethane	97	3.361	3.361	(0.804)	212666	50.0000	49.7	
	34 cyclohexane	56	3.436	3.436	(0.822)	200656	50.0000	46.3	
	35 Carbon Tetrachloride	117	3.536	3.536	(0.846)	175394	50.0000	52.9	
	36 1,1-Dichloropropene	75	3.542	3.542	(0.847)	179250	50.0000	49.6	
	37 Isobutyl alcohol	43	3.956	3.956	(0.946)	60891	50.0000	55.4	
	38 Benzene	78	3.784	3.784	(0.905)	427372	50.0000	44.8	
	39 1,2-Dichloroethane	62	3.876	3.876	(0.927)	194838	50.0000	45.6	
	144 2,2,4-Trimethylpentane	57	3.956	3.956	(0.946)	344652	50.0000	47.6	
*	40 Fluorobenzene	96	4.182	4.182	(1.000)	383597	50.0000		
	41 Trichloroethene	95	4.616	4.616	(1.104)	130342	50.0000	47.3	
	139 Methylcyclohexane	55	4.874	4.874	(1.166)	150045	50.0000	50.0	
	42 1,2-Dichloropropane	63	4.916	4.916	(1.176)	109593	50.0000	47.3	
	43 Dibromomethane	93	5.005	5.005	(1.197)	71837	50.0000	44.6	
	140 1,4-Dioxane	88	5.102	5.102	(1.220)	2342	50.0000	4.35(Q)	
	44 Methyl methacrylate	69	5.025	5.025	(1.202)	69587	50.0000	45.2	
	45 Bromodichloromethane	83	5.222	5.222	(1.249)	148827	50.0000	49.2	
	46 2-Chloroethyl vinyl ether	63	5.556	5.556	(0.766)	106960	200.000	250	
	47 cis 1,3 Dichloropropene	75	5.690	5.690	(0.785)	161915	50.0000	46.0	
	48 4 Methyl 2 Pentanone	43	5.856	5.856	(0.808)	445461	250.000	240	
$	49 Toluene d8	98	5.946	5.946	(0.820)	352590	50.0000	50.7	
	50 Toluene	91	6.015	6.015	(0.830)	474639	50.0000	48.6	
	51 trans-1,3-Dichloropropene	75	6.285	6.285	(0.867)	131269	50.0000	43.2	
	52 Ethyl Methacrylate	69	6.368	6.368	(0.878)	129020	50.0000	50.8	
	53 1,1,2-Trichloroethane	83	6.466	6.466	(0.892)	74001	50.0000	48.0	
	54 Tetrachloroethene	166	6.510	6.510	(0.898)	136548	50.0000	51.2	
	55 1,3-Dichloropropane	76	6.608	6.608	(0.911)	167085	50.0000	49.7	
	56 2-Hexanone	43	6.677	6.677	(0.921)	323528	250.000	247	
	57 Dibromochloromethane	129	6.789	6.789	(0.936)	99451	50.0000	44.7	
	58 1,2-Dibromoethane	107	6.875	6.875	(0.948)	97129	50.0000	49.3	
*	59 Chlorobenzene-d5	117	7.250	7.250	(1.000)	278414	50.0000		
	60 Chlorobenzene	112	7.273	7.273	(1.003)	320160	50.0000	49.3	
	61 1,1,1,2-Tetrachloroethane	131	7.353	7.353	(1.014)	112676	50.0000	57.1	
	62 Ethylbenzene	106	7.362	7.362	(1.015)	182509	50.0000	50.5	
	63 m&p-Xylene	106	7.462	7.462	(1.029)	439668	100.000	98.9	
	65 o-Xylene	106	7.732	7.732	(1.066)	210475	50.0000	51.0	
	66 Styrene	104	7.751	7.751	(1.069)	353495	50.0000	52.3	
	67 Bromoform	173	7.871	7.871	(0.892)	55769	50.0000	40.9	
	68 Isopropylbenzene	105	7.990	7.990	(1.102)	568619	50.0000	53.0	
	69 trans-1,4-Dichloro-2-butene	53	8.227	8.227	(1.135)	29690	50.0000	40.5(Q)	
$	70 4-Bromofluorobenzene	95	8.102	8.102	(1.117)	149068	50.0000	49.6	
	71 Bromobenzene	77	8.182	8.182	(1.129)	208042	50.0000	49.7	
	72 1,1,2,2-Tetrachloroethane	83	8.205	8.205	(0.930)	113170	50.0000	48.3	

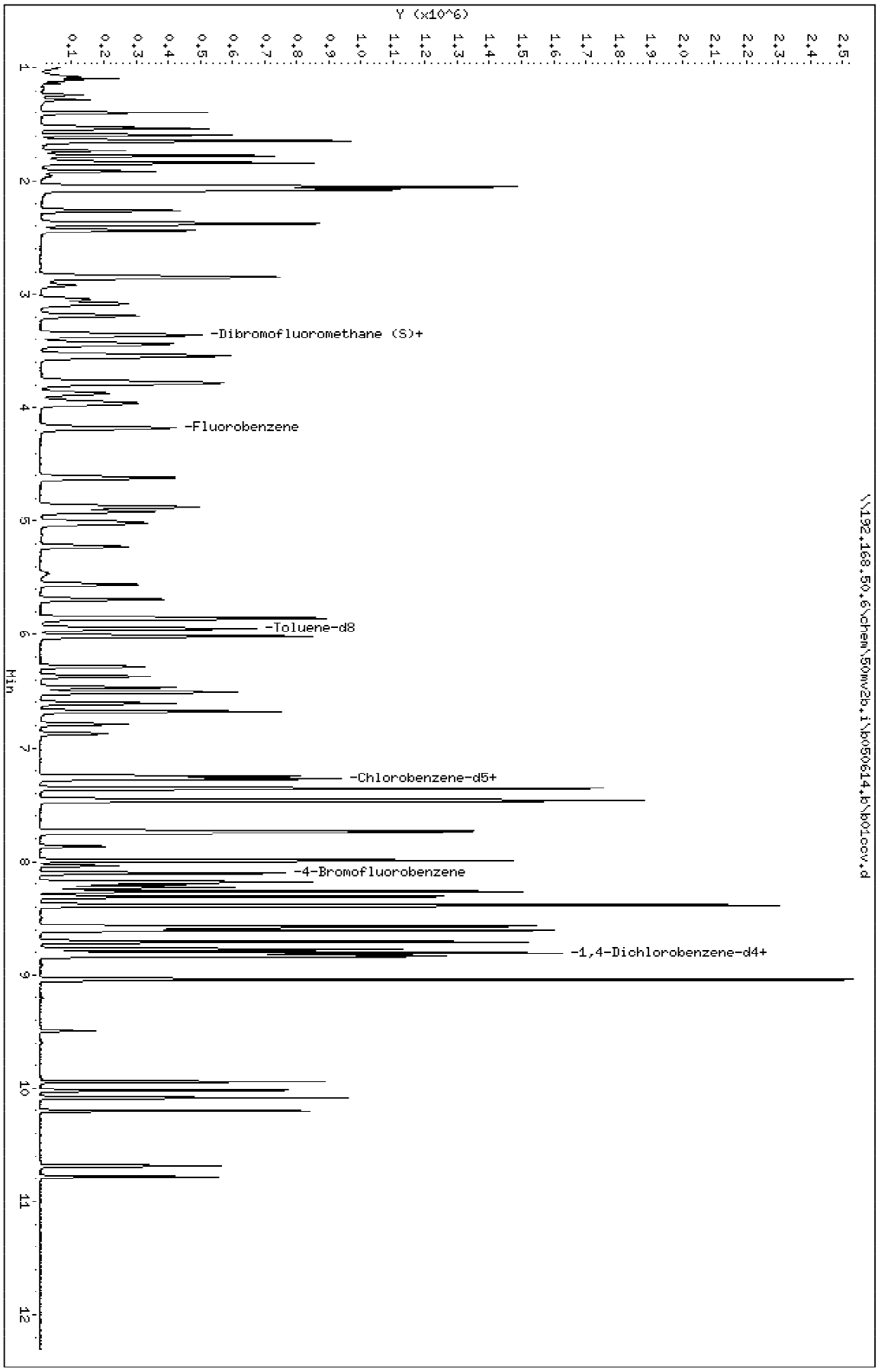
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL AMT (ppb)	AMOUNTS ON COL (ppb)	REVIEW C
73	1,2,3-Trichloropropane	110	8.233	8.233	(0.933)	45239	50.0000	46.8	
74	n-Propylbenzene	91	8.263	8.263	(0.936)	653329	50.0000	52.1	
75	2-Chlorotoluene	91	8.310	8.310	(0.942)	395681	50.0000	48.6	
76	4-Chlorotoluene	126	8.391	8.391	(0.951)	135780	50.0000	49.1	
77	1,3,5-Trimethylbenzene	105	8.383	8.383	(0.950)	501344	50.0000	53.0	
78	tert-Butylbenzene	119	8.575	8.575	(0.972)	531851	50.0000	54.7	
79	1,2,4-Trimethylbenzene	105	8.611	8.611	(0.976)	505684	50.0000	52.6	
80	sec-Butylbenzene	105	8.711	8.711	(0.987)	591318	50.0000	53.6	
81	1,3-Dichlorobenzene	146	8.775	8.775	(0.994)	247926	50.0000	49.6	
* 82	1,4-Dichlorobenzene-d4	152	8.825	8.825	(1.000)	150568	50.0000		
83	p-Isopropyltoluene	119	8.806	8.806	(0.998)	538177	50.0000	54.7	
84	1,4-Dichlorobenzene	146	8.839	8.839	(1.002)	254791	50.0000	49.4	
85	1,2-Dichlorobenzene	146	9.042	9.042	(1.025)	227360	50.0000	50.6	
86	n-Butylbenzene	91	9.042	9.042	(1.025)	443626	50.0000	55.8	
87	1,2-Dibromo-3-chloropropane	155	9.493	9.493	(1.076)	18771	50.0000	42.1	
88	1,2,4-Trichlorobenzene	180	9.944	9.944	(1.127)	145371	50.0000	59.7	
89	Hexachlorobutadiene	225	10.022	10.022	(1.136)	88090	50.0000	53.4	
90	Naphthalene	128	10.085	10.085	(1.143)	388818	50.0000	46.1	
91	1,2,3-Trichlorobenzene	180	10.202	10.202	(1.156)	135937	50.0000	49.2	
92	2,methyl-naphthalene	142	10.686	10.686	(1.211)	141375	50.0000	42.1	
145	1-Methylnaphthalene	142	10.781	10.781	(1.222)	132215	50.0000	43.3	

QC Flag Legend

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

Review Codes Legend

:
NI: Indicates that the peak was not integrated at all by the computer software.



Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b01ccv.d
Date : 06-MAY-2014 11:48
Client ID: 8260-CCV,65545:0
Sample Info: 8260-CCV,65545:0
Purge Volume: 5.0
Column phase: DB-624

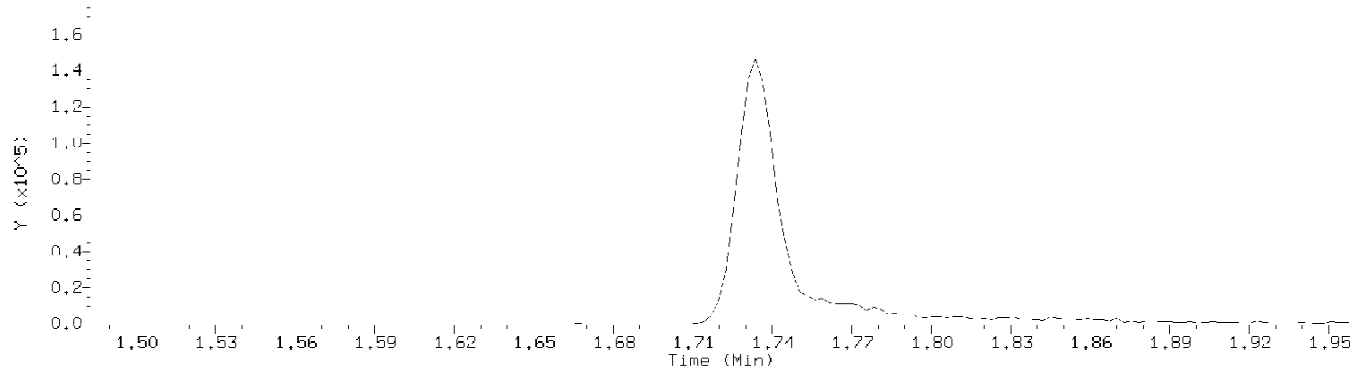
Instrument: 50mv2b.i
Operator: dae
Column diameter: 0.18

Page 4

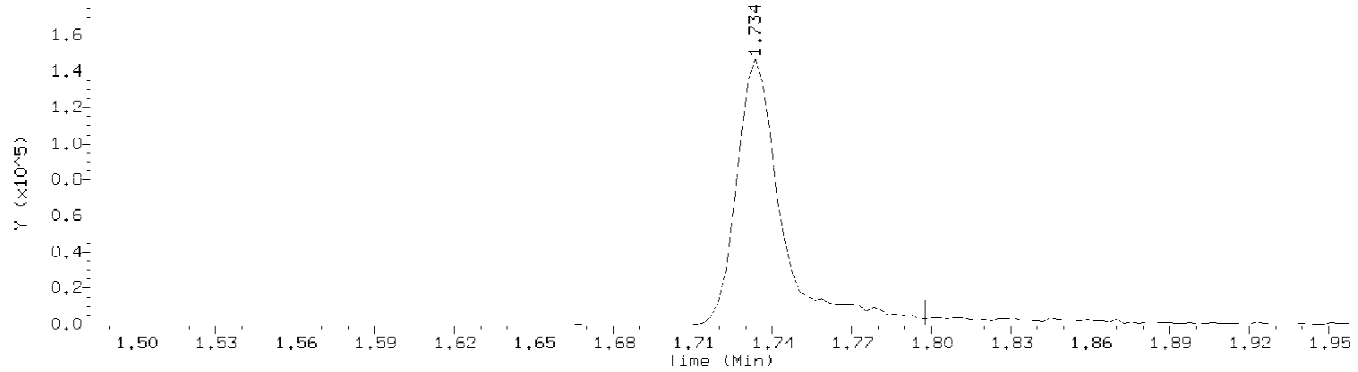
Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b/b01ccv.d
Injection Date: 06-MAY-2014 11:48
Instrument: 50mv2b.i
Lab Sample ID: 8260-CCV,65545:0

Compound: Iodomethane
CAS Number:

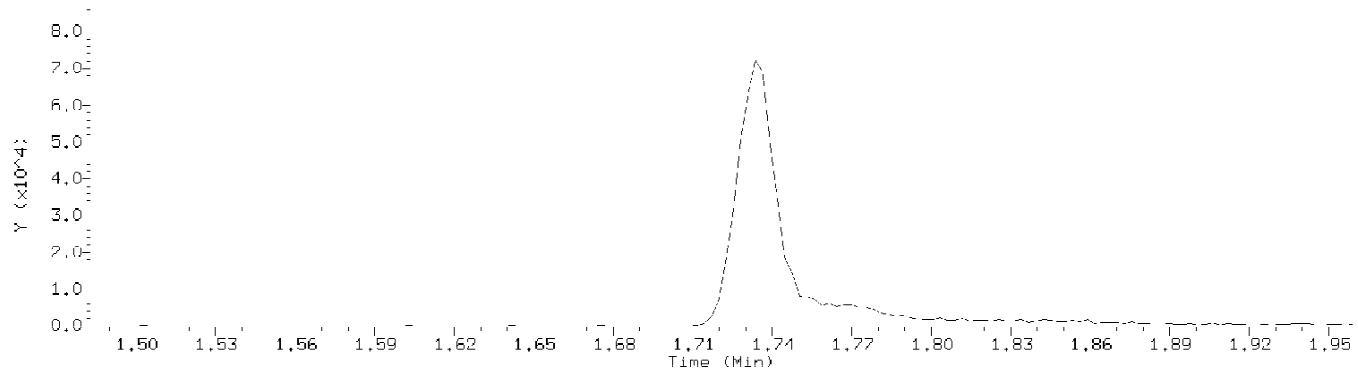
Original Ion: 142 Area: 0 Height: 0 (06-May-2014 13:07 DEngelhardt)



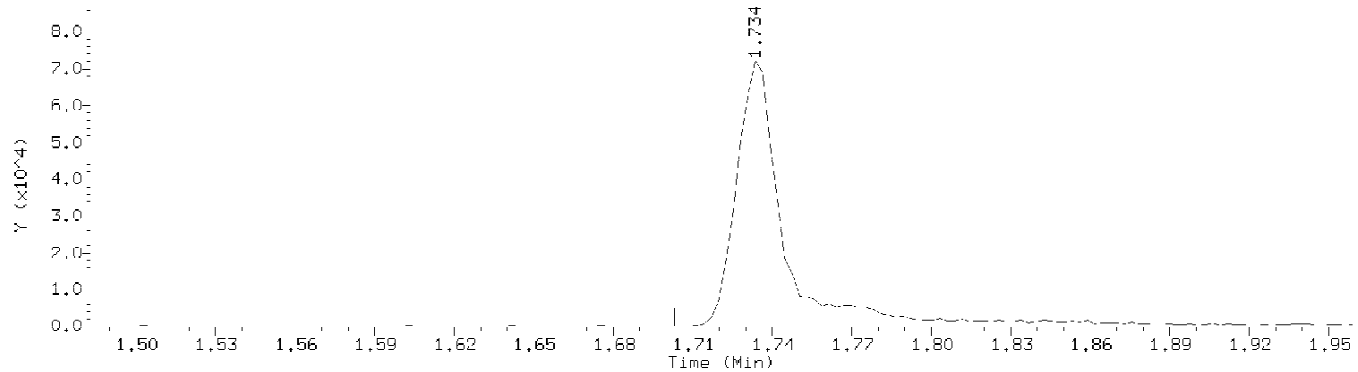
Manually Integrated Ion: 142 Area: 174870 Height: 146964 (07-May-2014 10:17 DEngelhardt)



Original Ion: 127 Area: 0 Height: 0 (06-May-2014 13:07 DEngelhardt)



Manually Integrated Ion: 127 Area: 86147 Height: 72242 (07-May-2014 10:17 DEngelhardt)



Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b00bfb.d Page 1

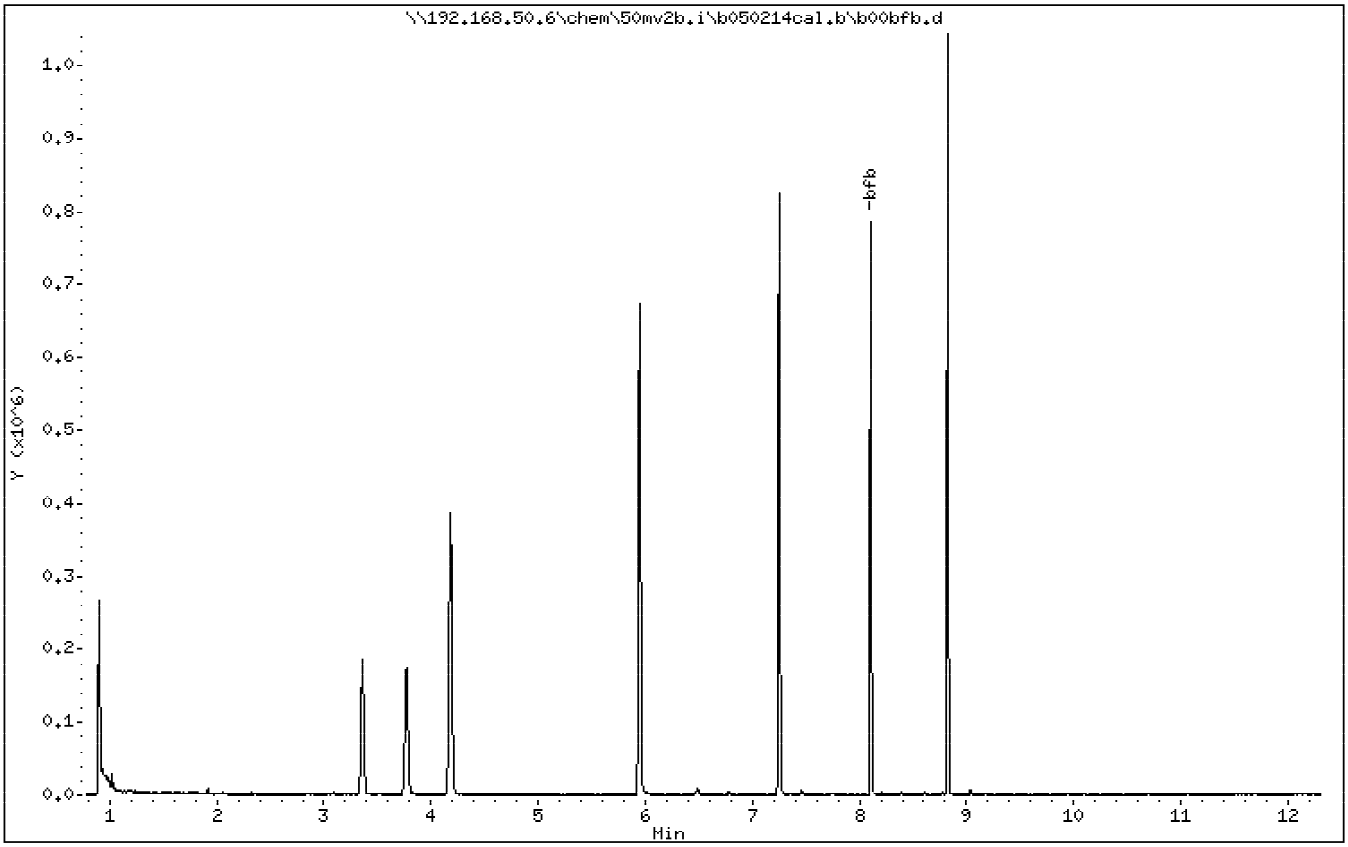
Date : 02-MAY-2014 10:18

Client ID: 8260-TUNE Instrument: 50mv2b.i

Sample Info: 8260-TUNE,64606:0

Volume Injected (uL): 5.0 Operator: dae

Column phase: DB-624 Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b00bfb.d Page 2

Date : 02-MAY-2014 10:18

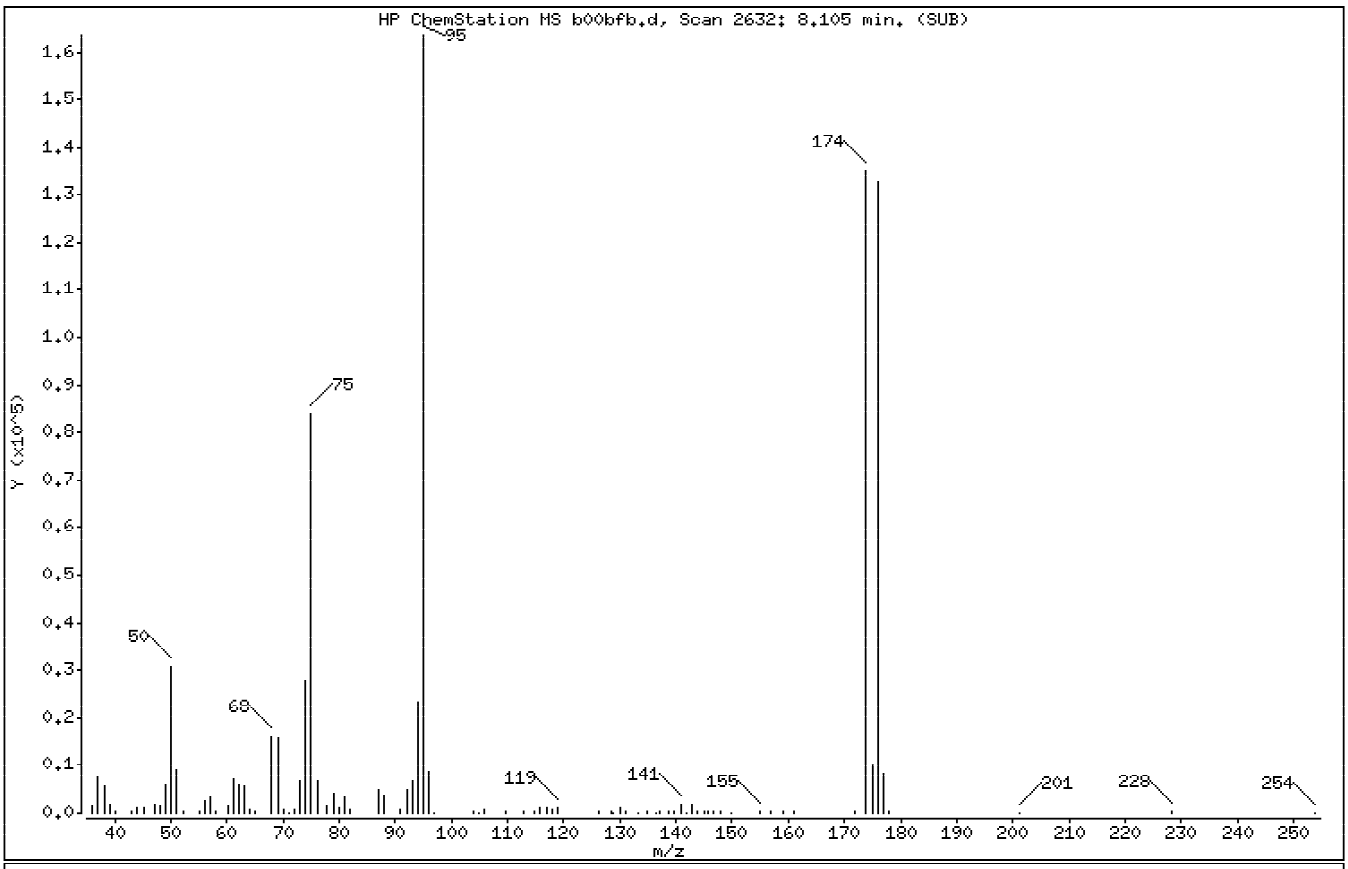
Client ID: 8260-TUNE Instrument: 50mv2b.i

Sample Info: 8260-TUNE,64606:0

Volume Injected (uL): 5.0 Operator: dae

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	18.84
75	30.00 - 60.00% of mass 95	51.15
96	5.00 - 9.00% of mass 95	5.31
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	82.43
175	5.00 - 9.00% of mass 174	6.32 (7.67)
176	95.00 - 101.00% of mass 174	81.18 (98.48)
177	5.00 - 9.00% of mass 176	5.04 (6.21)

Data File: \\192.168.50.6\chem\50mv2b.i\b050214cal.b\b00bfb.d Page 3

Date : 02-MAY-2014 10:18

Client ID: 8260-TUNE Instrument: 50mv2b.i

Sample Info: 8260-TUNE,64606:0

Volume Injected (uL): 5.0 Operator: dae

Column phase: DB-624 Column diameter: 0.18

Data File: b00bfb.d
Spectrum: HP ChemStation MS b00bfb.d, Scan 2632: 8.105 min. (SUB)
Location of Maximum: 95.00
Number of points: 90

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1382	65.00	268	96.90	165	141.90	179
37.00	7406	68.00	16314	104.00	537	142.90	1701
38.10	5680	69.00	15915	104.80	168	143.80	381
39.00	1825	70.00	884	105.90	735	145.10	214
40.10	427	71.00	174	109.80	245	145.80	193
43.00	195	72.00	673	112.80	266	146.70	189
44.00	1226	73.00	6930	114.60	211	147.80	319
45.10	1111	74.00	27752	115.80	1026	149.80	179
47.10	1787	75.00	83680	116.90	968	154.80	467
48.00	1323	76.00	6759	117.90	789	156.90	329
49.00	5967	77.60	1598	119.00	1084	159.00	210
50.00	30824	79.00	4299	126.10	339	160.90	301
51.00	8842	80.00	1118	128.60	467	172.00	192
52.10	495	80.90	3341	128.90	188	173.90	134848
55.00	314	82.00	826	130.00	1000	175.00	10338
56.00	2682	87.00	4952	130.90	365	175.90	132800
57.10	3559	88.00	3821	133.40	153	176.90	8248
58.10	230	90.80	785	135.00	488	177.80	247
60.10	1409	92.00	4925	136.30	169	201.30	172
61.00	7038	93.00	6785	137.00	320	228.30	206
62.00	6177	94.00	23224	138.80	225	253.80	153
63.00	5574	95.00	163584	139.70	413		
64.00	583	96.00	8682	140.90	1859		

Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b00bfb.d Page 1

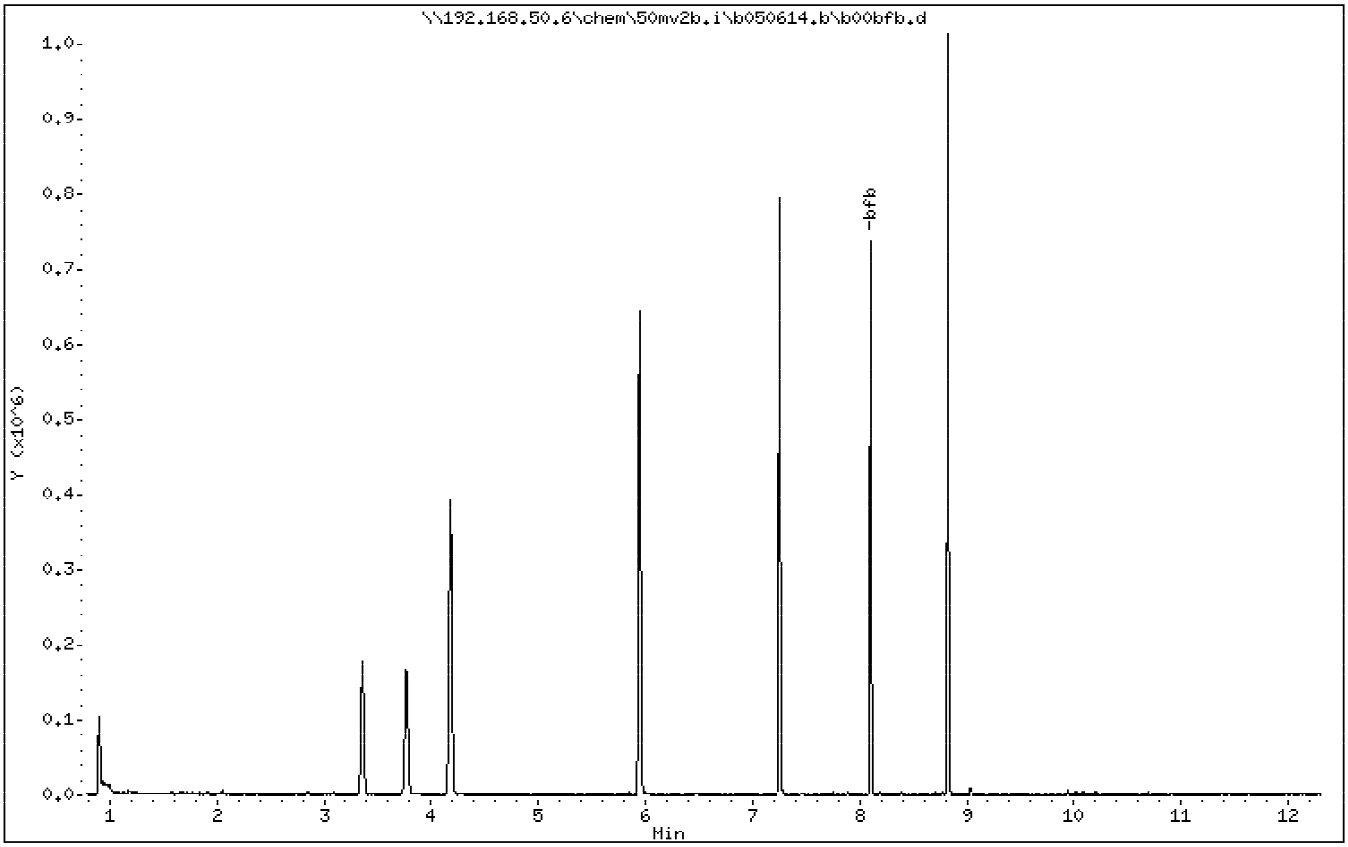
Date : 06-MAY-2014 11:14

Client ID: 8260-TUNE Instrument: 50mv2b.i

Sample Info: 8260-TUNE,64606:0

Volume Injected (uL): 5.0 Operator: dae

Column phase: DB-624 Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b00bfb.d Page 2

Date : 06-MAY-2014 11:14

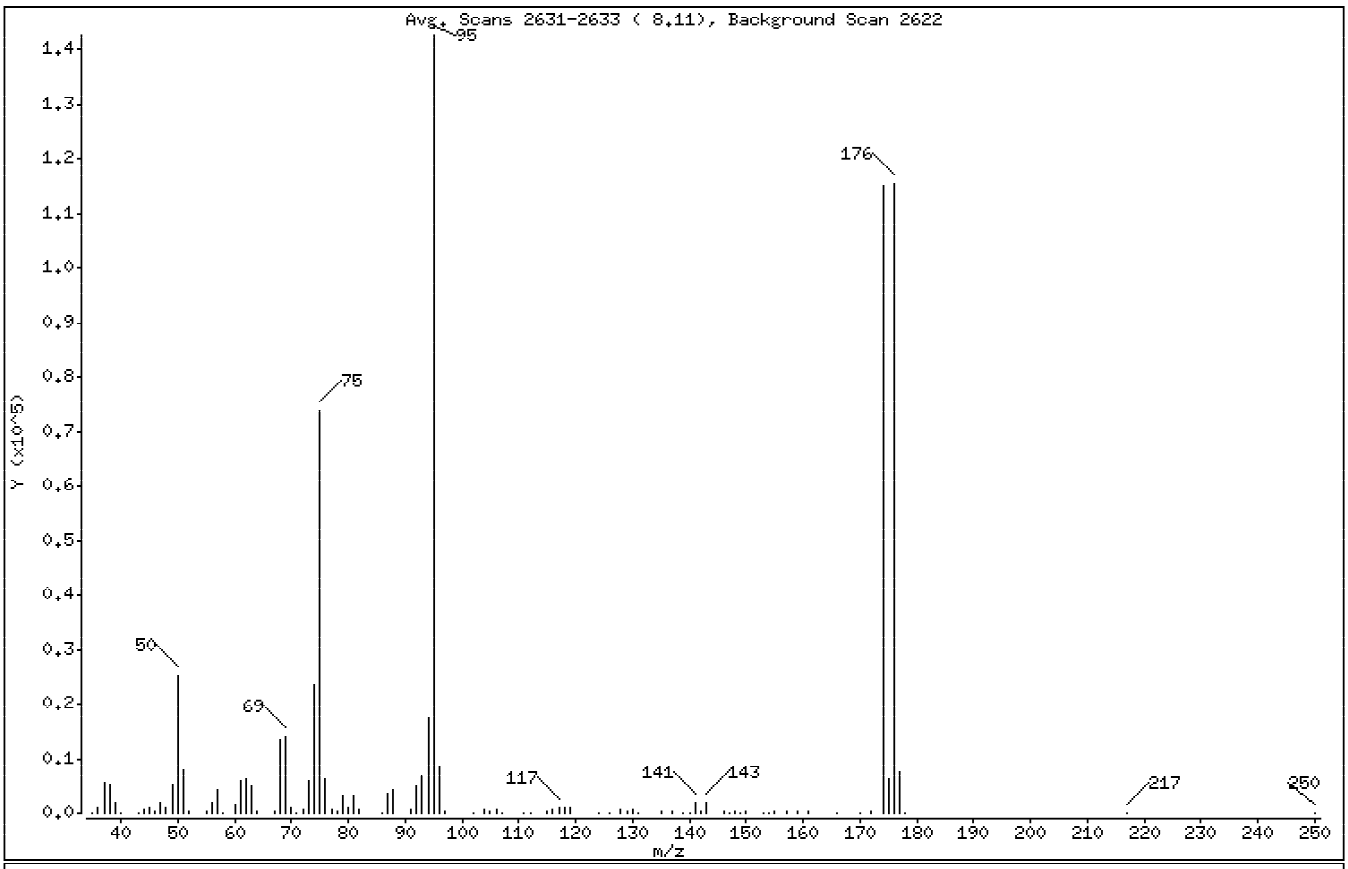
Client ID: 8260-TUNE Instrument: 50mv2b.i

Sample Info: 8260-TUNE,64606:0

Volume Injected (uL): 5.0 Operator: dae

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	17.68
75	30.00 - 60.00% of mass 95	51.73
96	5.00 - 9.00% of mass 95	6.00
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	80.78
175	5.00 - 9.00% of mass 174	4.37 (5.41)
176	95.00 - 101.00% of mass 174	80.97 (100.24)
177	5.00 - 9.00% of mass 176	5.35 (6.61)

Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b00bfb.d Page 3

Date : 06-MAY-2014 11:14

Client ID: 8260-TUNE Instrument: 50mv2b.i

Sample Info: 8260-TUNE,64606:0

Volume Injected (uL): 5.0 Operator: dae

Column phase: DB-624 Column diameter: 0.18

Data File: b00bfb.d
Spectrum: Avg. Scans 2631-2633 (8.11), Background Scan 2622
Location of Maximum: 95.00
Number of points: 97

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	50	67.00	407	97.00	206	143.00	2038
36.00	981	68.00	13306	102.00	51	146.00	279
37.00	5566	69.00	14113	104.00	524	147.00	67
38.00	5214	70.00	843	105.00	272	148.00	409
39.00	1821	71.00	51	106.00	495	149.00	142
40.00	152	72.00	735	107.00	60	150.00	250
43.00	149	73.00	5888	111.00	77	153.00	51
44.00	493	74.00	23472	112.00	128	154.00	140
45.00	1107	75.00	73864	115.00	246	155.00	476
46.00	210	76.00	6207	116.00	544	157.00	243
47.00	1895	77.00	576	117.00	1109	159.00	341
48.00	910	78.00	316	118.00	853	161.00	329
49.00	5346	79.00	3320	119.00	892	166.00	57
50.00	25248	80.00	851	124.00	120	170.00	114
51.00	7824	81.00	3359	126.00	87	172.00	210
52.00	334	82.00	628	128.00	667	174.00	115336
55.00	370	86.00	106	129.00	303	175.00	6243
56.00	2074	87.00	3758	130.00	578	176.00	115608
57.00	4138	88.00	4213	131.00	154	177.00	7642
58.00	94	91.00	567	135.00	349	178.00	81
60.00	1705	92.00	4966	137.00	415	217.00	60
61.00	5921	93.00	6823	139.00	60	250.00	100
62.00	6324	94.00	17320	140.00	51		
63.00	4786	95.00	142784	141.00	1891		
64.00	451	96.00	8567	142.00	212		

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

BLANK

Lab Name: Pace Analytical - Indiana Contract: E027039 / Allison Trans

Date Received: Matrix: Water SDG No.: 5096676

Date Extracted: 05/06/2014 13:28 Lab Sample ID: 1088989

Date Analyzed: 05/06/2014 13:28 Lab File ID: B050614.B\B04MB.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV2B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	ND	U
71-43-2	Benzene	ND	U
75-27-4	Bromodichloromethane	ND	U
75-25-2	Bromoform	ND	U
74-83-9	Bromomethane	ND	U
78-93-3	2-Butanone (MEK)	ND	U
75-15-0	Carbon disulfide	ND	U
56-23-5	Carbon tetrachloride	ND	U
108-90-7	Chlorobenzene	ND	U
75-00-3	Chloroethane	ND	U
67-66-3	Chloroform	ND	U
74-87-3	Chloromethane	ND	U
110-82-7	Cyclohexane	ND	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	U
124-48-1	Dibromochloromethane	ND	U
106-93-4	1,2-Dibromoethane (EDB)	ND	U
95-50-1	1,2-Dichlorobenzene	ND	U
541-73-1	1,3-Dichlorobenzene	ND	U
106-46-7	1,4-Dichlorobenzene	ND	U
75-71-8	Dichlorodifluoromethane	ND	U
75-34-3	1,1-Dichloroethane	ND	U
107-06-2	1,2-Dichloroethane	ND	U
75-35-4	1,1-Dichloroethene	ND	U
156-59-2	cis-1,2-Dichloroethene	ND	U
156-60-5	trans-1,2-Dichloroethene	ND	U
78-87-5	1,2-Dichloropropane	ND	U
10061-01-5	cis-1,3-Dichloropropene	ND	U
10061-02-6	trans-1,3-Dichloropropene	ND	U
100-41-4	Ethylbenzene	ND	U
591-78-6	2-Hexanone	ND	U
98-82-8	Isopropylbenzene (Cumene)	ND	U
79-20-9	Methyl acetate	ND	U
108-87-2	Methylcyclohexane	ND	U
75-09-2	Methylene Chloride	ND	U
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	U
1634-04-4	Methyl-tert-butyl ether	ND	U
100-42-5	Styrene	ND	U

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

BLANK

Lab Name: Pace Analytical - Indiana Contract: E027039 / Allison Trans

Date Received: Matrix: Water SDG No.: 5096676

Date Extracted: 05/06/2014 13:28 Lab Sample ID: 1088989

Date Analyzed: 05/06/2014 13:28 Lab File ID: B050614.B\B04MB.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV2B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	ND	U
127-18-4	Tetrachloroethene	ND	U
108-88-3	Toluene	ND	U
120-82-1	1,2,4-Trichlorobenzene	ND	U
71-55-6	1,1,1-Trichloroethane	ND	U
79-00-5	1,1,2-Trichloroethane	ND	U
79-01-6	Trichloroethene	ND	U
75-69-4	Trichlorofluoromethane	ND	U
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U
75-01-4	Vinyl chloride	ND	U
1330-20-7	Xylene (Total)	ND	U

Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b04mb.d Page 1
Report Date: 07-May-2014 12:20

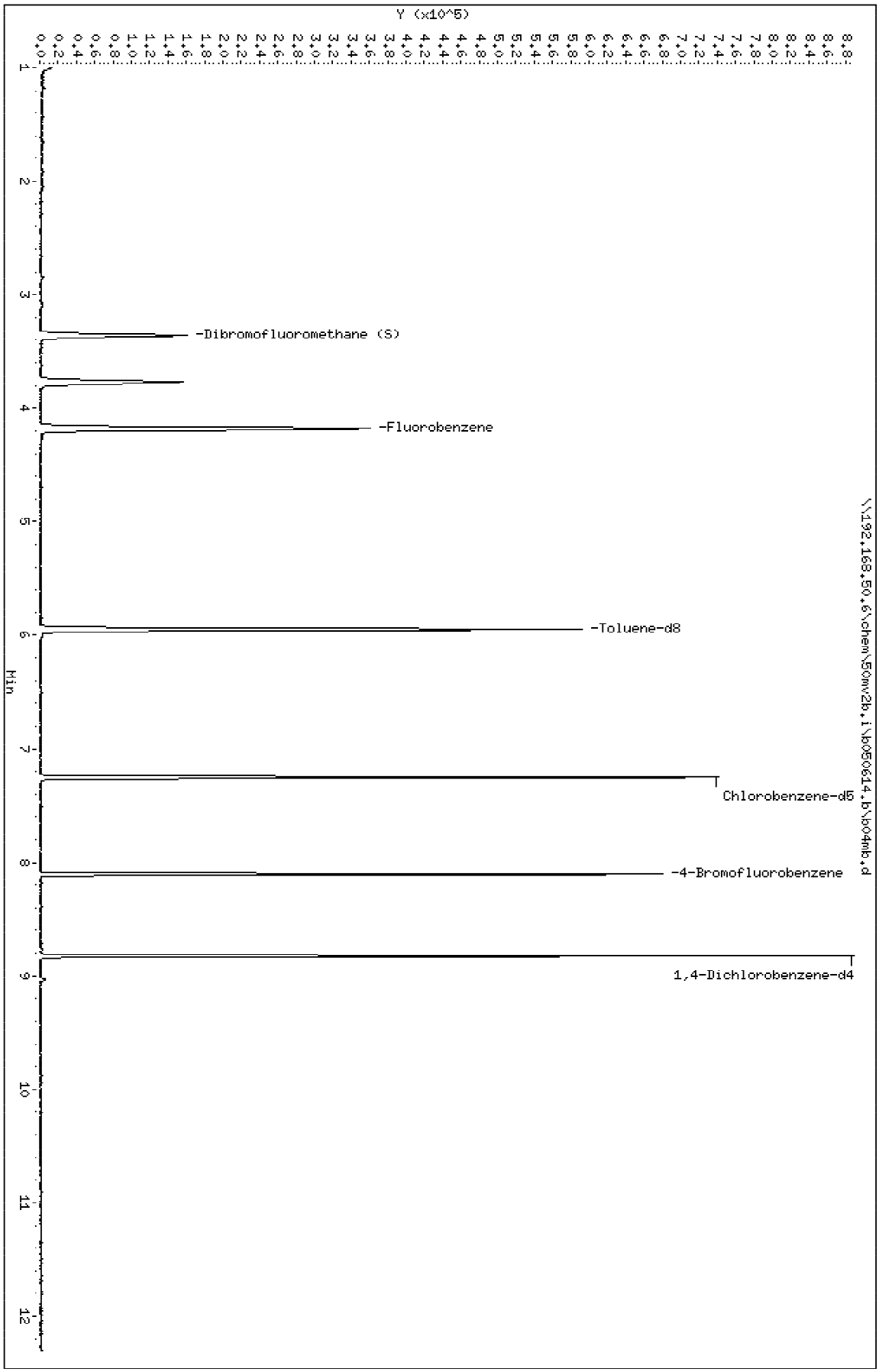
Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv2b.i\b050614.b\b04mb.d
Lab Smp Id: 1088989 Client Smp ID: 1088989
Inj Date : 06-MAY-2014 13:28
Operator : dac Inst ID: 50mv2b.i
Smp Info : 1088989
Misc Info : 64381
Comment :
Method : \\192.168.50.6\chem\50mv2b.i\b050614.b\-b8260_a_b.m
Meth Date : 07 May 2014 10:18 50mv2b.i Quant Type: ISTD
Cal Date : 02 MAY 2014 15:20 Cal File: b09cal8.d
Als bottle: 55 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ppb)	REVIEW C
$ 32 Dibromofluoromethane (S)	113	3.361	3.361	(0.804)	92805	51.0874	51.1	
* 40 Fluorobenzene	96	4.179	4.182	(1.000)	317048	50.0000		
$ 49 Toluene-d8	98	5.946	5.946	(0.820)	316009	50.7078	50.7	
* 59 Chlorobenzene d5	117	7.251	7.250	(1.000)	249302	50.0000		
$ 70 4-Bromofluorobenzene	95	8.102	8.102	(1.117)	130438	48.4357	48.4	
* 82 1,4-Dichlorobenzene-d4	152	8.625	8.625	(1.000)	129625	50.0000		



Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b04mb.d
Date : 06-MAY-2014 13:28
Client ID: 1088989
Sample Info: 1088989
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mv2b.i
Operator: dae
Column diameter: 0.18

Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b/b04mb.d
Injection Date: 06-MAY-2014 13:28
Instrument: 50mv2b.i
Lab Sample ID: 1088989
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

LAB SAMPLE NO.: LCS

Lab Name: Pace Analytical - Indiana Contract: E027039 / Allison Trans

Date Received: Matrix: Water SDG No.: 5096676

Date Extracted: 05/06/2014 12:21 Lab Sample ID: 1088990

Date Analyzed: 05/06/2014 12:21 Lab File ID: B050614.B\B02LCS.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV2B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	282	
71-43-2	Benzene	44.3	
75-27-4	Bromodichloromethane	48.2	
75-25-2	Bromoform	40.8	
74-83-9	Bromomethane	66.5	
78-93-3	2-Butanone (MEK)	225	
75-15-0	Carbon disulfide	94.0	
56-23-5	Carbon tetrachloride	52.4	
108-90-7	Chlorobenzene	49.6	
75-00-3	Chloroethane	61.5	
67-66-3	Chloroform	43.8	
74-87-3	Chloromethane	47.6	
110-82-7	Cyclohexane	ND	U
96-12-8	1,2-Dibromo-3-chloropropane	40.7	
124-48-1	Dibromochloromethane	45.6	
106-93-4	1,2-Dibromoethane (EDB)	51.3	
95-50-1	1,2-Dichlorobenzene	50.7	
541-73-1	1,3-Dichlorobenzene	49.0	
106-46-7	1,4-Dichlorobenzene	48.0	
75-71-8	Dichlorodifluoromethane	63.0	
75-34-3	1,1-Dichloroethane	40.5	
107-06-2	1,2-Dichloroethane	45.6	
75-35-4	1,1-Dichloroethene	46.7	
156-59-2	cis-1,2-Dichloroethene	43.8	
156-60-5	trans-1,2-Dichloroethene	45.9	
78-87-5	1,2-Dichloropropane	46.3	
10061-01-5	cis-1,3-Dichloropropene	45.8	
10061-02-6	trans-1,3-Dichloropropene	44.6	
100-41-4	Ethylbenzene	49.2	
591-78-6	2-Hexanone	242	
98-82-8	Isopropylbenzene (Cumene)	54.5	
79-20-9	Methyl acetate	ND	U
108-87-2	Methylcyclohexane	52.0	
75-09-2	Methylene Chloride	48.5	
108-10-1	4-Methyl-2-pentanone (MIBK)	239	
1634-04-4	Methyl-tert-butyl ether	89.7	
100-42-5	Styrene	52.9	

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCS

Lab Name: Pace Analytical - Indiana Contract: E027039 / Allison Trans

Date Received: Matrix: Water SDG No.: 5096676

Date Extracted: 05/06/2014 12:21 Lab Sample ID: 1088990

Date Analyzed: 05/06/2014 12:21 Lab File ID: B050614.B\B02LCS.D

Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV2B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
79-34-5	1,1,2,2-Tetrachloroethane	45.8	
127-18-4	Tetrachloroethene	50.0	
108-88-3	Toluene	48.8	
120-82-1	1,2,4-Trichlorobenzene	58.9	
71-55-6	1,1,1-Trichloroethane	49.2	
79-00-5	1,1,2-Trichloroethane	48.6	
79-01-6	Trichloroethene	45.2	
75-69-4	Trichlorofluoromethane	52.1	
76-13-1	1,1,2-Trichlorotrifluoroethane	46.9	
75-01-4	Vinyl chloride	48.3	
1330-20-7	Xylene (Total)	151	

Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 1
Report Date: 07-May-2014 12:20

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d
Lab Smp Id: 1088990,65557:5 Client Smp ID: 1088990,65557:5
Inj Date : 06-MAY-2014 12:21
Operator : dac Inst ID: 50mv2b.i
Smp Info : 1088990,65557:5
Misc Info : 64381
Comment :
Method : \\192.168.50.6\chem\50mv2b.i\b050614.b\-b8260_a_b.m
Meth Date : 07 May 2014 10:18 50mv2b.i Quant Type: ISTD
Cal Date : 02 MAY 2014 15:20 Cal File: b09cal8.d
Als bottle: 53 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIC MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)	REVIEW C
1	Dichlorodifluoromethane	85	0.971	0.971	(0.232)	198187	62.9859	63.0	
2	Chloromethane	50	1.080	1.077	(0.258)	121136	47.6137	47.6	
3	Vinyl Chloride	62	1.099	1.099	(0.263)	123508	48.2744	48.3	
4	Bromomethane	94	1.241	1.241	(0.297)	54264	66.5329	66.5	
5	Chloroethane	64	1.285	1.285	(0.307)	71830	61.5497	61.5	
6	Trichlorofluoromethane	101	1.397	1.397	(0.334)	225674	52.1244	52.1	
7	Diethyl ether	74	1.522	1.519	(0.364)	54074	46.2023	46.2	
8	Acrolein	56	1.589	1.591	(0.380)	257903	863.968	864	
9	1,1-Dichloroethene	96	1.647	1.647	(0.394)	92351	46.7231	46.7	
10	1,1,2Trichlorotrifluoroethane	101	1.644	1.641	(0.393)	108422	46.9025	46.9	
11	Acetone	43	1.658	1.658	(0.397)	167685	281.662	282	
12	Iodomethane	142	1.733	1.733	(0.415)	202488	102.945	103(M)	NI
141	Acetonitrile	39	1.839	1.839	(0.440)	207309	44.7915	44.8	
13	Carbon Disulfide	76	1.781	1.778	(0.426)	498699	93.9522	94.0	
14	allyl chloride	41	1.839	1.839	(0.440)	248463	91.8002	91.8	
15	Methylene Chloride	84	1.914	1.911	(0.458)	92568	48.5131	48.5	
16	Acrylonitrile	53	2.048	2.048	(0.490)	615089	772.970	773	
17	tert-Butyl Alcohol	59	1.953	1.956	(0.467)	20994	88.1923	88.2	
18	1,2-Dichloroethene (trans)	96	2.081	2.084	(0.498)	98799	45.8948	45.9	
19	Methyl-tert-butyl ether	73	2.073	2.073	(0.496)	548691	89.7200	89.7	
20	n-Hexane	57	2.262	2.262	(0.541)	139929	42.9846	43.0	
138	Methyl Acetate	43	1.822	1.825	(0.436)	83961	46.8350	46.8	
21	1,1-Dichloroethane	63	2.384	2.384	(0.570)	188446	40.4660	40.5	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON COLUMN (ppb)	CONCENTRATIONS FINAL (ppb)	REVIEW C
	23 Vinyl Acetate	43	2.376	2.373	(0.560)	709494	160.835	169	
	143 Chloroprene	53	2.437	2.437	(0.583)	193846	44.8150	44.8	
	24 2,2-Dichloropropane	77	2.857	2.860	(0.683)	151019	52.3324	52.3	
	25 1,2-Dichloroethene (cis)	96	2.852	2.852	(0.682)	126982	43.7529	43.8	
	26 2-Butanone	43	2.838	2.841	(0.679)	256345	225.327	225	
	27 Propionitrile	54	2.894	2.896	(0.692)	17324	40.4950	40.5(Q)	
	142 Methacrylonitrile	41	3.041	3.041	(0.727)	255439	641.684	642	
	28 1,2-dichlorotrifluoroethane	67	1.539	1.538	(0.368)	124370	45.4639	45.5	
	29 Bromochloromethane	49	3.080	3.077	(0.737)	93872	43.4204	43.4	
	30 Tetrahydrofuran	42	3.091	3.099	(0.739)	31377	45.4563	45.4	
	31 Chloroform	83	3.189	3.188	(0.762)	222520	43.7607	43.8	
$	32 Dibromofluoromethane (S)	113	3.361	3.361	(0.804)	103870	47.3198	47.3	
	33 1,1,1-Trichloroethane	97	3.361	3.361	(0.804)	210094	49.2044	49.2	
	34 cyclohexane	56	3.445	3.436	(0.824)	208562	48.1603	48.2	
	35 Carbon Tetrachloride	117	3.536	3.536	(0.846)	173652	52.4177	52.4	
	36 1,1-Dichloropropene	75	3.545	3.542	(0.848)	174109	48.2734	48.3	
	37 Isobutyl alcohol	43	3.904	3.956	(0.933)	927224	844.673	845(Q)	
	38 Benzene	78	3.787	3.784	(0.906)	422725	44.3491	44.3	
	39 1,2-Dichloroethane	62	3.873	3.876	(0.926)	194522	45.6238	45.6	
	144 2,2,4-Trimethylpentane	57	3.959	3.956	(0.947)	352889	48.8438	48.8	
*	40 Fluorobenzene	96	4.182	4.182	(1.000)	383102	50.0000		
	41 Trichloroethene	95	4.619	4.616	(1.104)	124432	45.2089	45.2	
	139 Methylcyclohexane	55	4.877	4.874	(1.166)	155977	52.0410	52.0	
	42 1,2-Dichloropropane	63	4.919	4.916	(1.176)	107097	46.3053	46.3	
	43 Dibromomethane	93	5.003	5.005	(1.196)	68476	42.5567	42.6	
	140 1,4-Dioxane	88	5.008	5.102	(1.198)	23188	42.1193	42.1(Q)	
	44 Methyl methacrylate	69	5.025	5.025	(1.202)	67315	43.7621	43.8	
	45 Bromodichloromethane	83	5.222	5.222	(1.249)	145696	48.2025	48.2	
	46 2-Chloroethyl vinyl ether	63	5.556	5.556	(0.766)	48787	118.031	118	
	47 cis 1,3 Dichloropropene	75	5.690	5.690	(0.785)	156004	45.8244	45.8	
	48 4 Methyl 2 Pentanone	43	5.857	5.856	(0.808)	427755	238.544	238	
$	49 Toluene d8	98	5.946	5.946	(0.820)	348070	51.6916	51.7	
	50 Toluene	91	6.015	6.015	(0.830)	461025	48.8238	48.8	
	51 trans-1,3-Dichloropropene	75	6.285	6.285	(0.867)	131186	44.5520	44.6	
	52 Ethyl Methacrylate	69	6.369	6.368	(0.878)	502091	204.458	204	
	53 1,1,2-Trichloroethane	83	6.466	6.466	(0.892)	72451	48.6332	48.6	
	54 Tetrachloroethene	166	6.511	6.510	(0.898)	129180	50.0346	50.0	
	55 1,3-Dichloropropane	76	6.608	6.608	(0.911)	163103	50.1329	50.1	
	56 2-Hexanone	43	6.677	6.677	(0.921)	306813	242.376	242	
	57 Dibromochloromethane	129	6.789	6.789	(0.936)	98237	45.6174	45.6	
	58 1,2-Dibromoethane	107	6.875	6.875	(0.948)	97833	51.3341	51.3	
*	59 Chlorobenzene-d5	117	7.251	7.250	(1.000)	269369	50.0000		
	60 Chlorobenzene	112	7.273	7.273	(1.003)	311902	49.6377	49.6	
	61 1,1,1,2-Tetrachloroethane	131	7.354	7.353	(1.014)	108548	56.8282	56.8	
	62 Ethylbenzene	106	7.359	7.362	(1.015)	172009	49.2063	49.2	
	63 m&p-Xylene	106	7.462	7.462	(1.029)	429815	99.9390	99.9	
	65 o-Xylene	106	7.732	7.732	(1.066)	203715	51.0272	51.0	
	66 Styrene	104	7.751	7.751	(1.069)	345369	52.8524	52.8	
	67 Bromoform	173	7.868	7.871	(0.892)	54722	40.7885	40.8	
	68 Isopropylbenzene	105	7.991	7.990	(1.102)	565748	54.4917	54.5	
	69 trans-1,4-Dichloro-2-butene	53	8.227	8.227	(1.135)	121387	156.814	157(Q)	
$	70 4-Bromofluorobenzene	95	8.105	8.102	(1.118)	143691	49.3821	49.4	
	71 Bromobenzene	77	8.183	8.182	(1.129)	200317	49.4253	49.4	
	72 1,1,2,2-Tetrachloroethane	83	8.205	8.205	(0.930)	105757	45.8486	45.8	

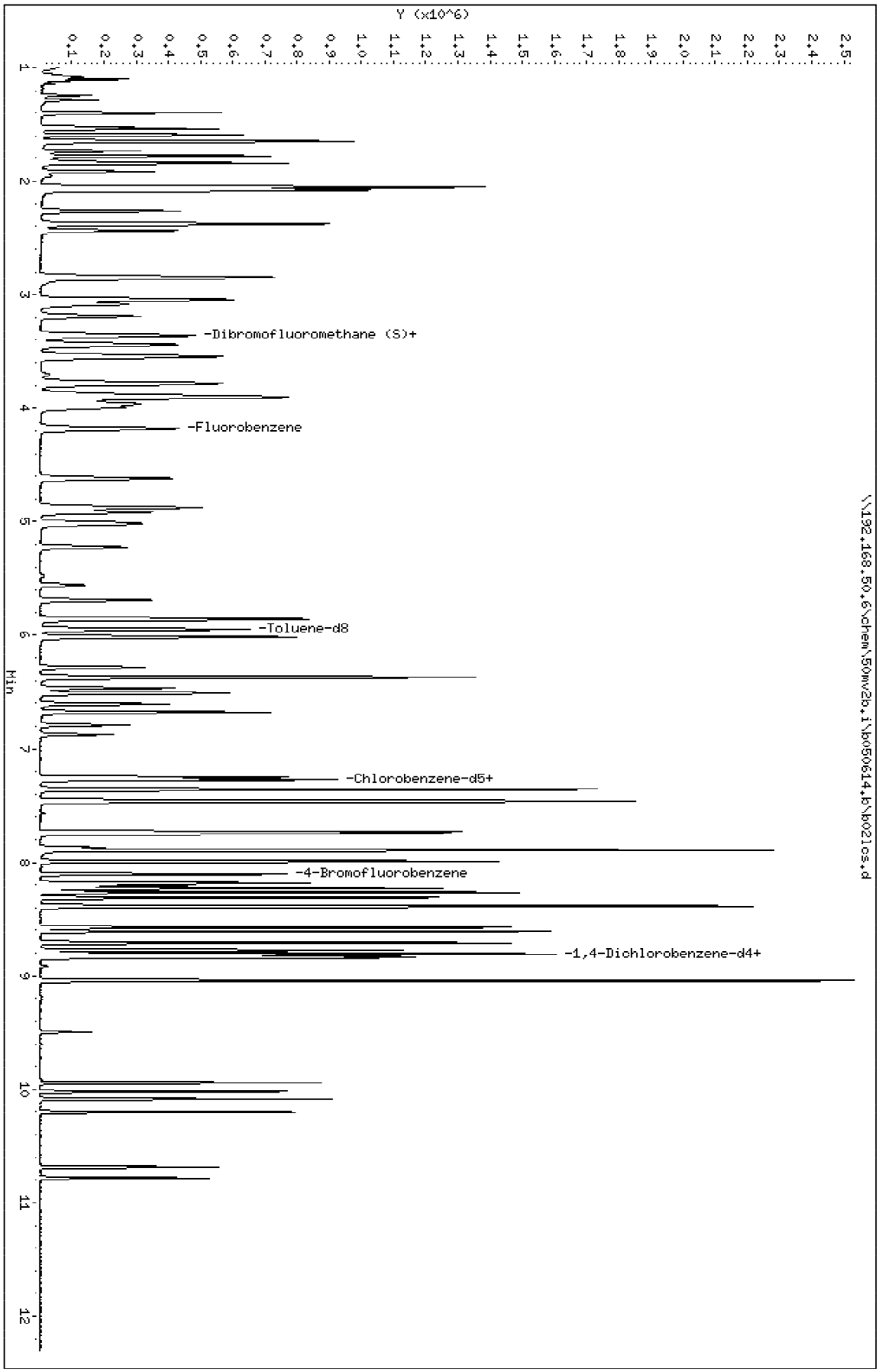
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON COLUMN (ppb)	CONCENTRATIONS FINAL (ppb)	REVIEW C
73	1,2,3-Trichloropropane	110	8.233	8.233	(0.933)	44527	46.8096	46.8(Q)	
74	n-Propylbenzene	91	8.263	8.263	(0.936)	641945	51.9893	52.0	
75	2-Chlorotoluene	91	8.311	8.310	(0.942)	391033	48.8280	48.8	
76	4-Chlorotoluene	126	8.391	8.391	(0.951)	130415	47.8996	47.9	
77	1,3,5-Trimethylbenzene	105	8.383	8.383	(0.950)	483953	51.9531	52.0	
78	tert-Butylbenzene	119	8.575	8.575	(0.972)	420915	43.9621	44.0	
79	1,2,4-Trimethylbenzene	105	8.611	8.611	(0.976)	485341	51.2976	51.3	
80	sec-Butylbenzene	105	8.711	8.711	(0.987)	575592	53.0610	53.1	
81	1,3-Dichlorobenzene	146	8.775	8.775	(0.994)	240791	48.9830	49.0	
* 82	1,4-Dichlorobenzene-d4	152	8.825	8.825	(1.000)	148212	50.0000		
83	p-Isopropyltoluene	119	8.806	8.806	(0.998)	521222	53.8219	53.8	
84	1,4-Dichlorobenzene	146	8.839	8.839	(1.002)	243654	47.9718	48.0	
85	1,2-Dichlorobenzene	146	9.042	9.042	(1.025)	224207	50.6531	50.6	
86	n-Butylbenzene	91	9.042	9.042	(1.025)	431855	55.2199	55.2	
87	1,2-Dibromo-3-chloropropane	155	9.496	9.493	(1.076)	17787	40.6854	40.7	
88	1,2,4-Trichlorobenzene	180	9.944	9.944	(1.127)	140991	58.8638	58.9	
89	Hexachlorobutadiene	225	10.022	10.022	(1.136)	83022	51.0809	51.1	
90	Naphthalene	128	10.086	10.085	(1.143)	374327	45.1518	45.2	
91	1,2,3-Trichlorobenzene	180	10.203	10.202	(1.156)	130340	47.9694	48.0	
92	2,methyl-naphthalene	142	10.687	10.686	(1.211)	133908	40.7910	40.8	
145	1-Methylnaphthalene	142	10.781	10.781	(1.222)	125176	41.8715	41.9	

QC Flag Legend

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

Review Codes Legend

NI: Indicates that the peak was not integrated at all by the computer software.



Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b021cs.d
Date : 06-MAY-2014 12:21
Client ID: 1088990,65557:5
Sample Info: 1088990,65557:5
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mv2b.i
Operator: dae
Column diameter: 0.18

Page 4

Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 5

Date : 06-MAY-2014 12:21

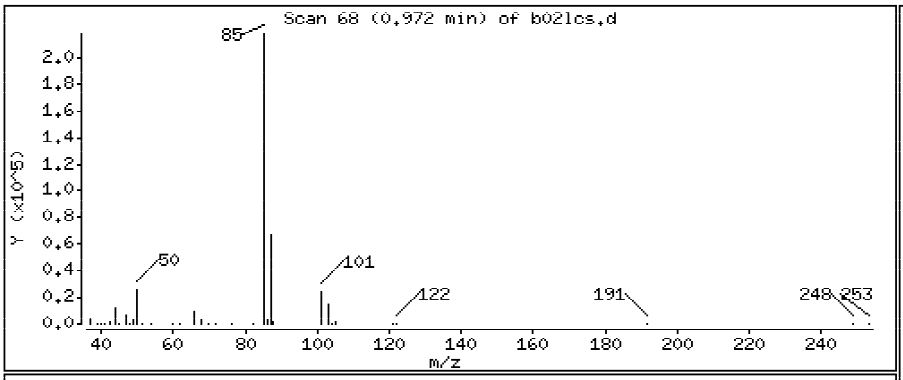
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

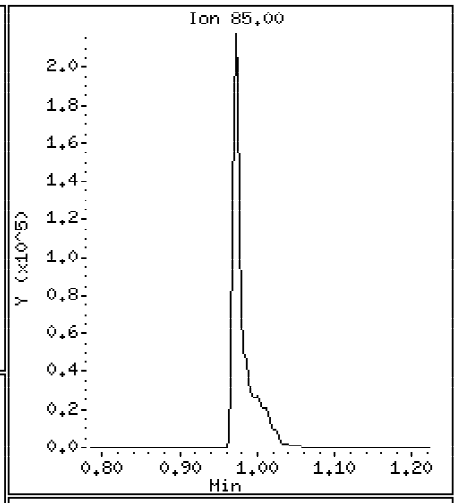
Sample Info: 1088990,65557:5

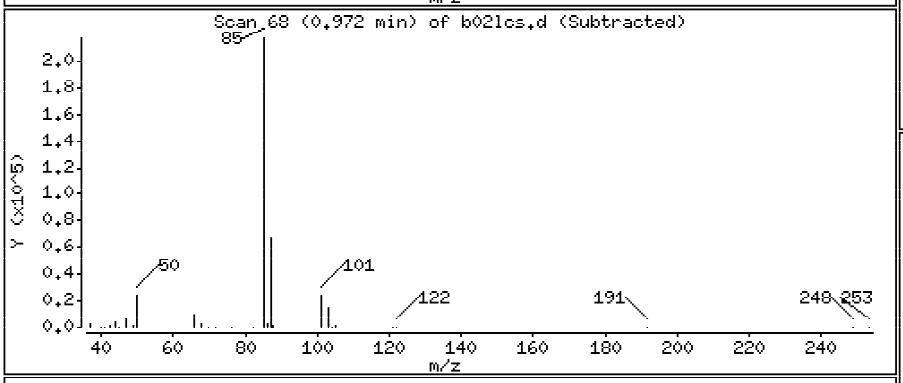
Purge Volume: 5.0 Operator: dae

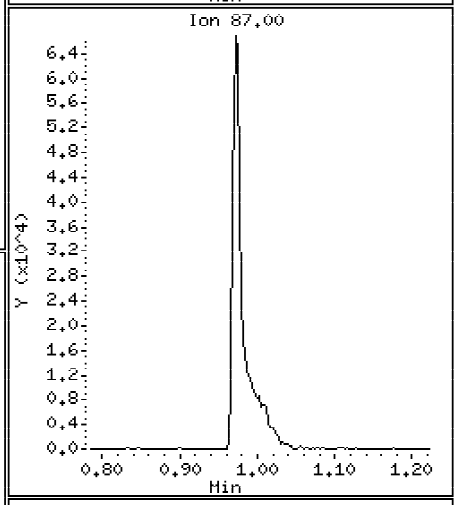
Column phase: DB-624 Column diameter: 0.18

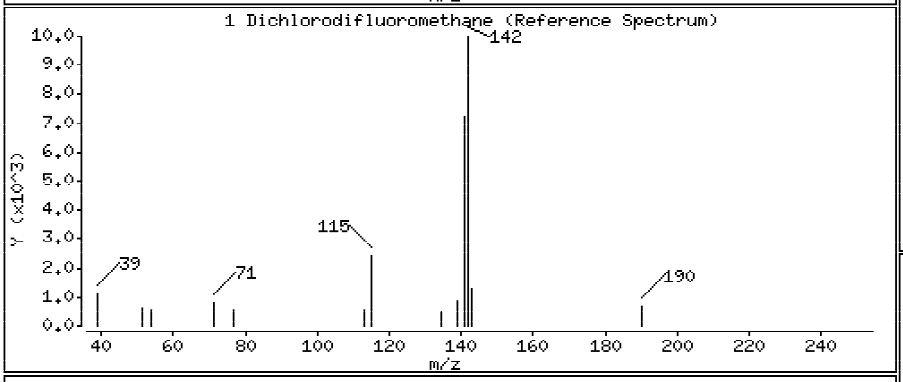
1 Dichlorodifluoromethane Concentration: 63.0 ppb

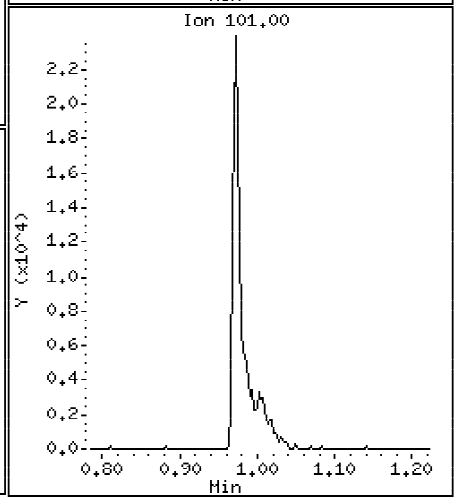


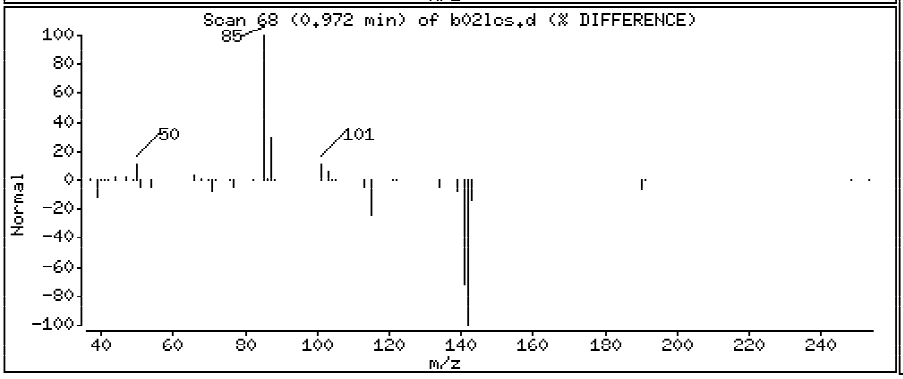












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 6

Date : 06-MAY-2014 12:21

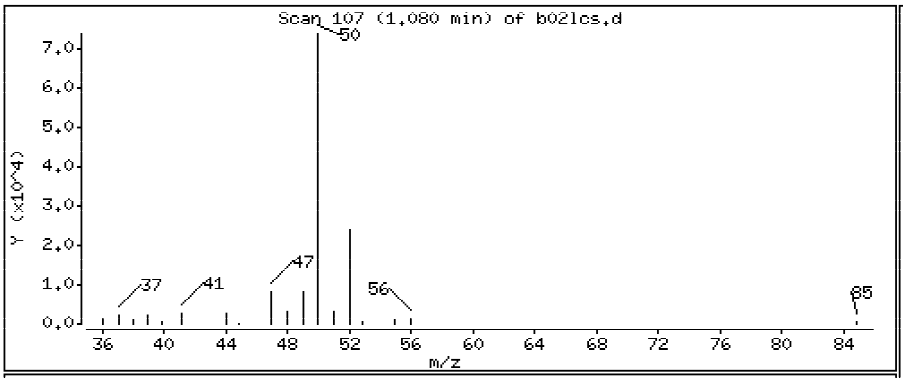
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

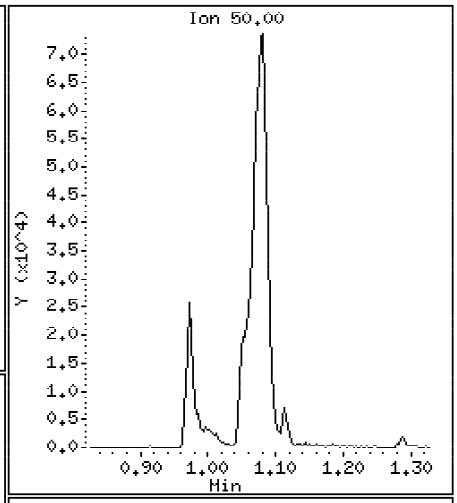
Sample Info: 1088990,65557:5

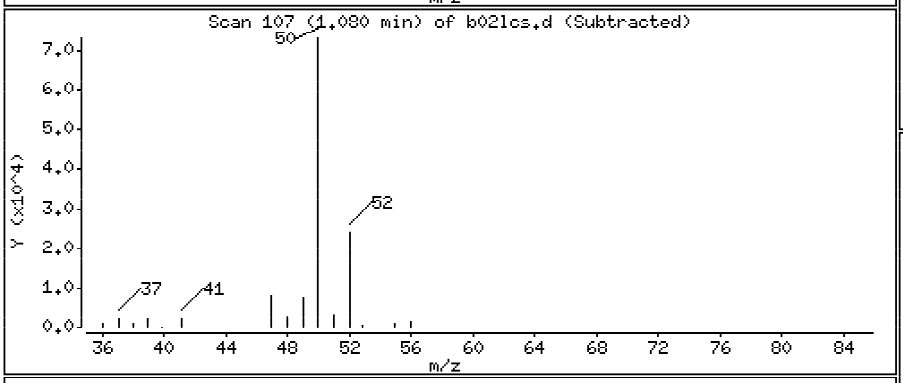
Purge Volume: 5.0 Operator: dae

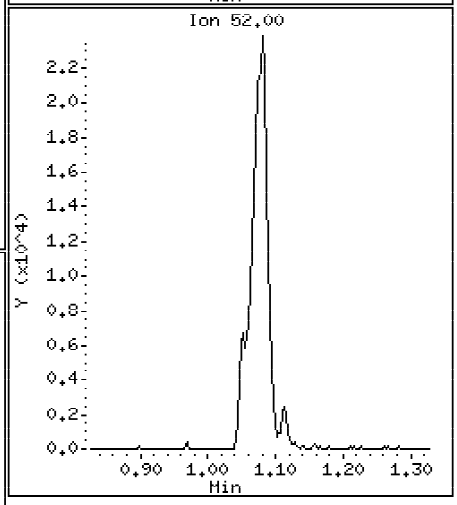
Column phase: DB-624 Column diameter: 0.18

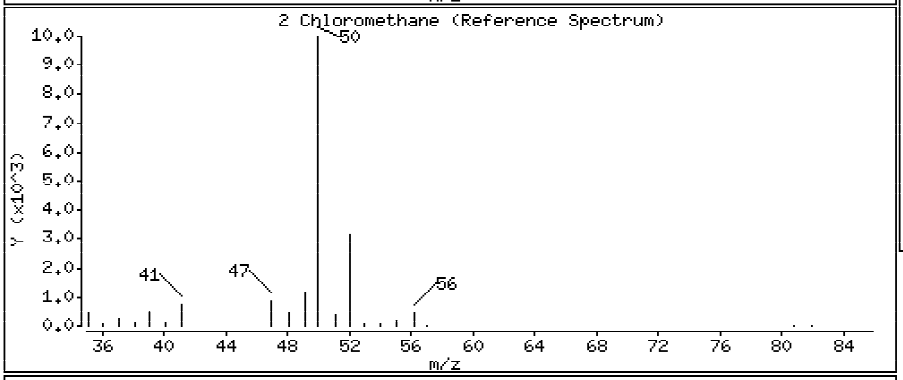
2 Chloromethane Concentration: 47.6 ppb

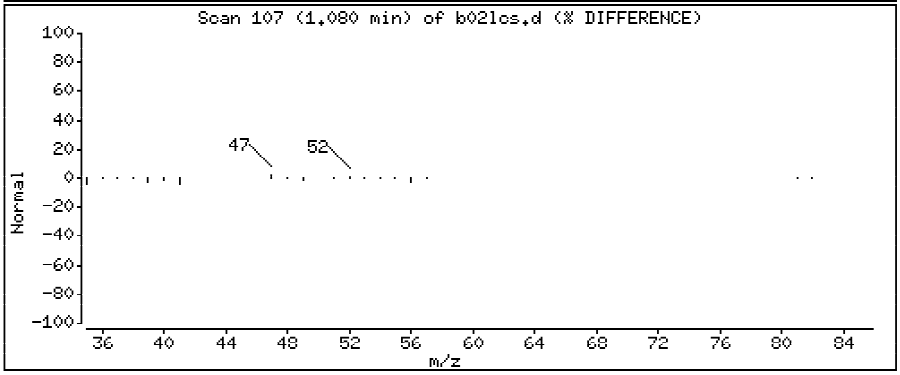












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 7

Date : 06-MAY-2014 12:21

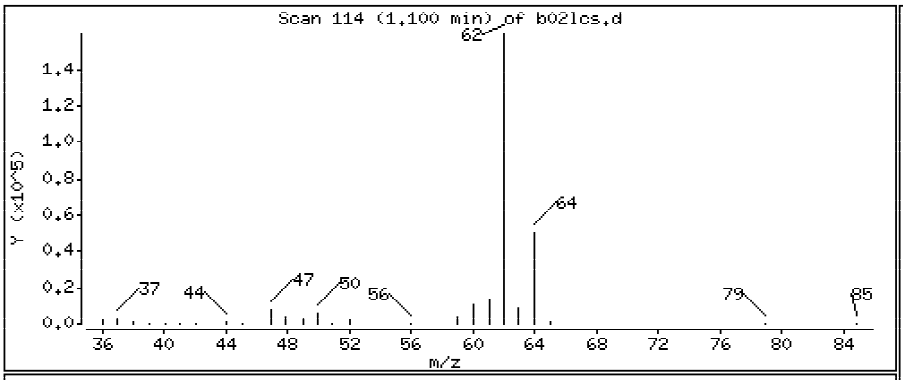
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

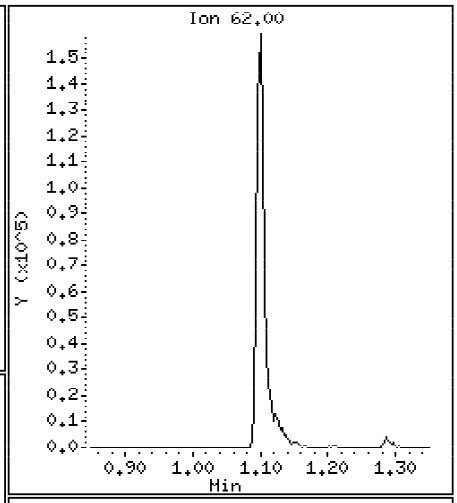
Sample Info: 1088990,65557:5

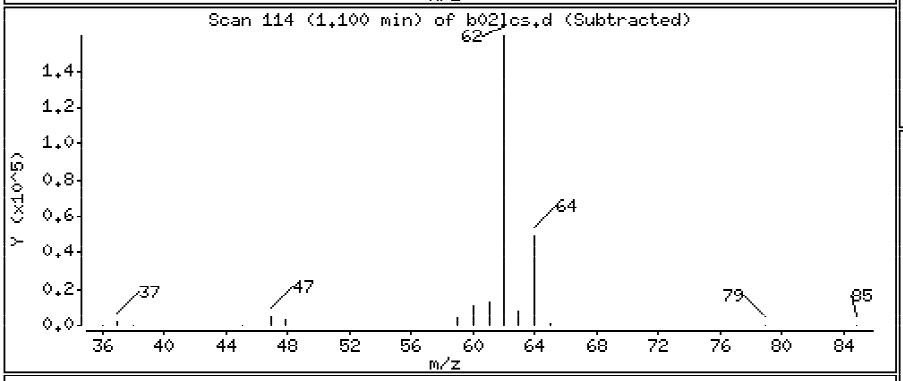
Purge Volume: 5.0 Operator: dae

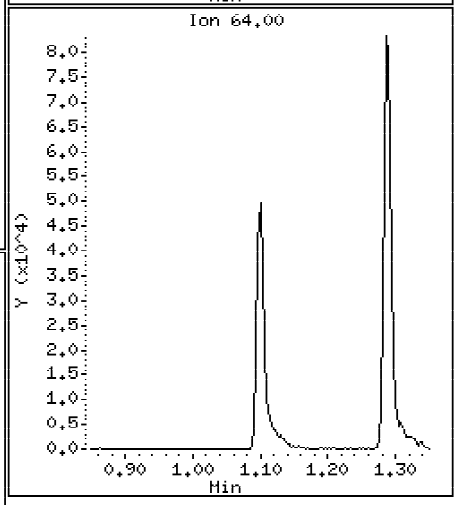
Column phase: DB-624 Column diameter: 0.18

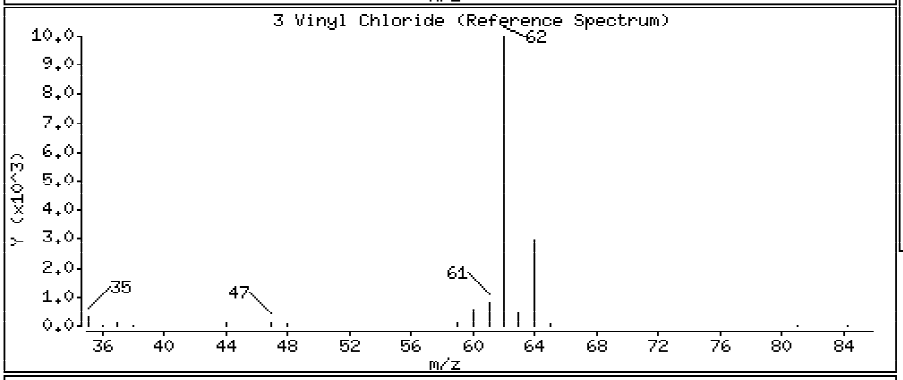
3 Vinyl Chloride Concentration: 48.3 ppb

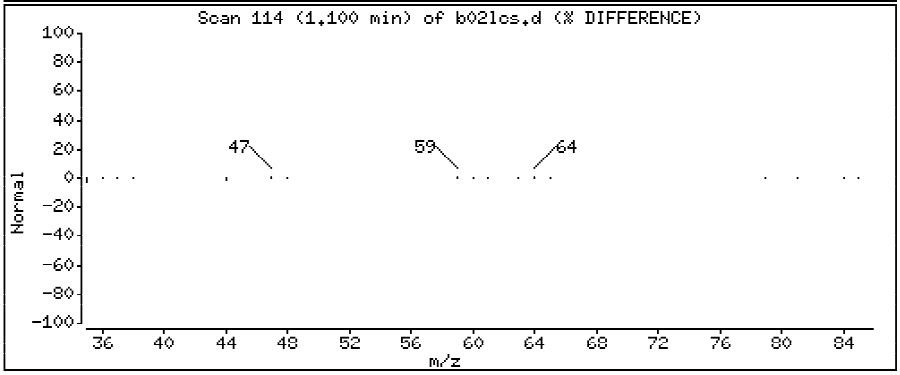












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 8

Date : 06-MAY-2014 12:21

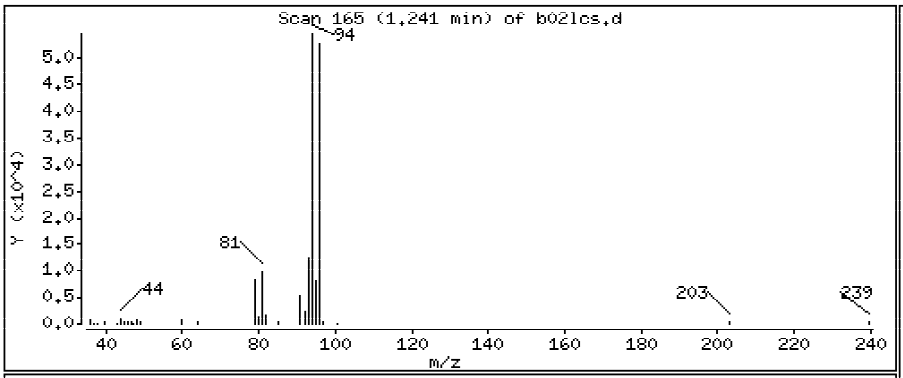
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

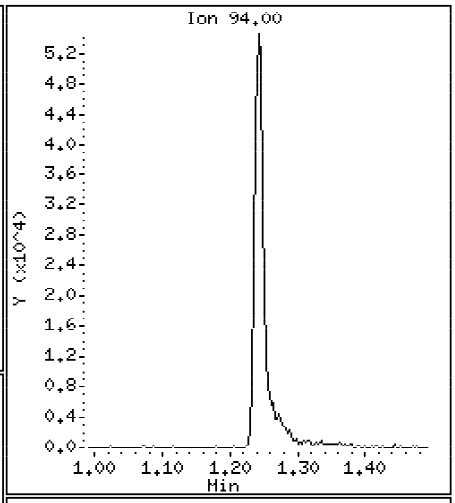
Sample Info: 1088990,65557:5

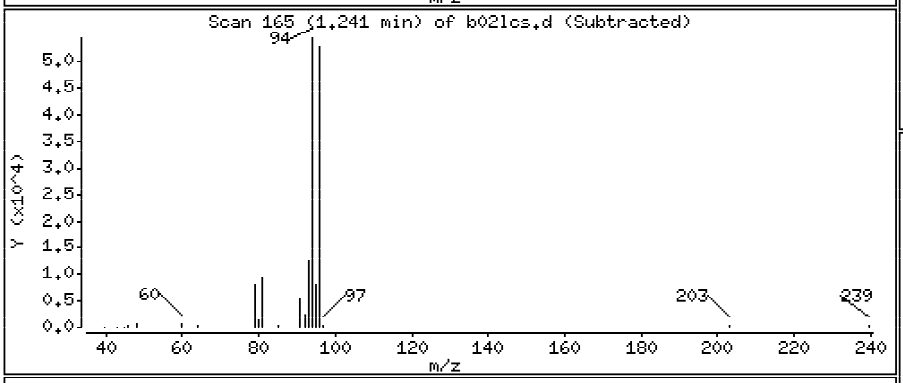
Purge Volume: 5.0 Operator: dae

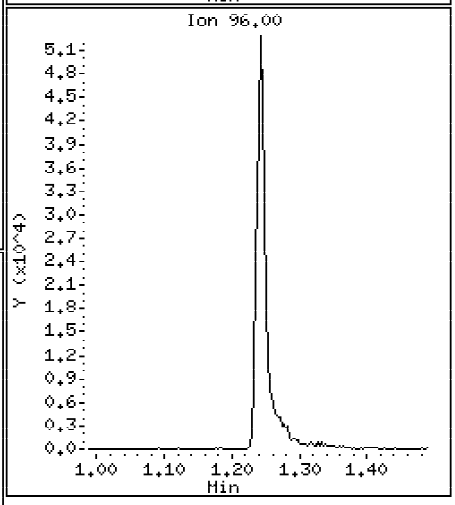
Column phase: DB-624 Column diameter: 0.18

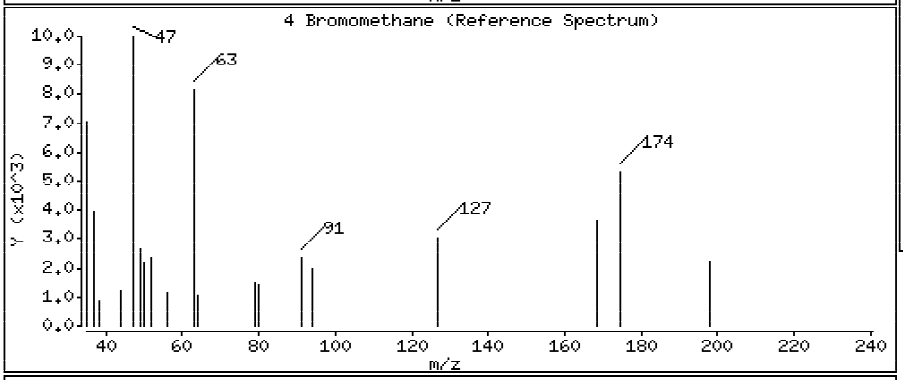
4 Bromomethane Concentration: 66.5 ppb

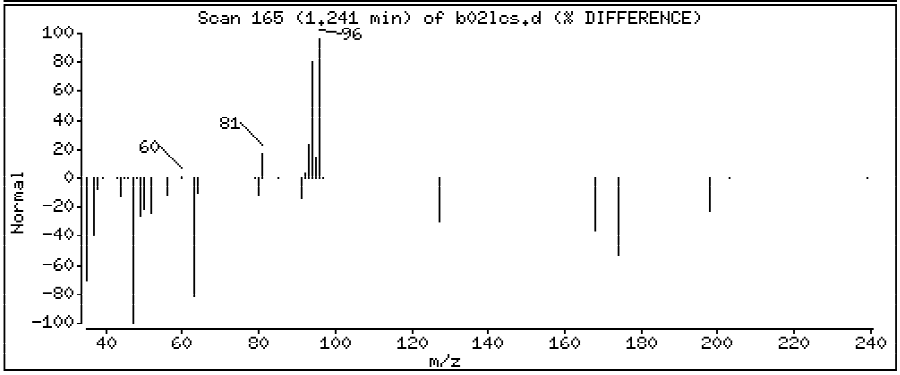












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 9

Date : 06-MAY-2014 12:21

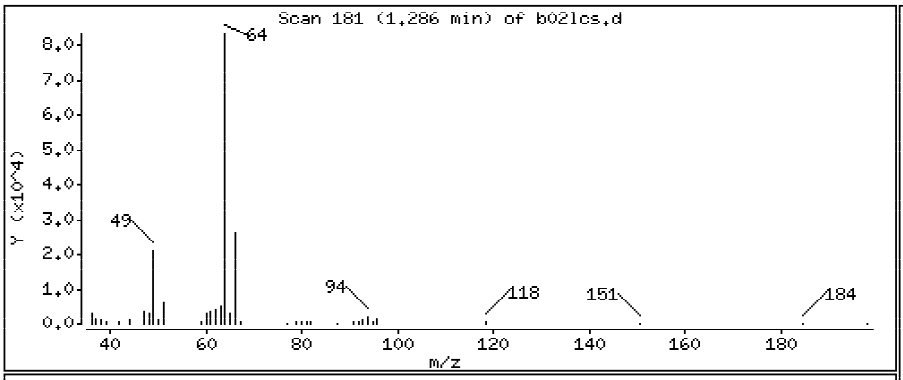
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

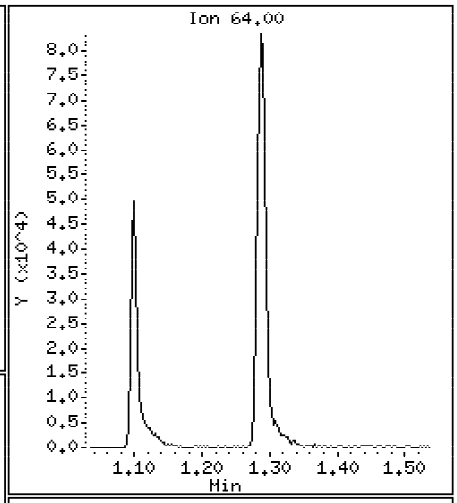
Sample Info: 1088990,65557:5

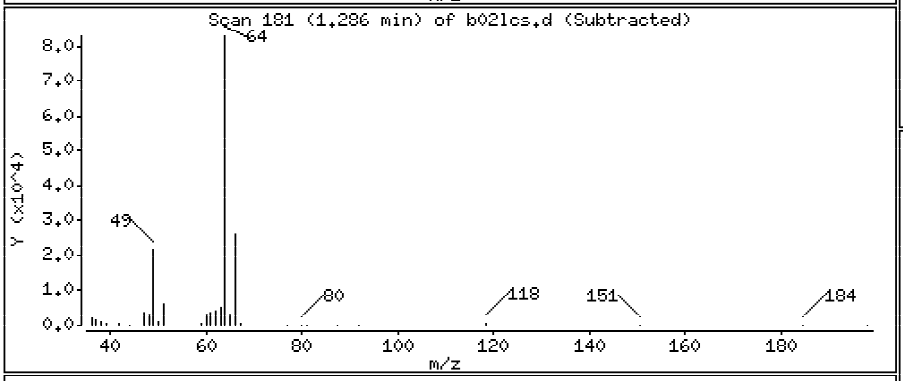
Purge Volume: 5.0 Operator: dae

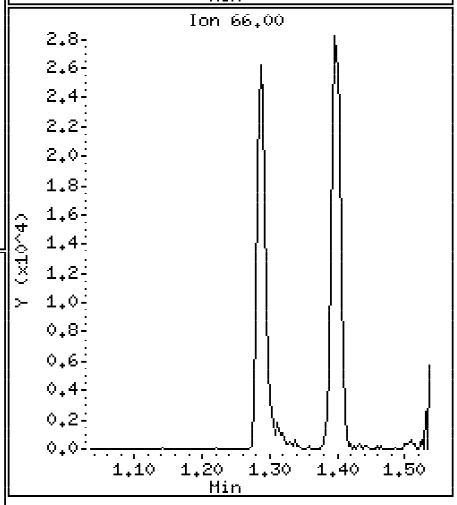
Column phase: DB-624 Column diameter: 0.18

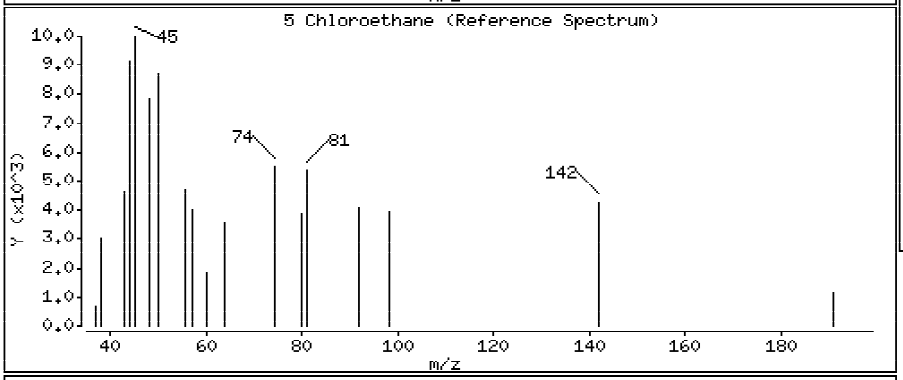
5 Chloroethane Concentration: 61.5 ppb

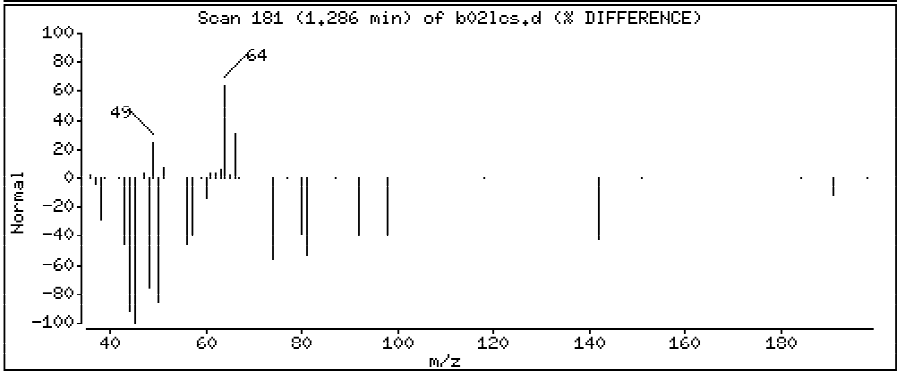












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 10

Date : 06-MAY-2014 12:21

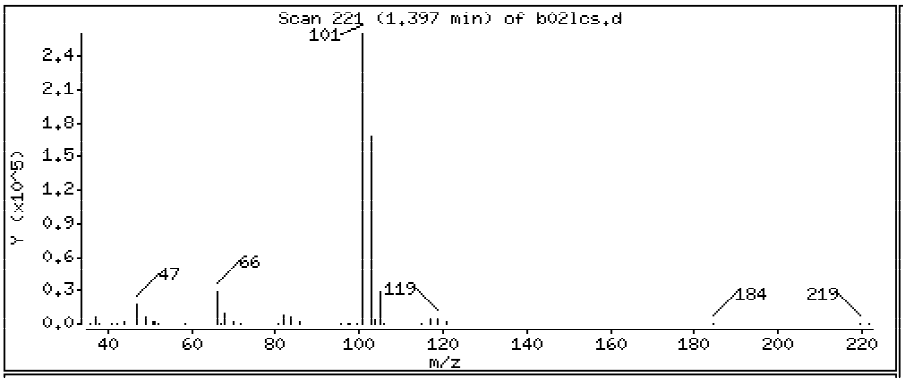
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

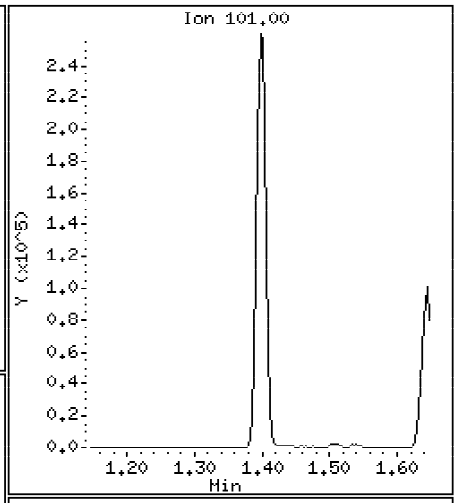
Sample Info: 1088990,65557:5

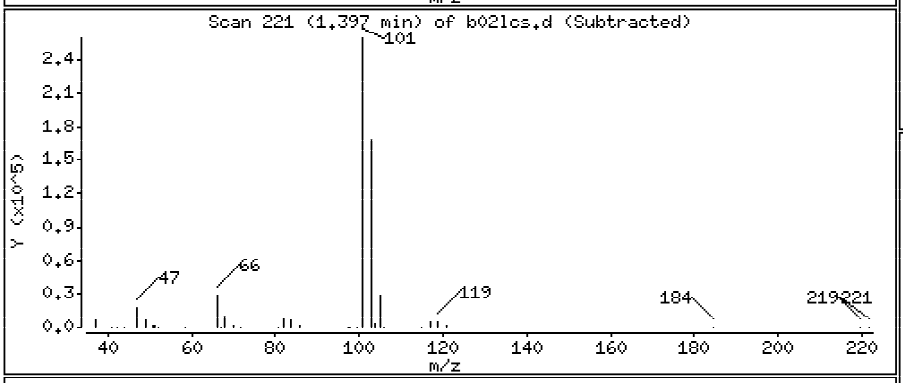
Purge Volume: 5.0 Operator: dae

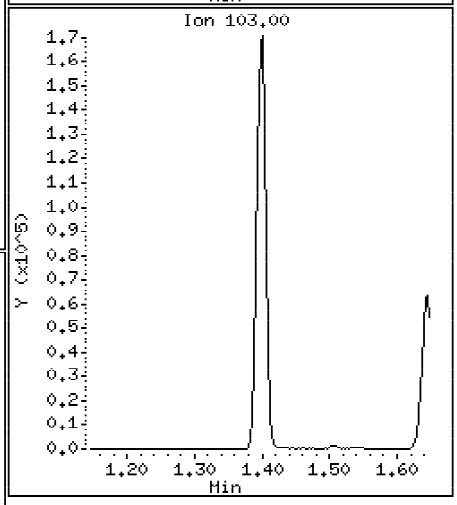
Column phase: DB-624 Column diameter: 0.18

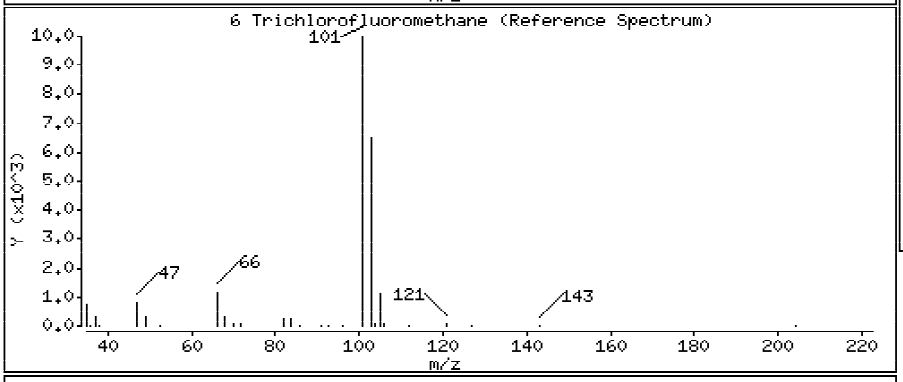
6 Trichlorofluoromethane Concentration: 52.1 ppb

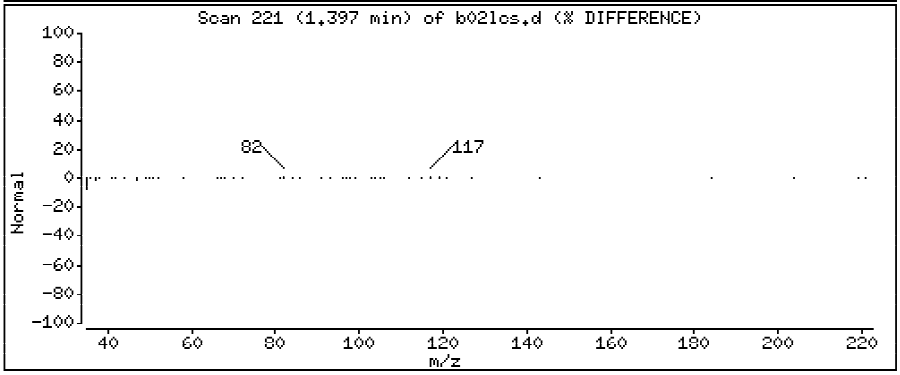












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 11

Date : 06-MAY-2014 12:21

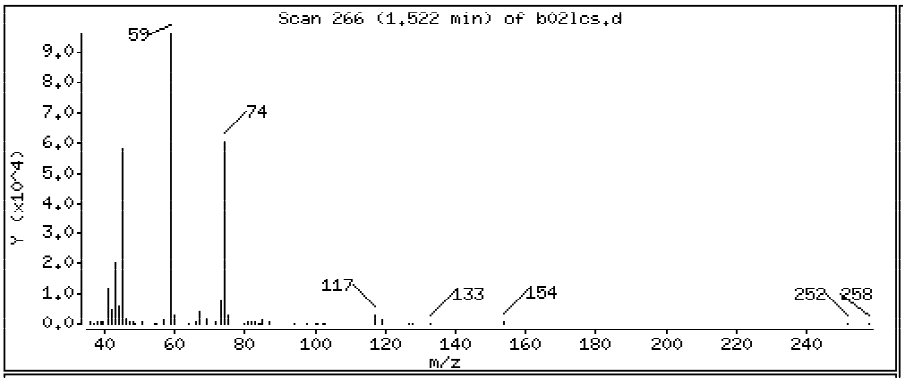
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

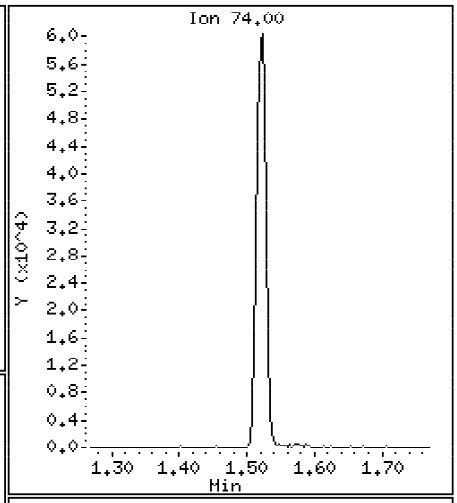
Sample Info: 1088990,65557:5

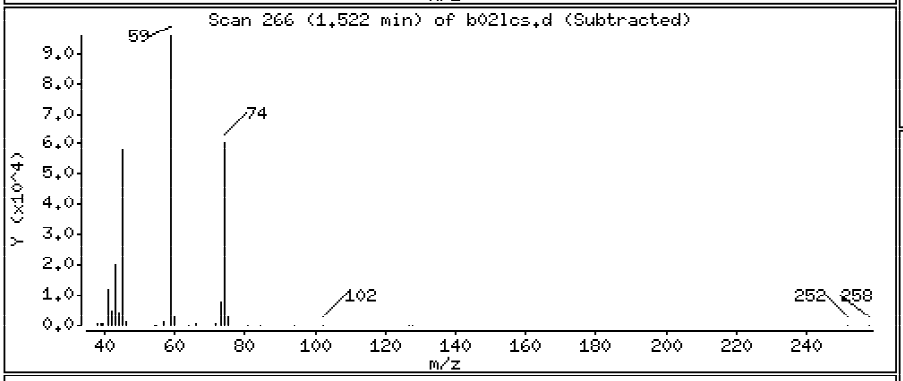
Purge Volume: 5.0 Operator: dae

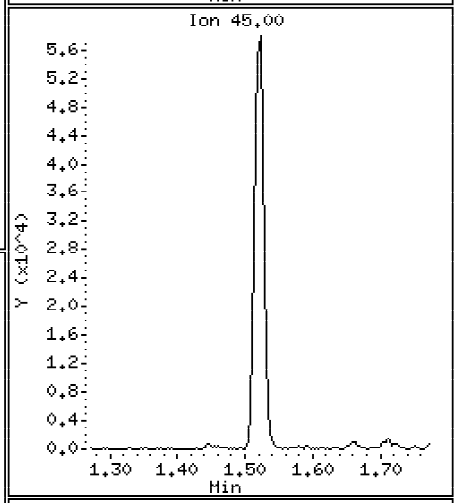
Column phase: DB-624 Column diameter: 0.18

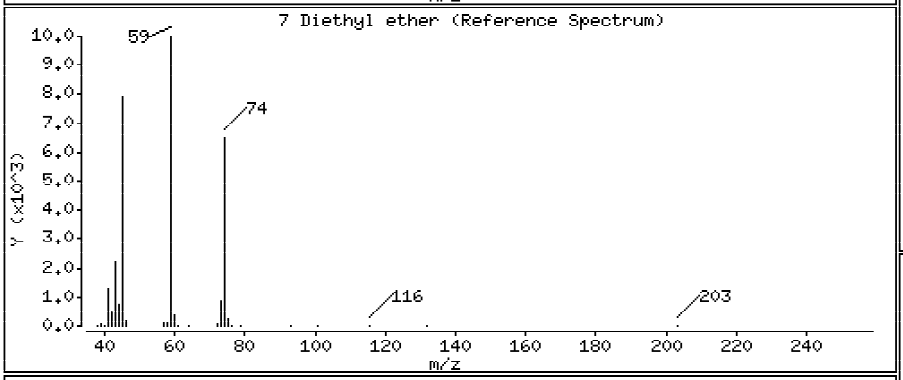
7 Diethyl ether Concentration: 46.2 ppb

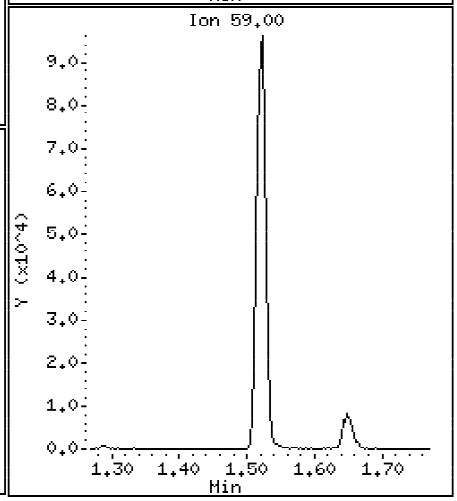


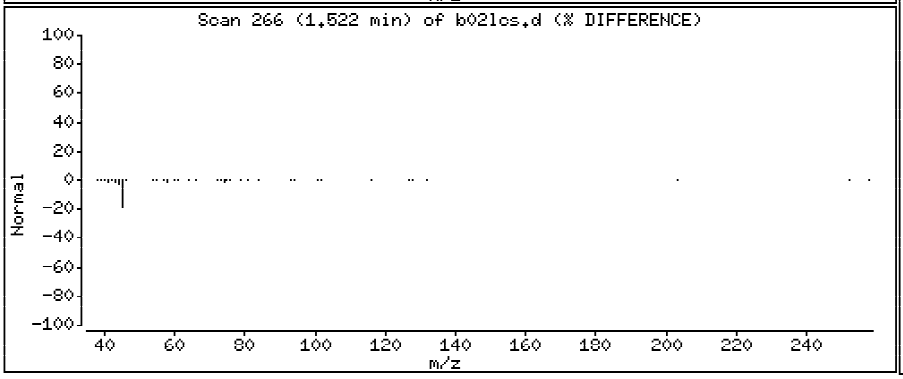












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 12

Date : 06-MAY-2014 12:21

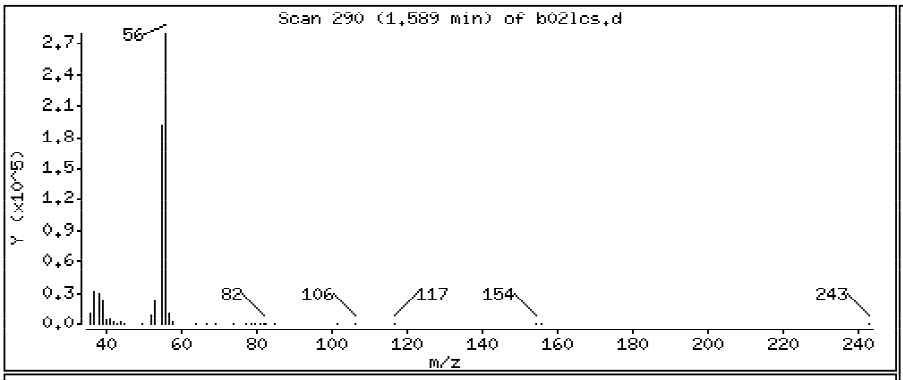
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

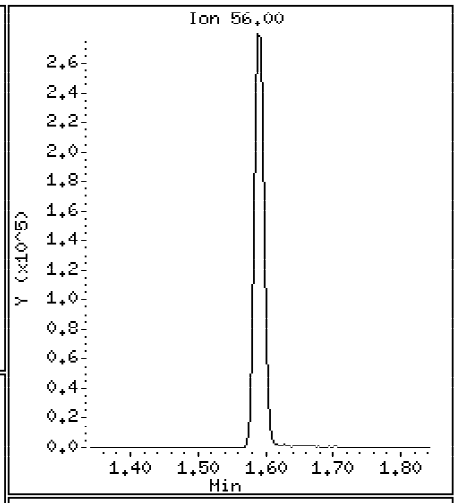
Sample Info: 1088990,65557:5

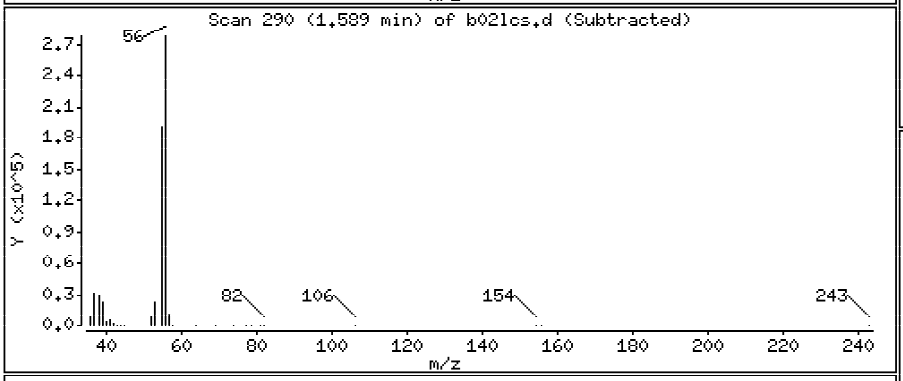
Purge Volume: 5.0 Operator: dae

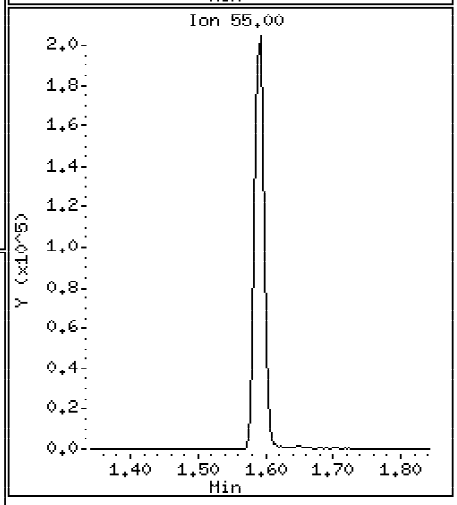
Column phase: DB-624 Column diameter: 0.18

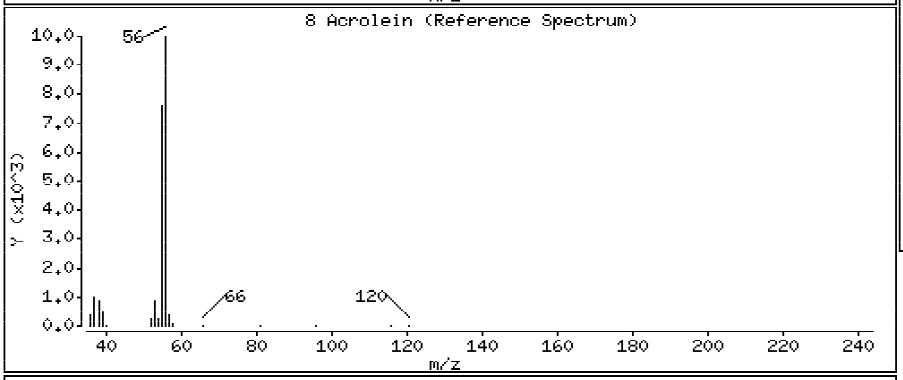
8 Acrolein Concentration: 864 ppb

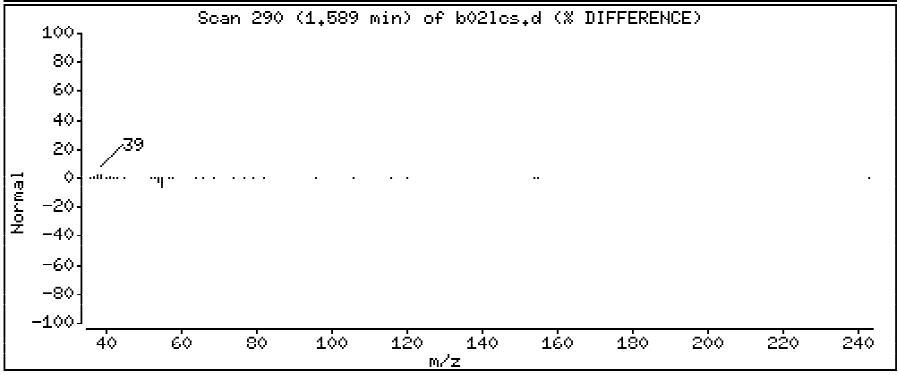












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 13

Date : 06-MAY-2014 12:21

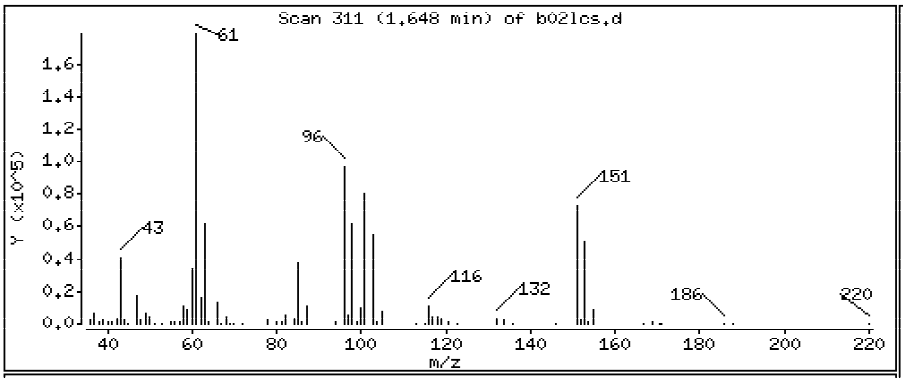
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

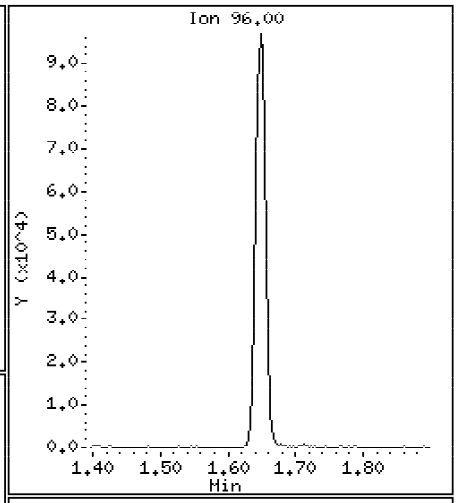
Sample Info: 1088990,65557:5

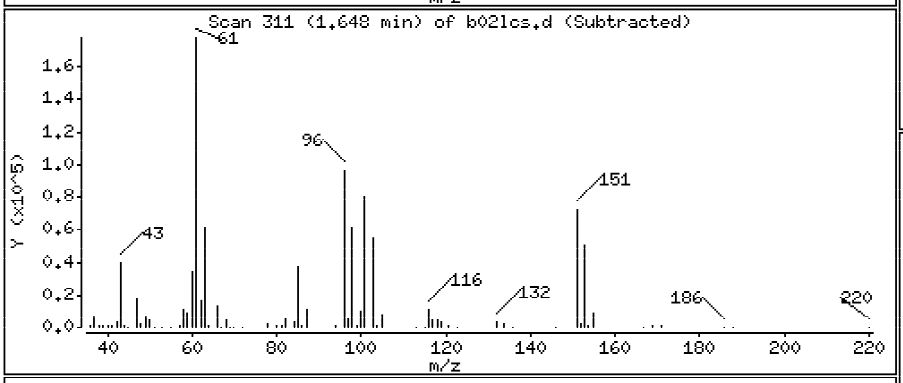
Purge Volume: 5.0 Operator: dae

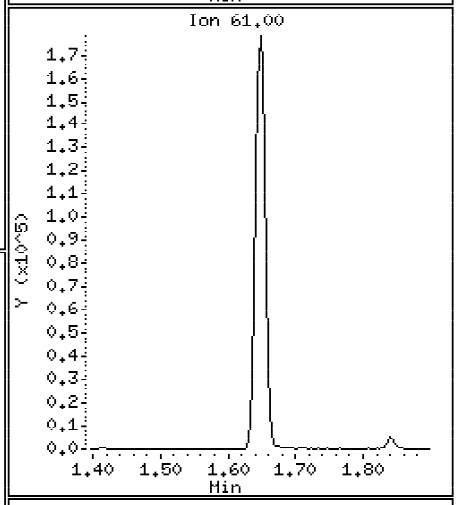
Column phase: DB-624 Column diameter: 0.18

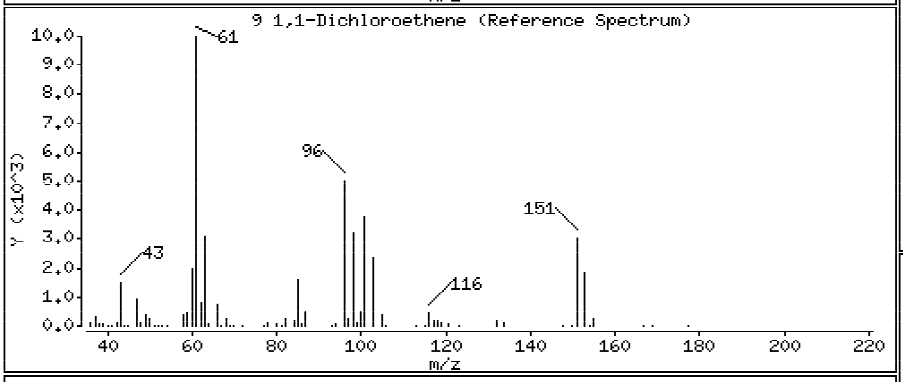
9 1,1-Dichloroethene Concentration: 46.7 ppb

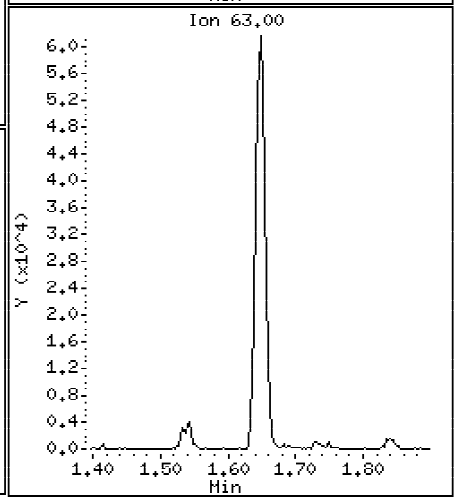


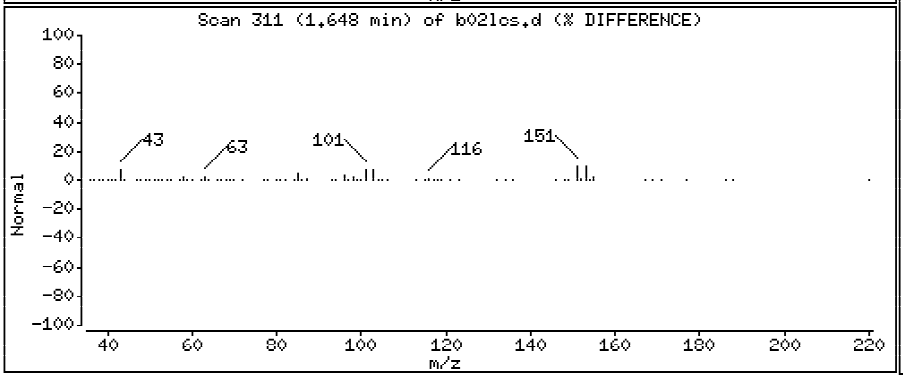












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 14

Date : 06-MAY-2014 12:21

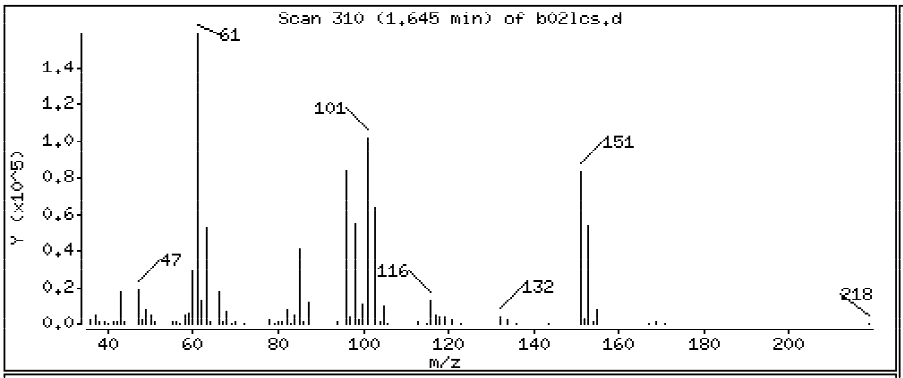
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

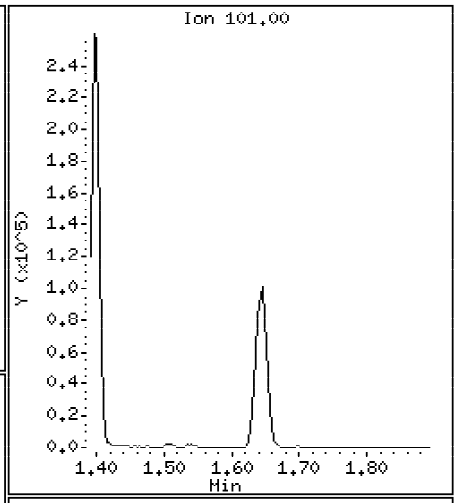
Sample Info: 1088990,65557:5

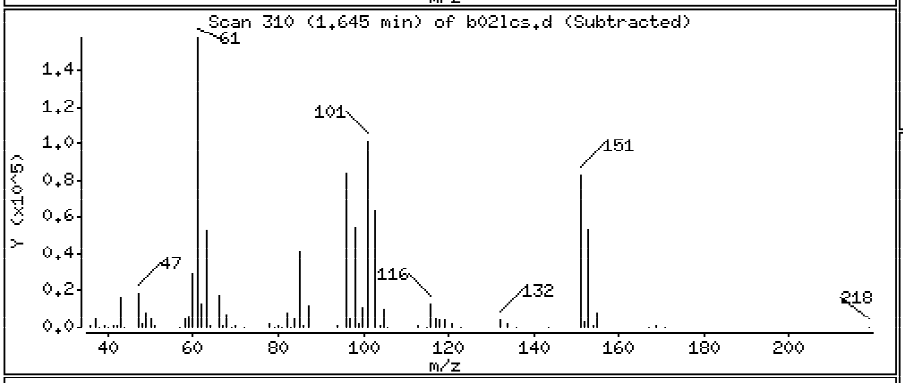
Purge Volume: 5.0 Operator: dae

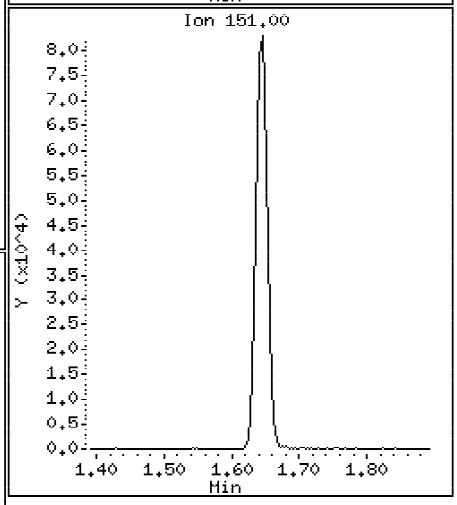
Column phase: DB-624 Column diameter: 0.18

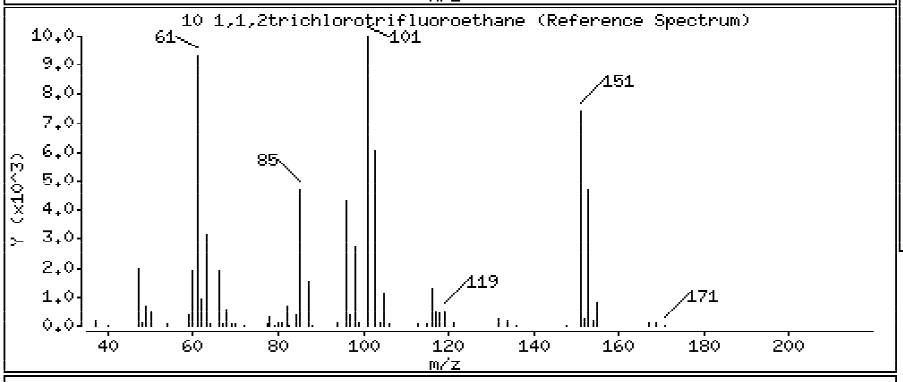
10 1,1,2trichlorotrifluoroethane Concentration: 46.9 ppb

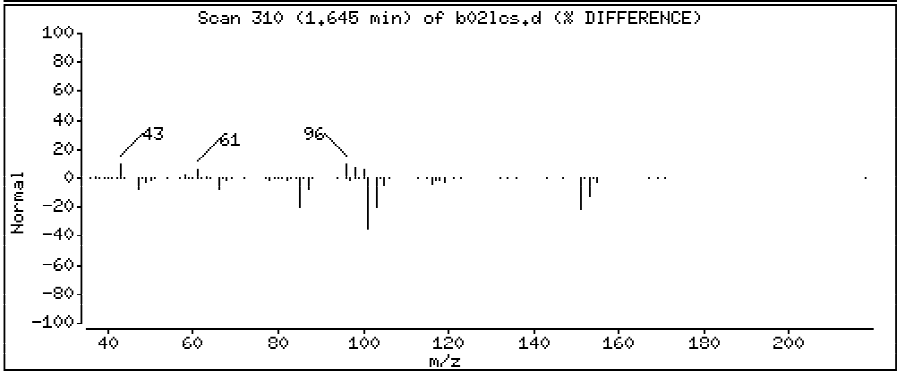












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 15

Date : 06-MAY-2014 12:21

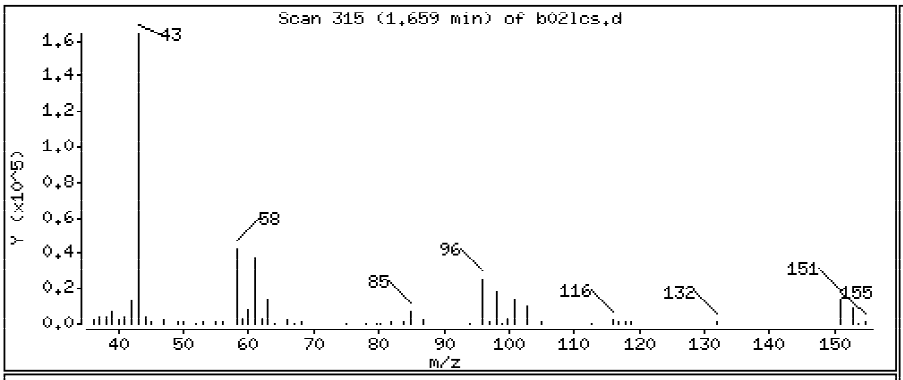
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

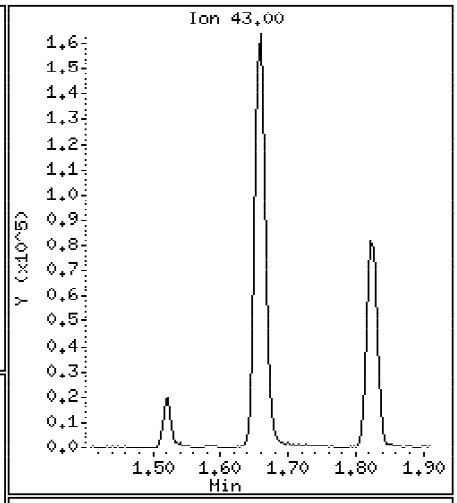
Sample Info: 1088990,65557:5

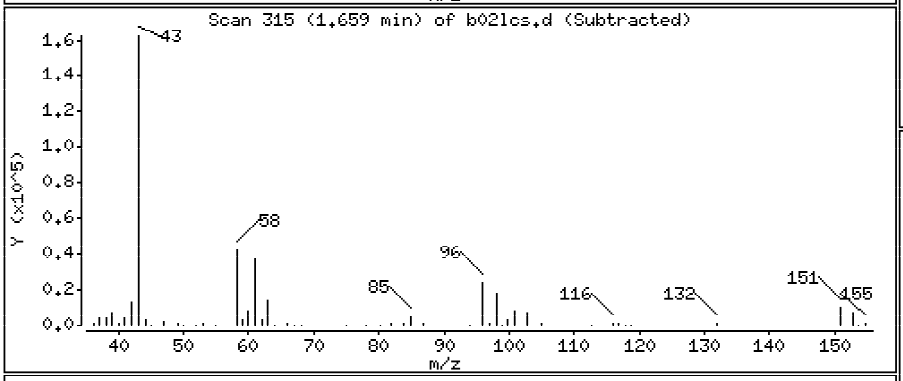
Purge Volume: 5.0 Operator: dae

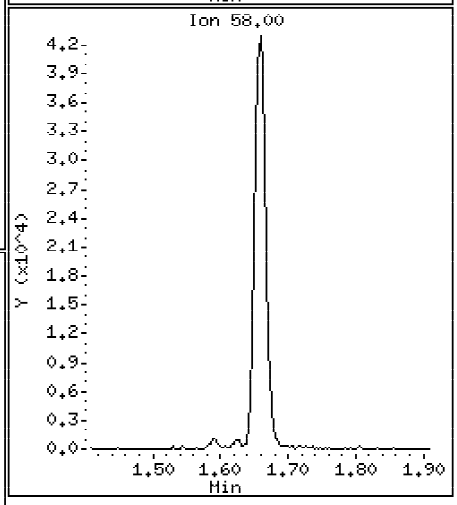
Column phase: DB-624 Column diameter: 0.18

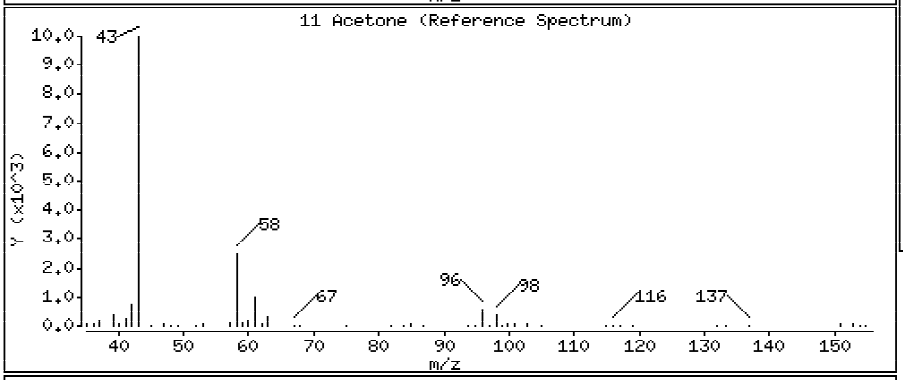
11 Acetone Concentration: 282 ppb

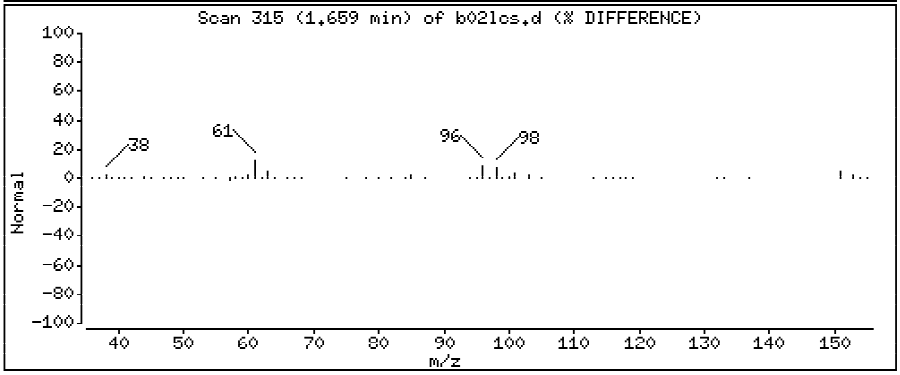












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 16

Date : 06-MAY-2014 12:21

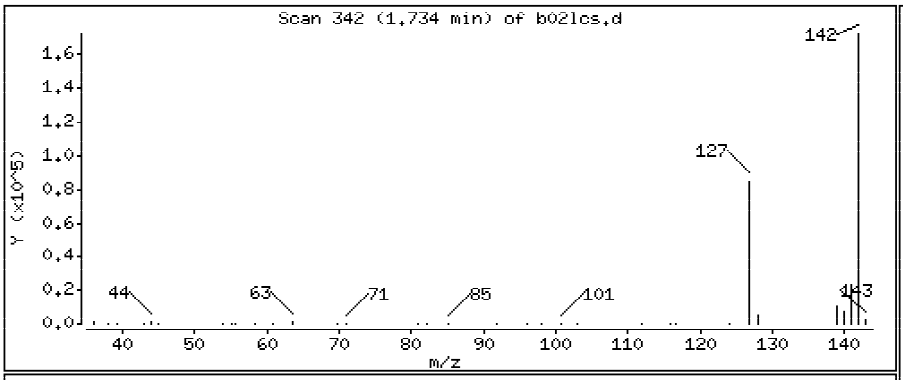
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

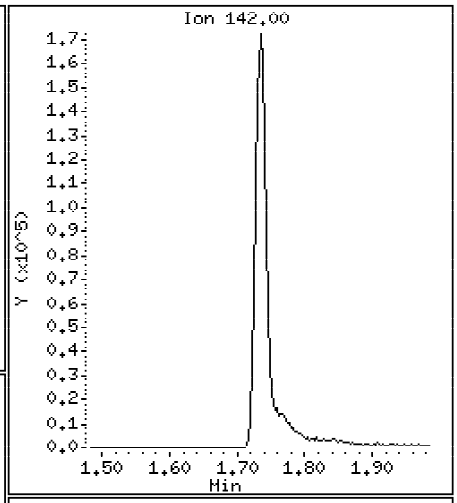
Sample Info: 1088990,65557:5

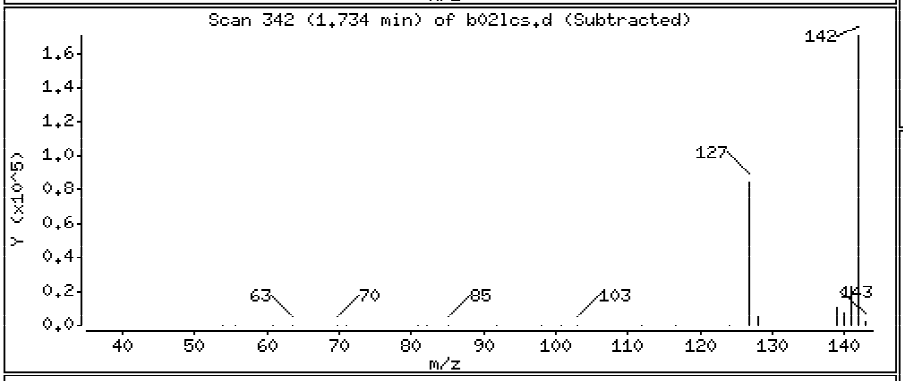
Purge Volume: 5.0 Operator: dae

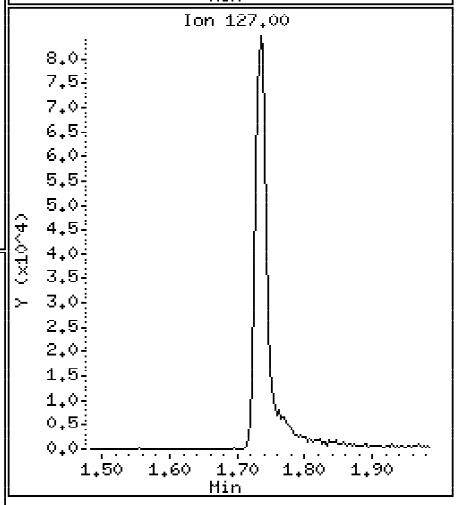
Column phase: DB-624 Column diameter: 0.18

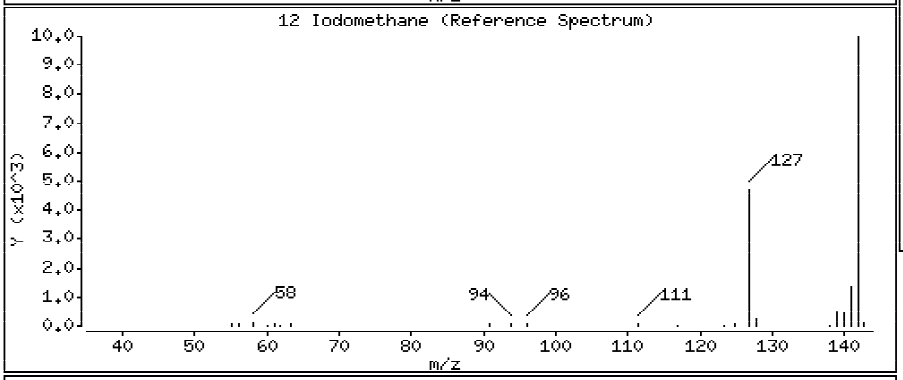
12 Iodomethane Concentration: 103 ppb

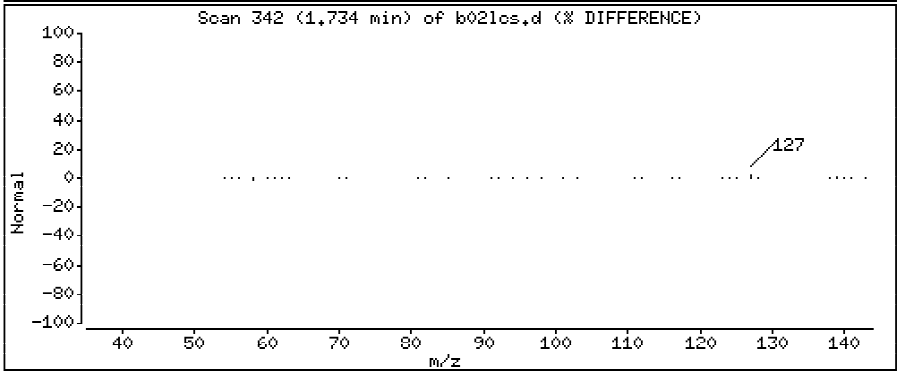












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 17

Date : 06-MAY-2014 12:21

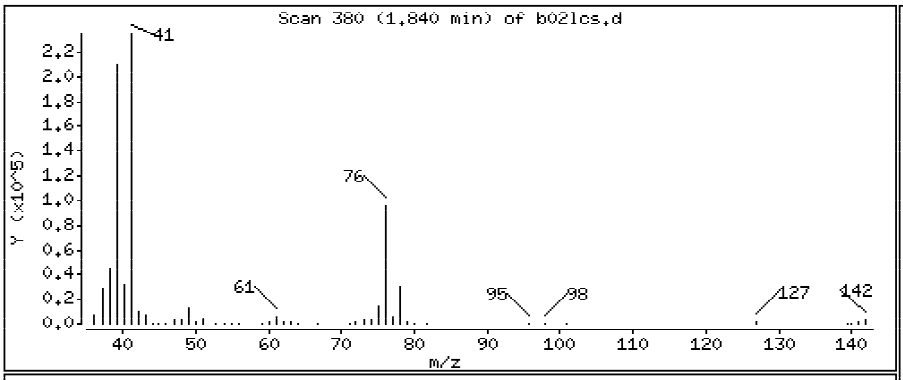
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

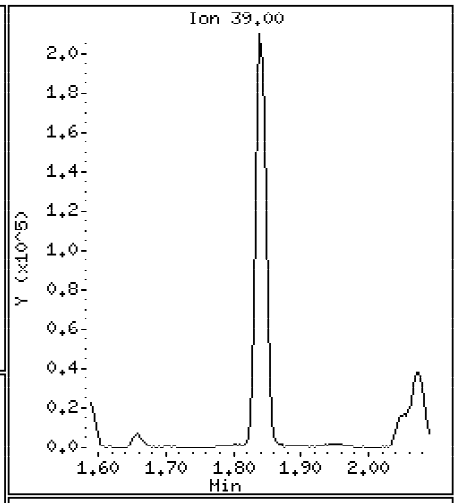
Sample Info: 1088990,65557:5

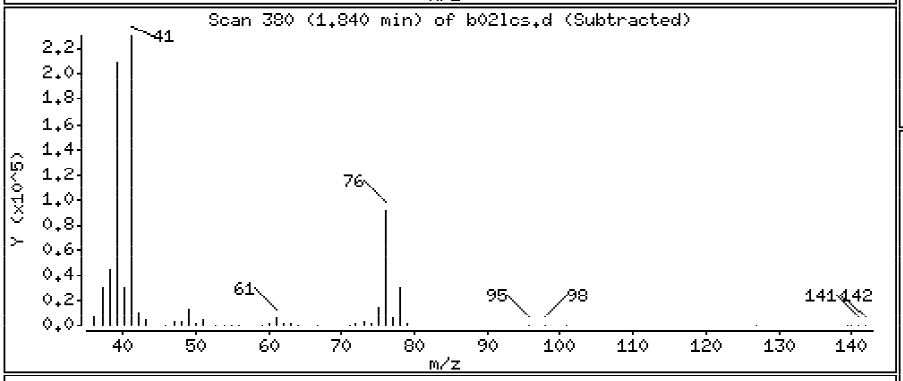
Purge Volume: 5.0 Operator: dae

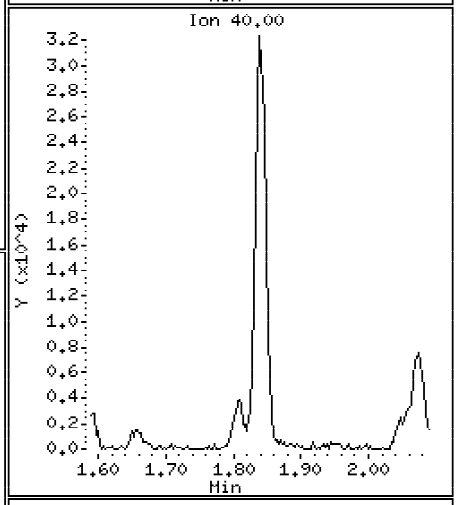
Column phase: DB-624 Column diameter: 0.18

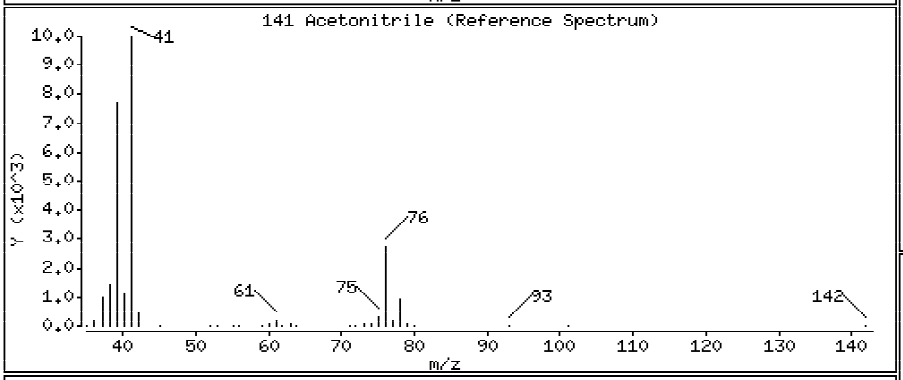
141 Acetonitrile Concentration: 44.8 ppb

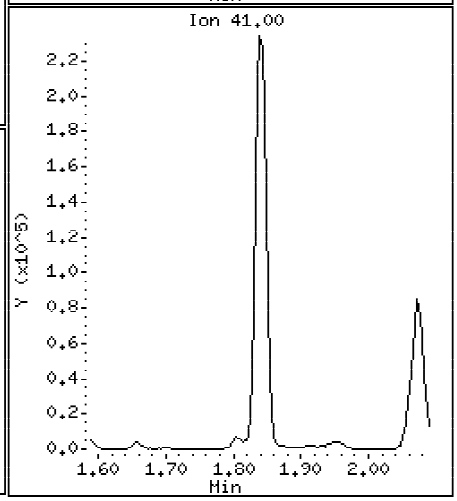


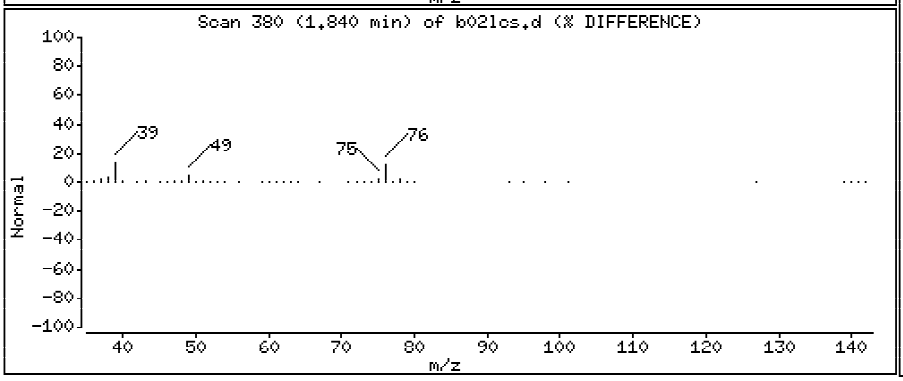












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 18

Date : 06-MAY-2014 12:21

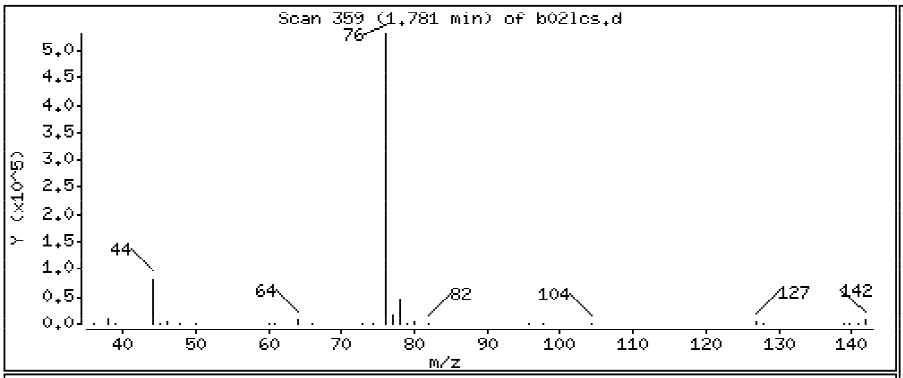
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

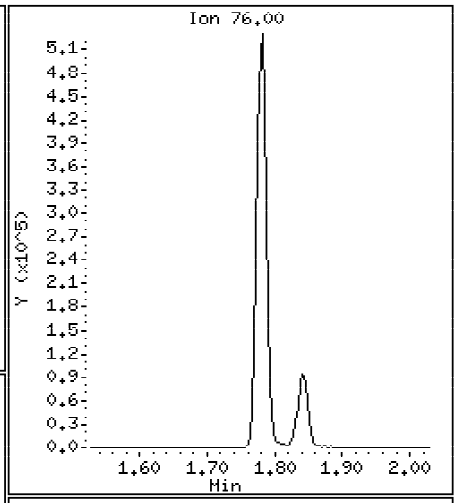
Sample Info: 1088990,65557:5

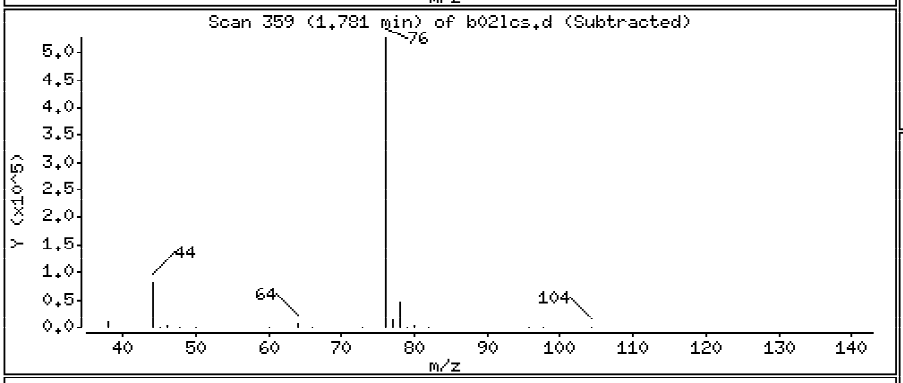
Purge Volume: 5.0 Operator: dae

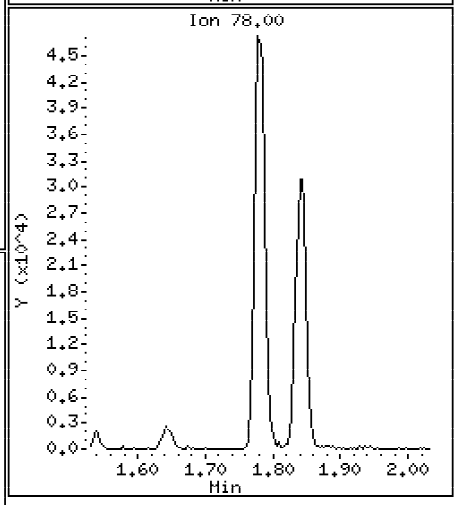
Column phase: DB-624 Column diameter: 0.18

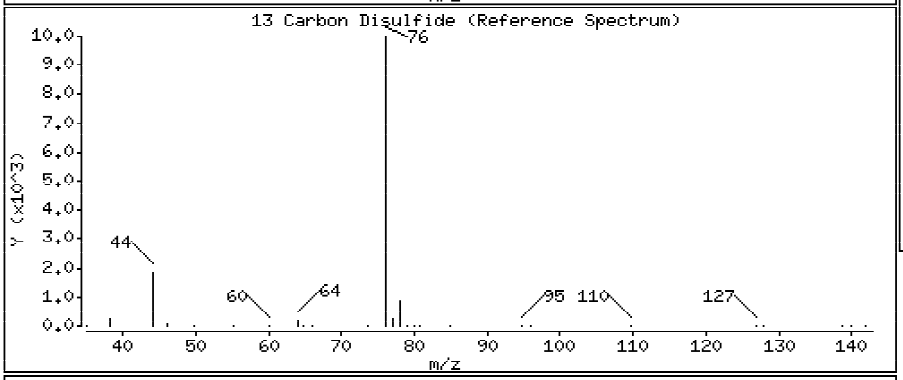
13 Carbon Disulfide Concentration: 94.0 ppb

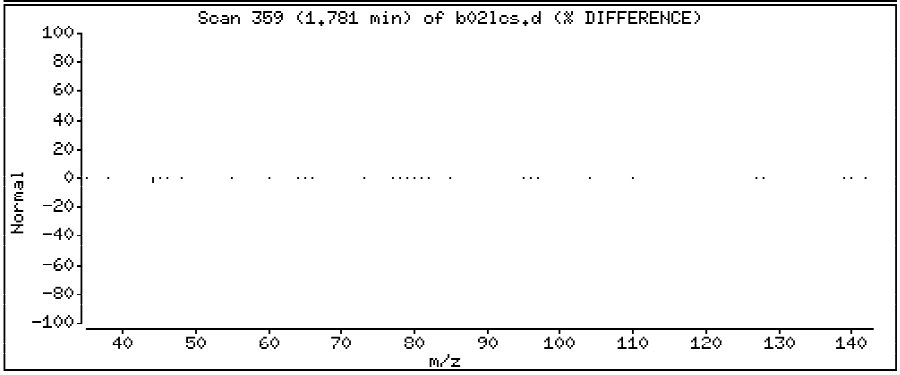












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 19

Date : 06-MAY-2014 12:21

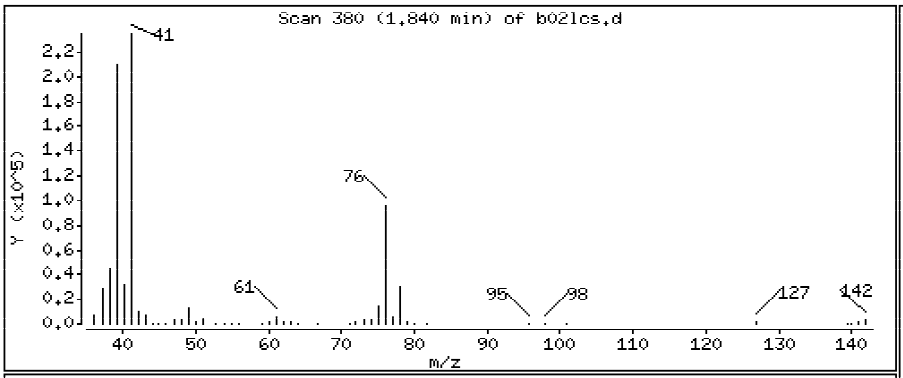
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

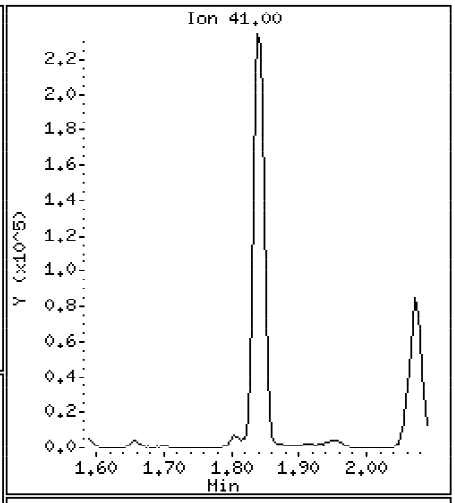
Sample Info: 1088990,65557:5

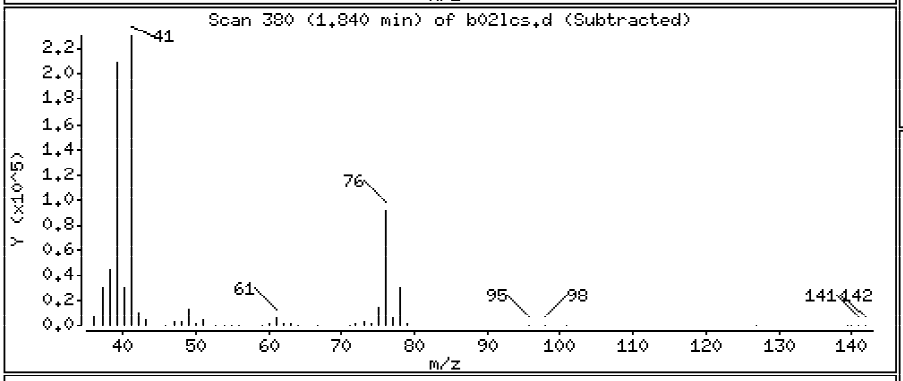
Purge Volume: 5.0 Operator: dae

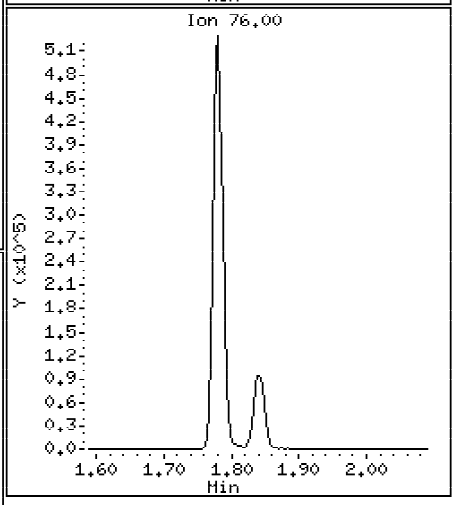
Column phase: DB-624 Column diameter: 0.18

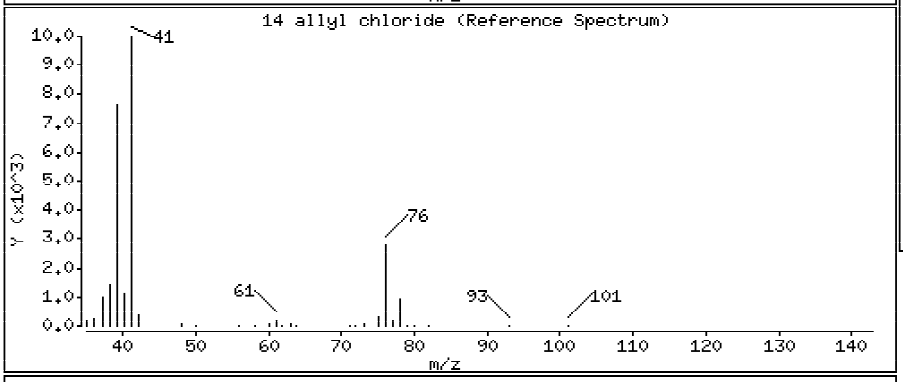
14 allyl chloride Concentration: 91.8 ppb

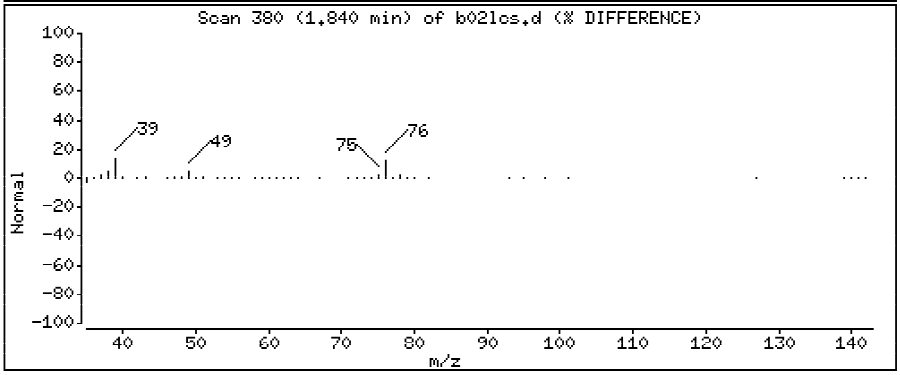












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 20

Date : 06-MAY-2014 12:21

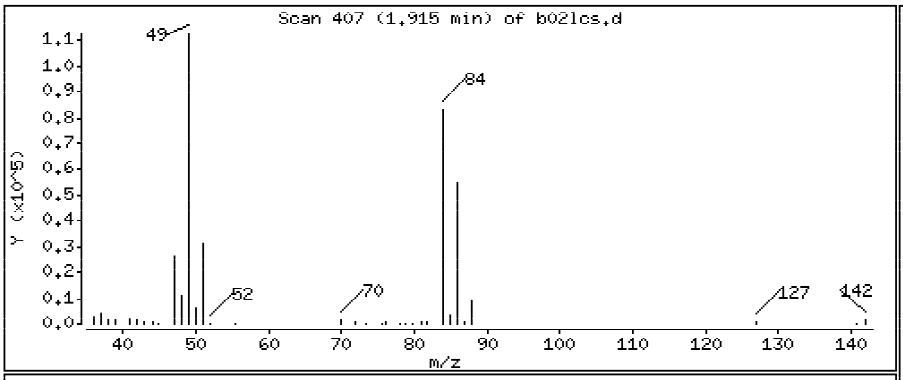
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

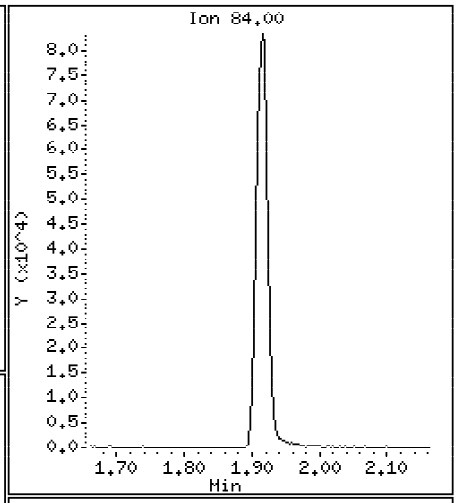
Sample Info: 1088990,65557:5

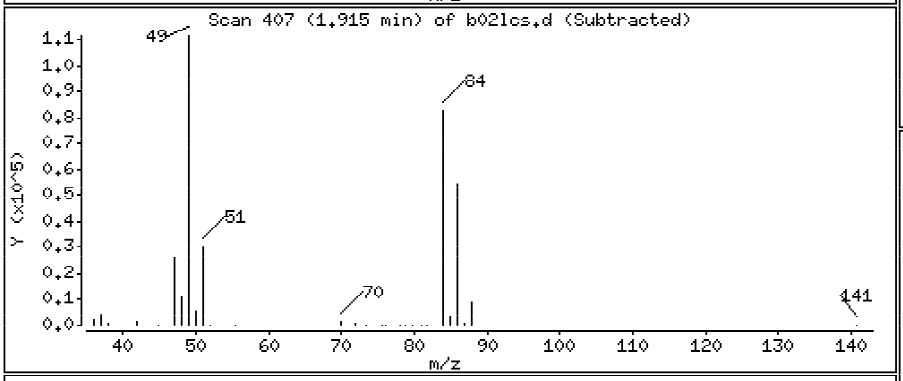
Purge Volume: 5.0 Operator: dae

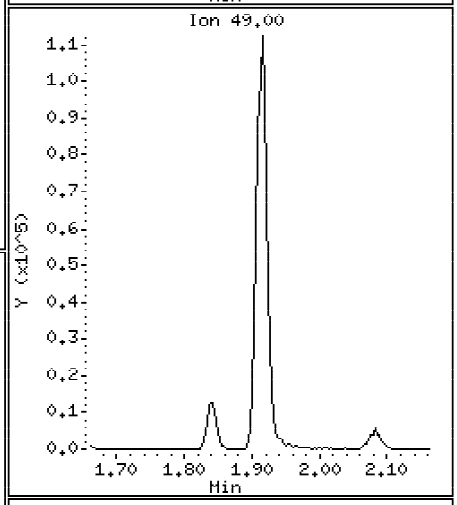
Column phase: DB-624 Column diameter: 0.18

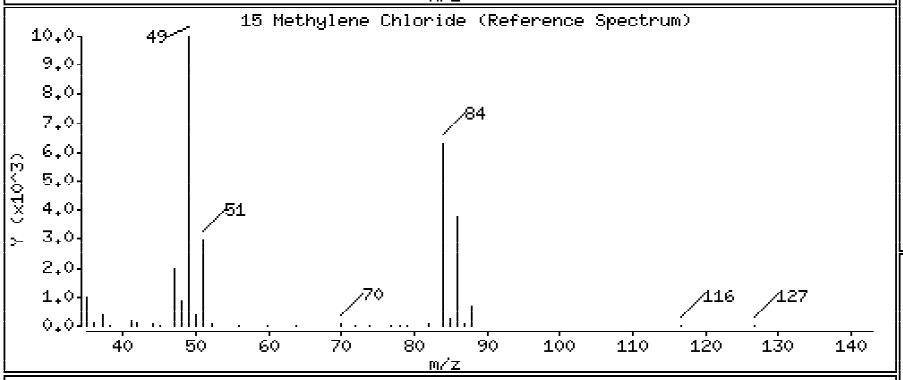
15 Methylene Chloride Concentration: 48.5 ppb

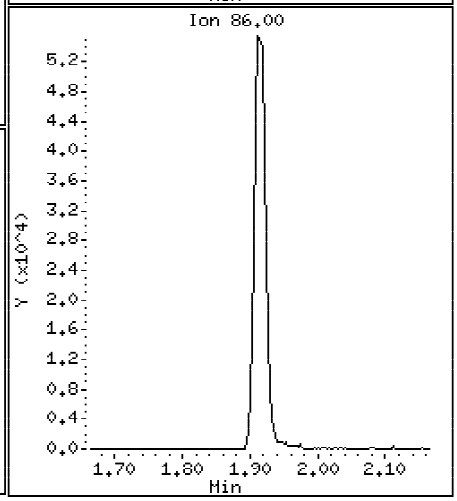


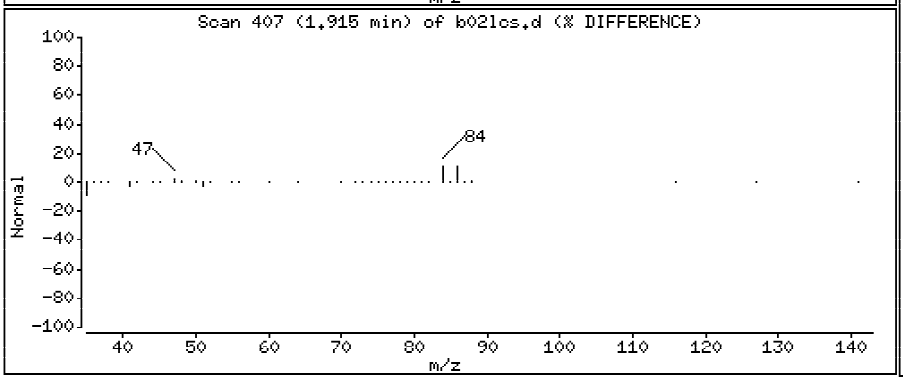












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 21

Date : 06-MAY-2014 12:21

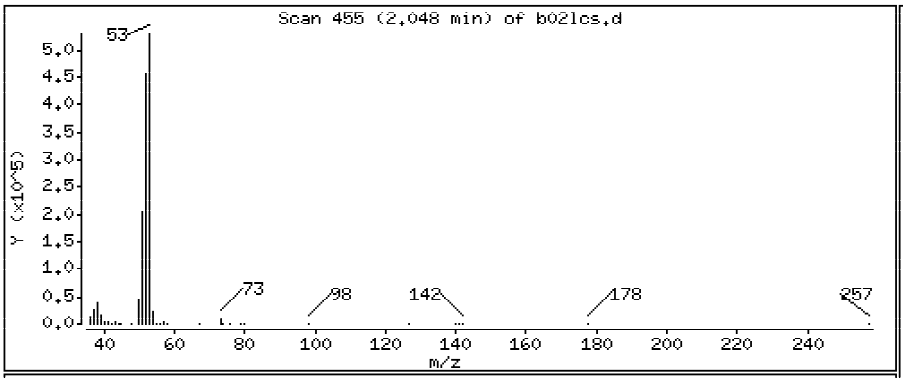
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

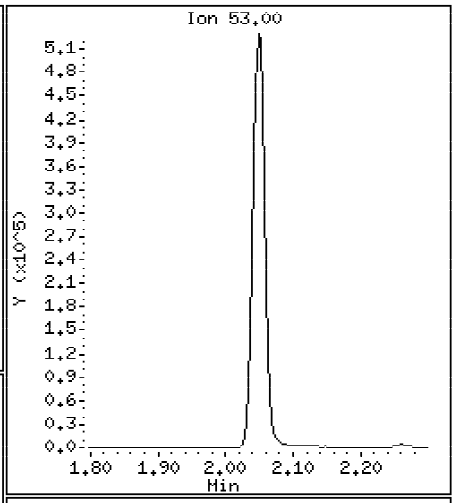
Sample Info: 1088990,65557:5

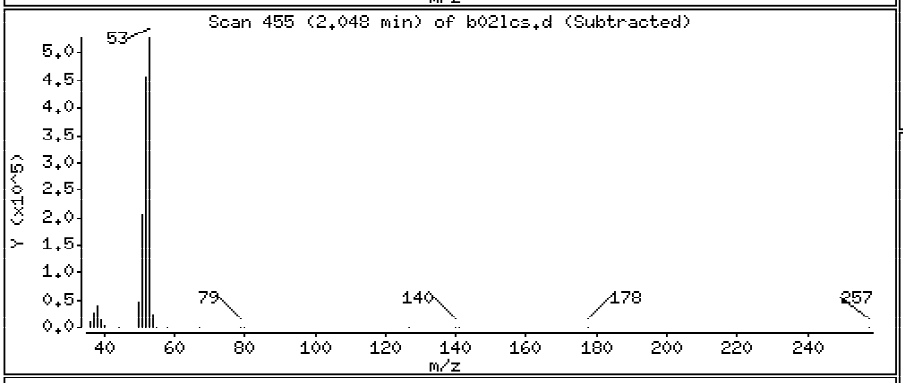
Purge Volume: 5.0 Operator: dae

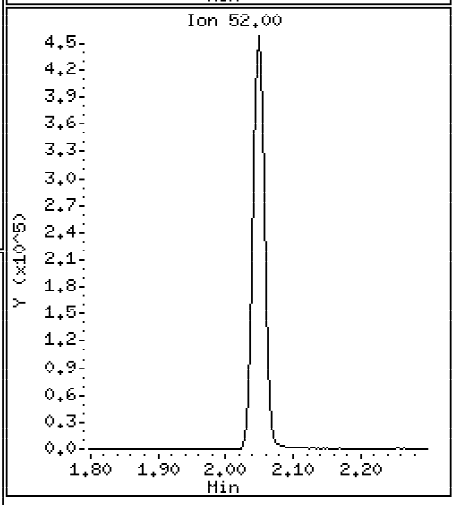
Column phase: DB-624 Column diameter: 0.18

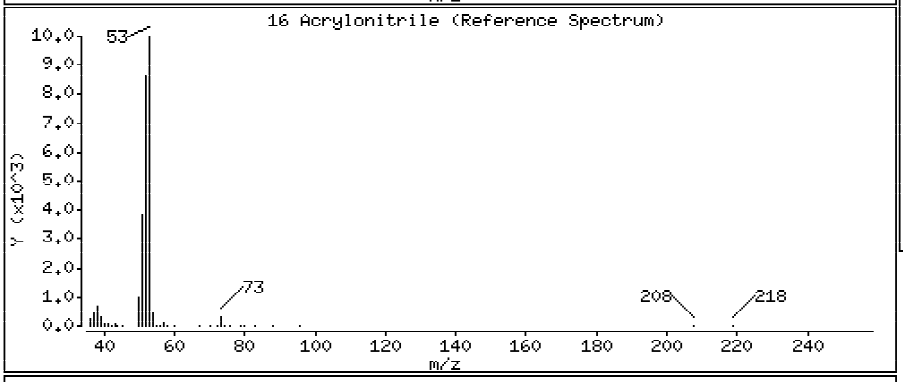
16 Acrylonitrile Concentration: 773 ppb

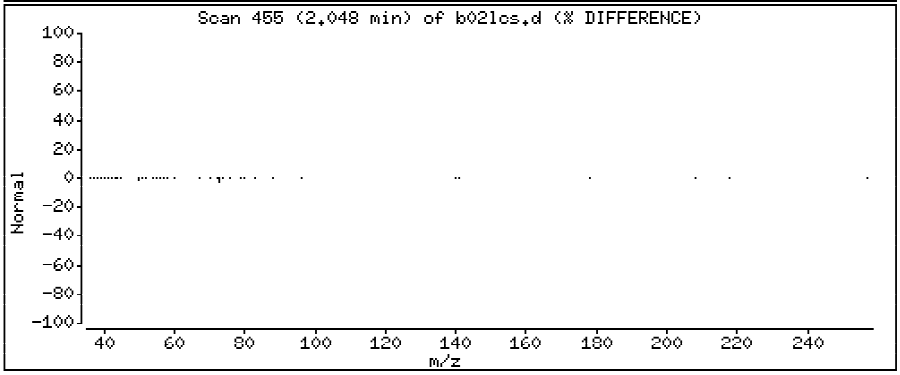












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 22

Date : 06-MAY-2014 12:21

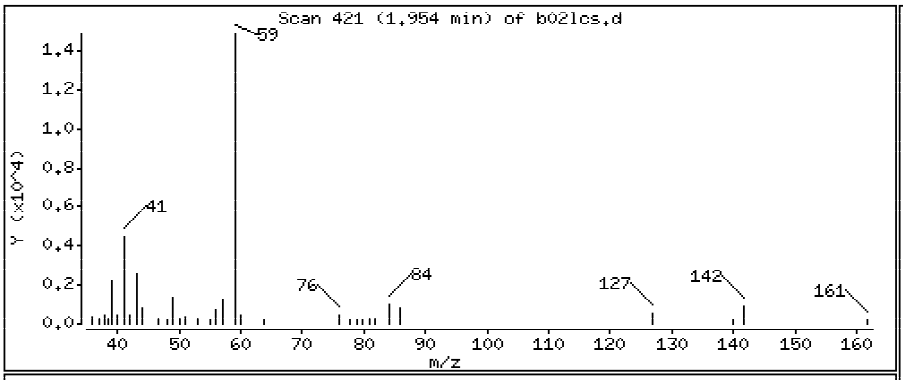
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

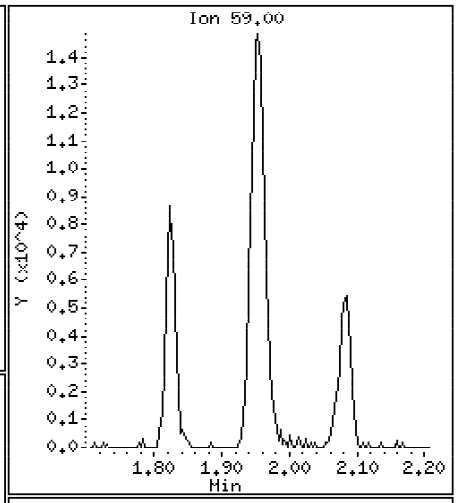
Sample Info: 1088990,65557:5

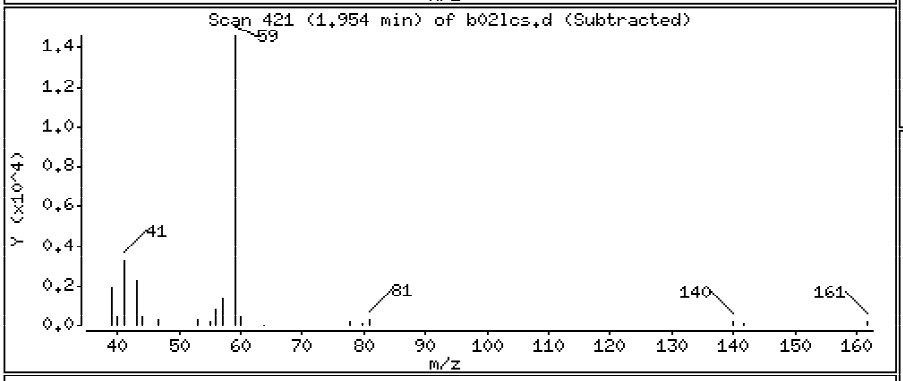
Purge Volume: 5.0 Operator: dae

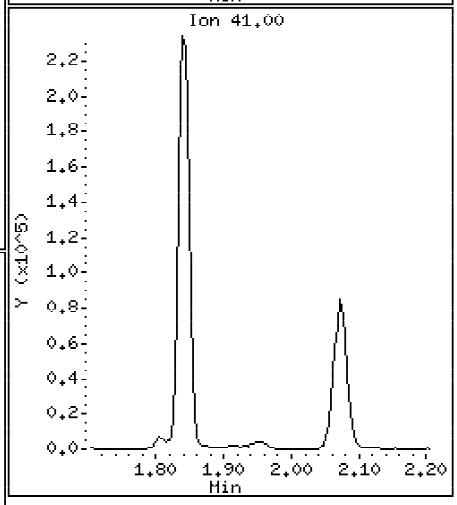
Column phase: DB-624 Column diameter: 0.18

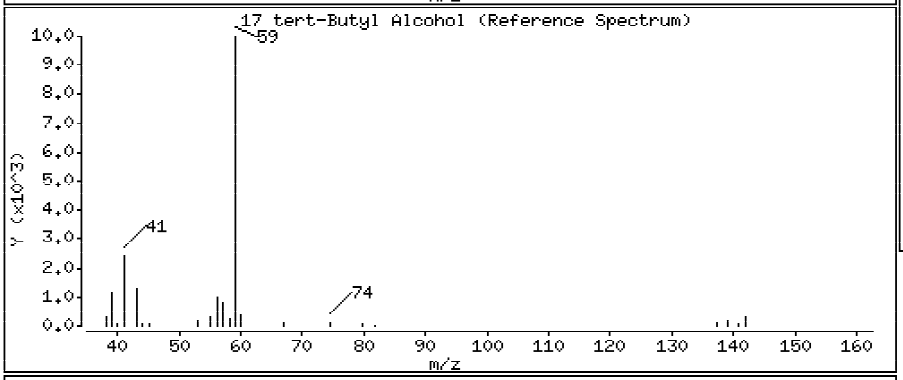
17 tert-Butyl Alcohol Concentration: 88.2 ppb

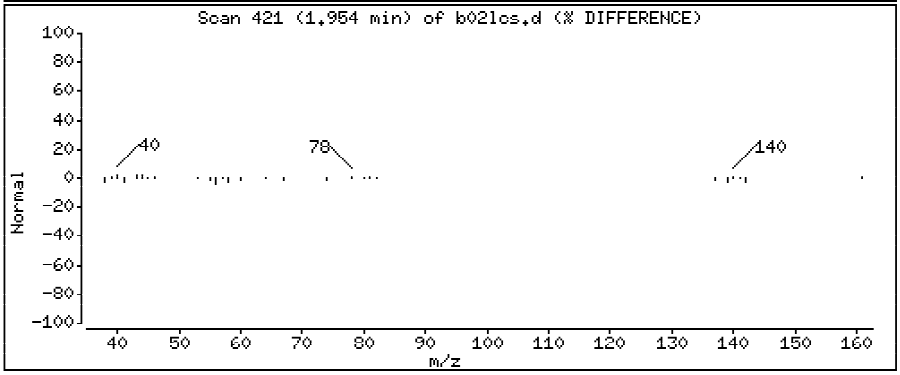












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 23

Date : 06-MAY-2014 12:21

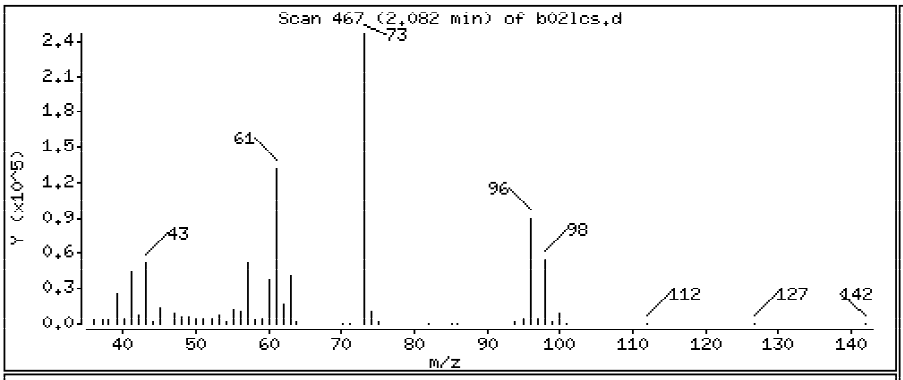
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

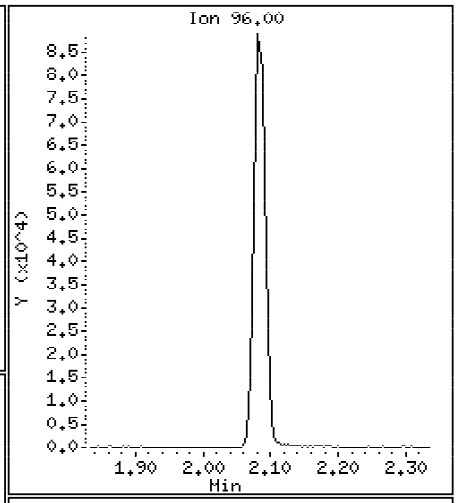
Sample Info: 1088990,65557:5

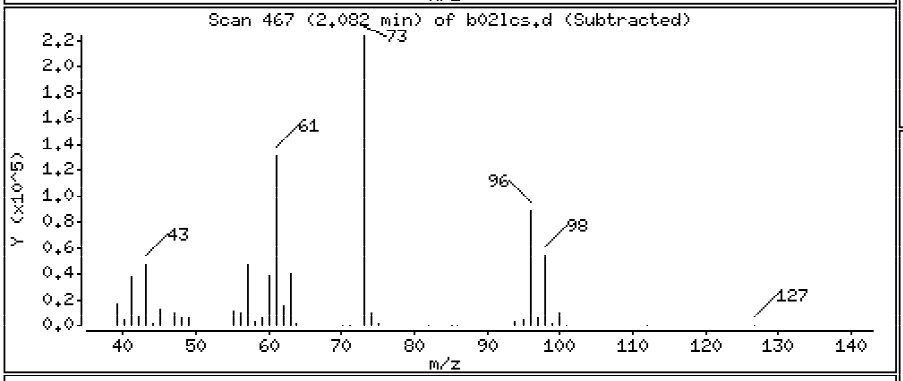
Purge Volume: 5.0 Operator: dae

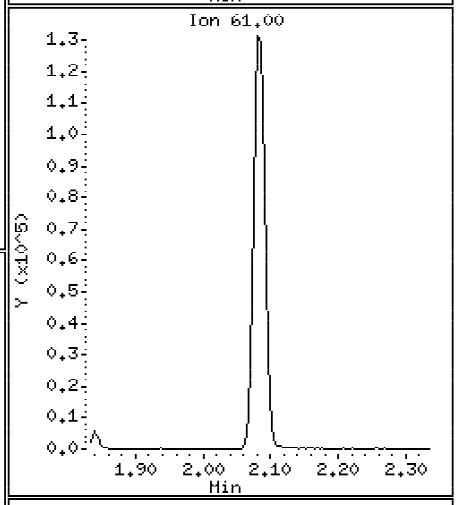
Column phase: DB-624 Column diameter: 0.18

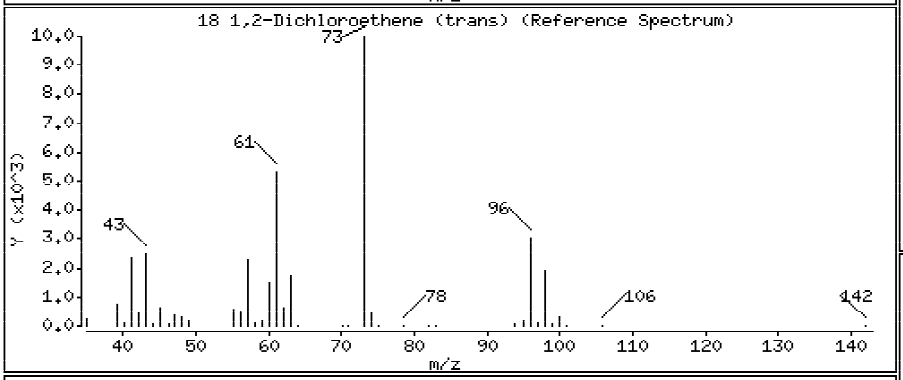
18 1,2-Dichloroethene (trans) Concentration: 45.9 ppb

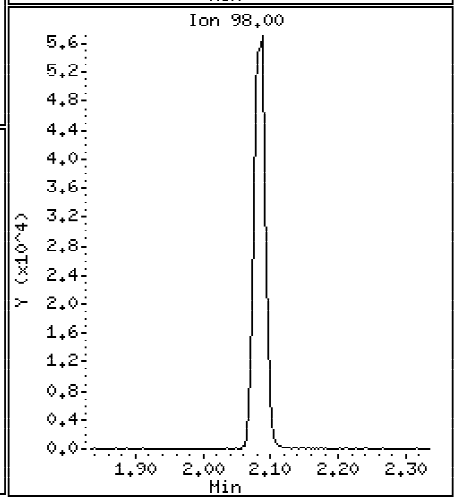


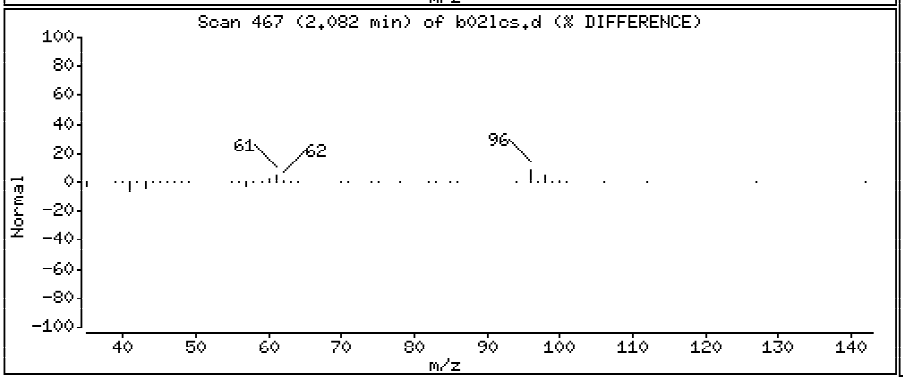












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 24

Date : 06-MAY-2014 12:21

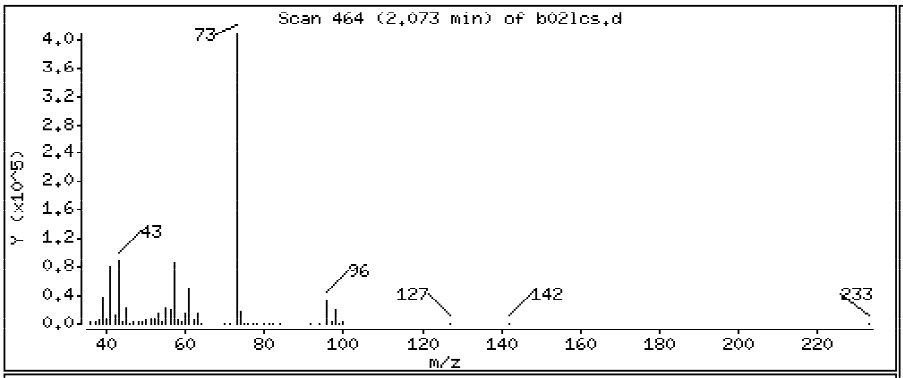
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

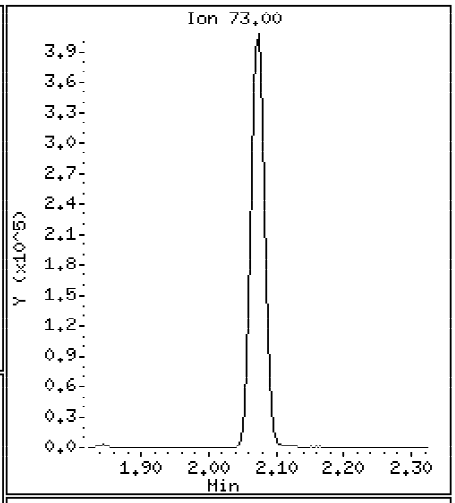
Sample Info: 1088990,65557:5

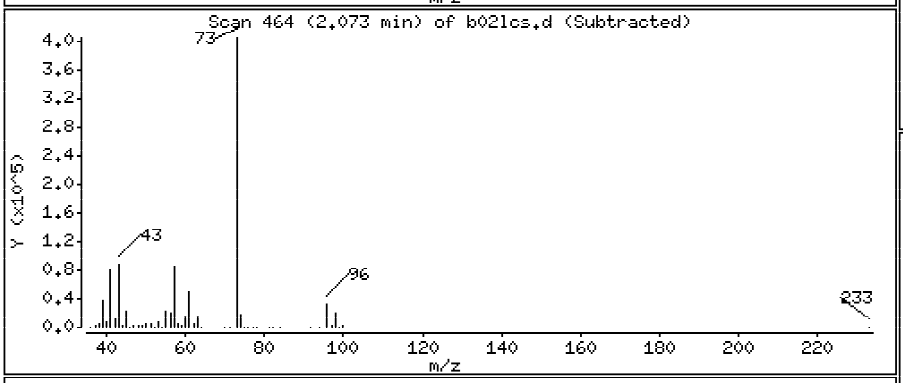
Purge Volume: 5.0 Operator: dae

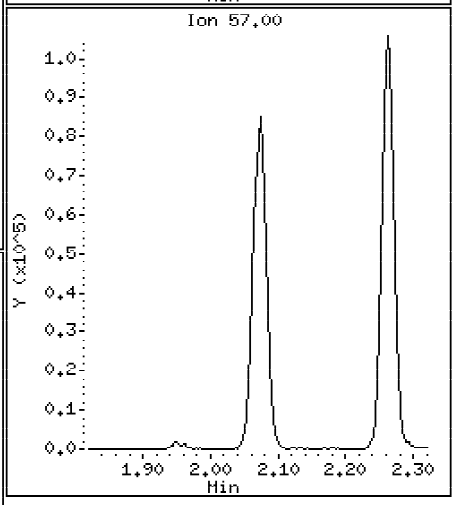
Column phase: DB-624 Column diameter: 0.18

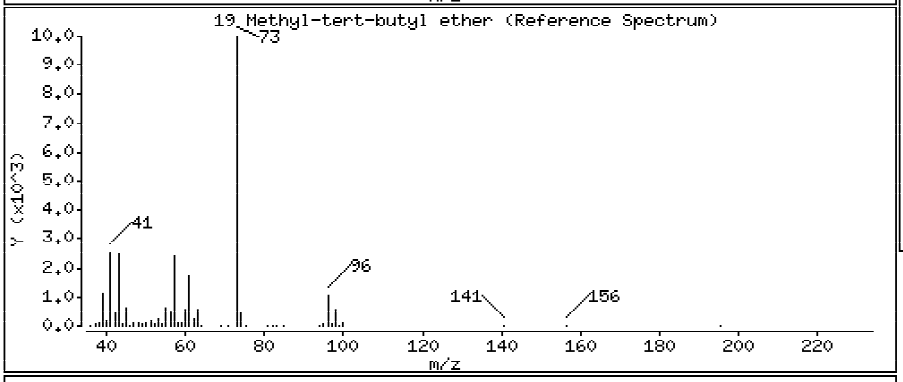
19 Methyl-tert-butyl ether Concentration: 89.7 ppb

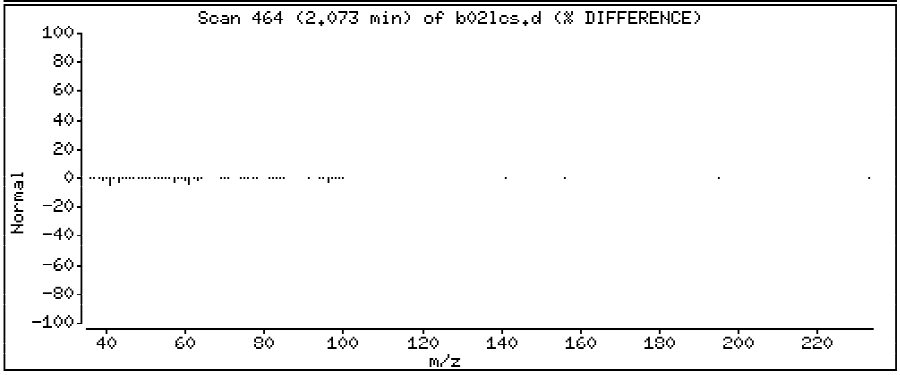












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 25

Date : 06-MAY-2014 12:21

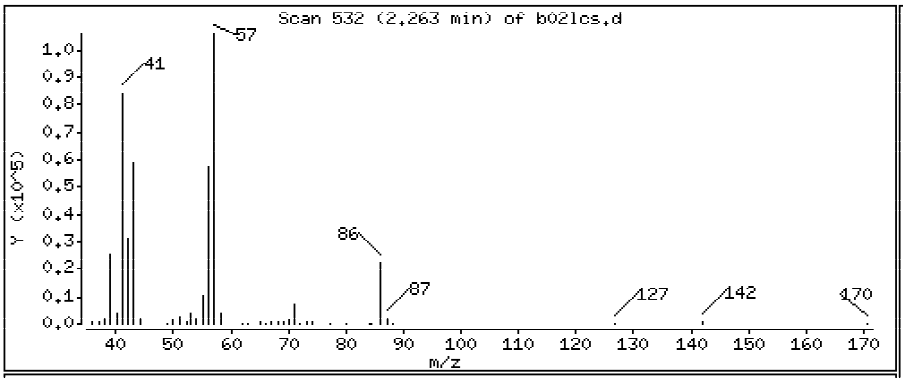
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

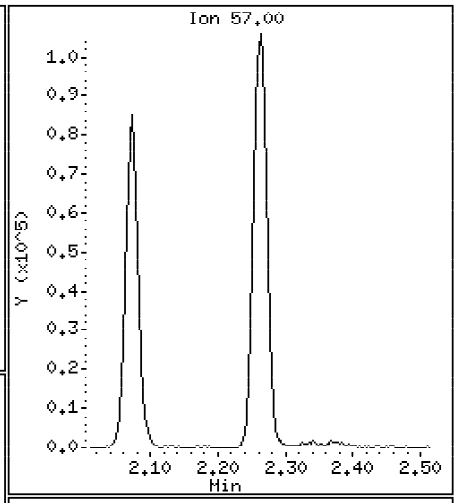
Sample Info: 1088990,65557:5

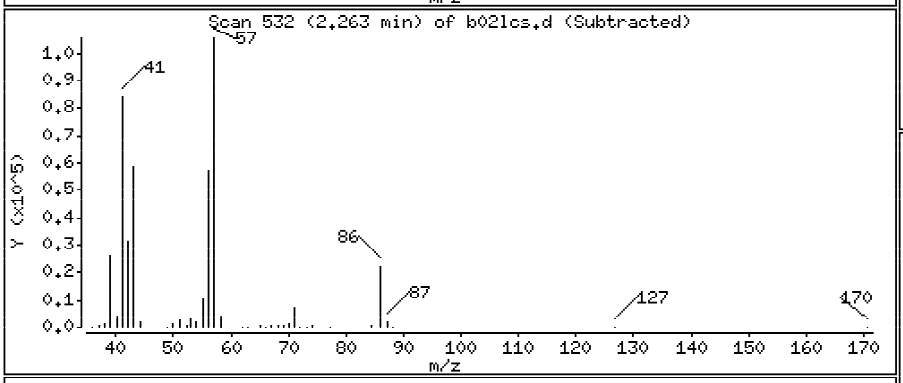
Purge Volume: 5.0 Operator: dae

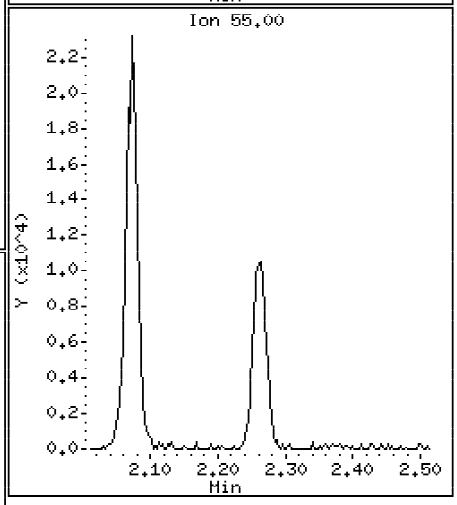
Column phase: DB-624 Column diameter: 0.18

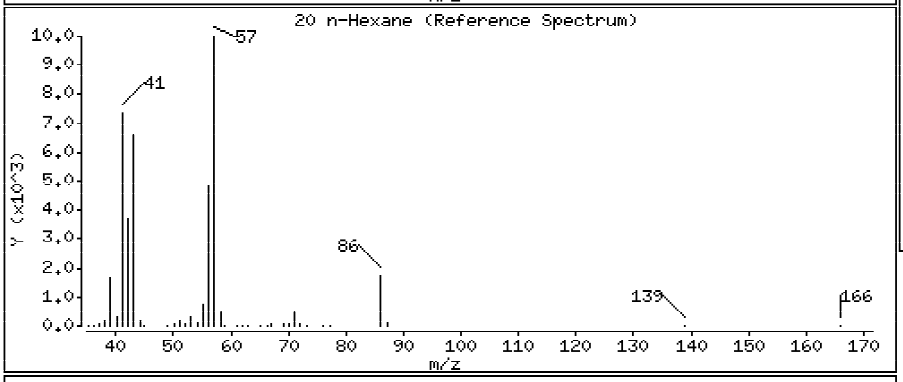
20 n-Hexane Concentration: 43.0 ppb

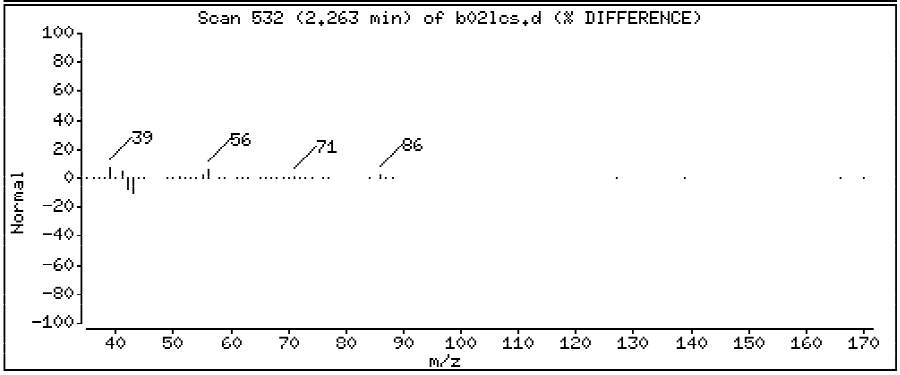












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 26

Date : 06-MAY-2014 12:21

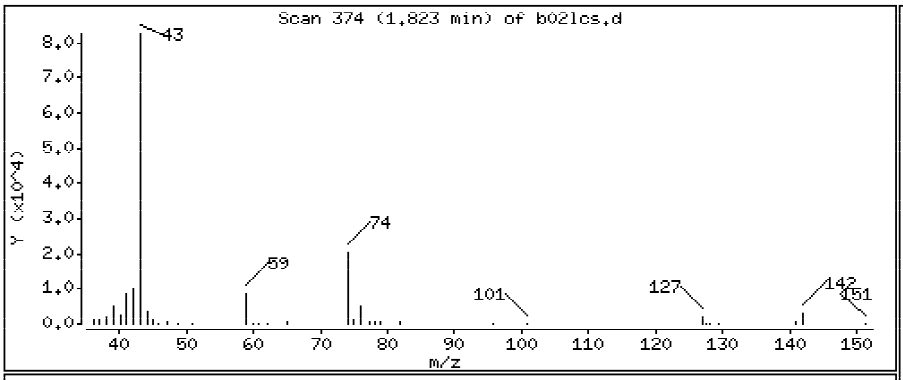
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

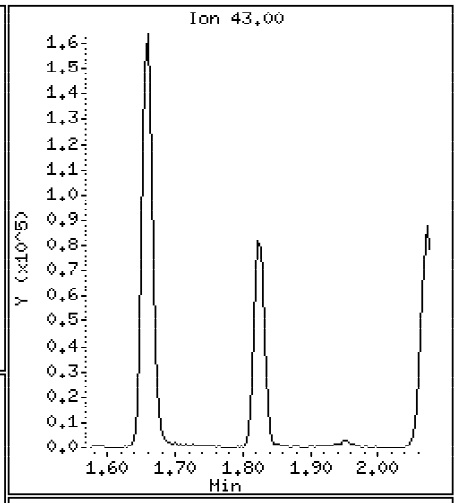
Sample Info: 1088990,65557:5

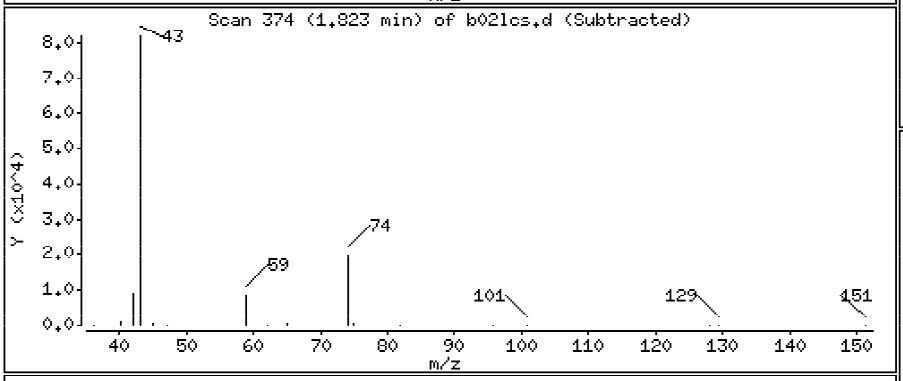
Purge Volume: 5.0 Operator: dae

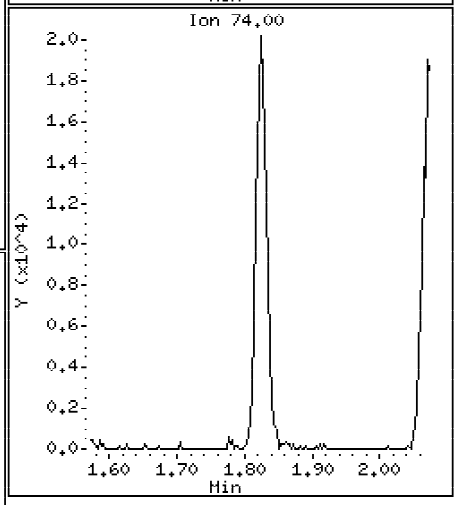
Column phase: DB-624 Column diameter: 0.18

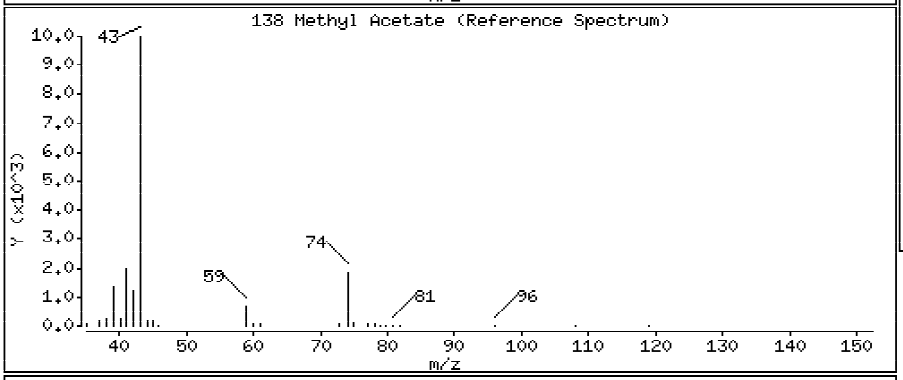
138 Methyl Acetate Concentration: 46.8 ppb

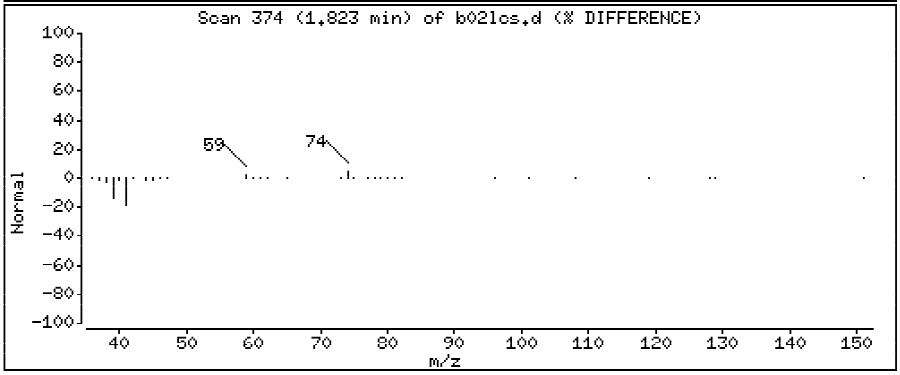












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 27

Date : 06-MAY-2014 12:21

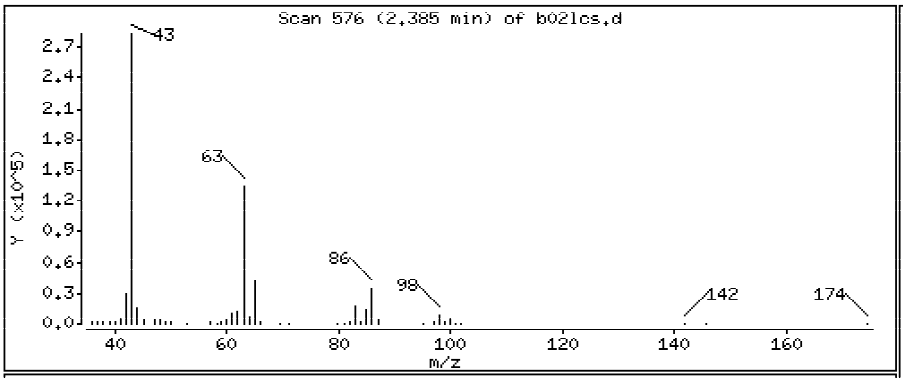
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

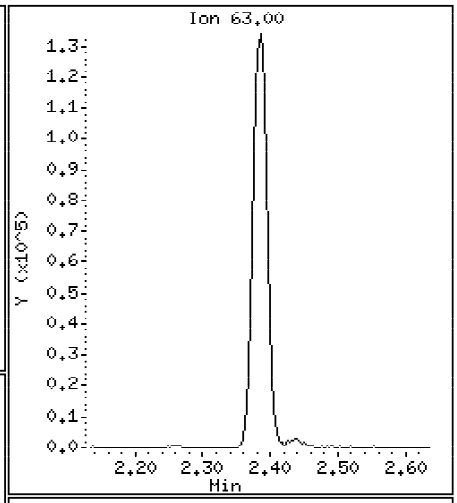
Sample Info: 1088990,65557:5

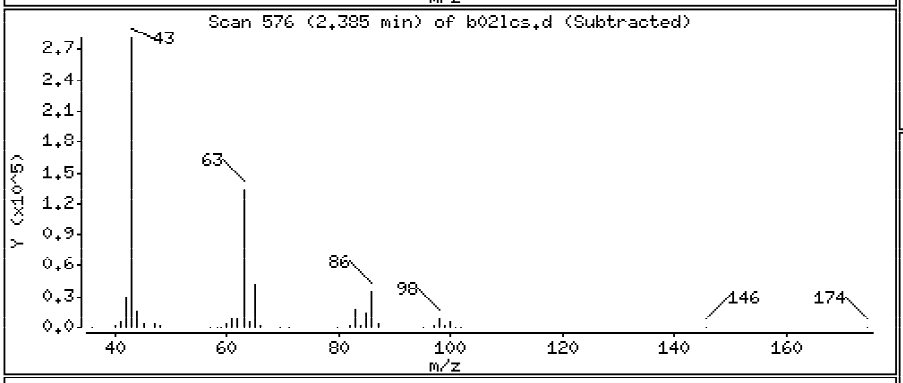
Purge Volume: 5.0 Operator: dae

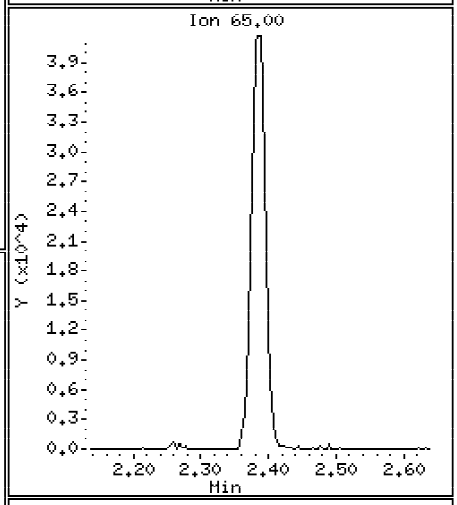
Column phase: DB-624 Column diameter: 0.18

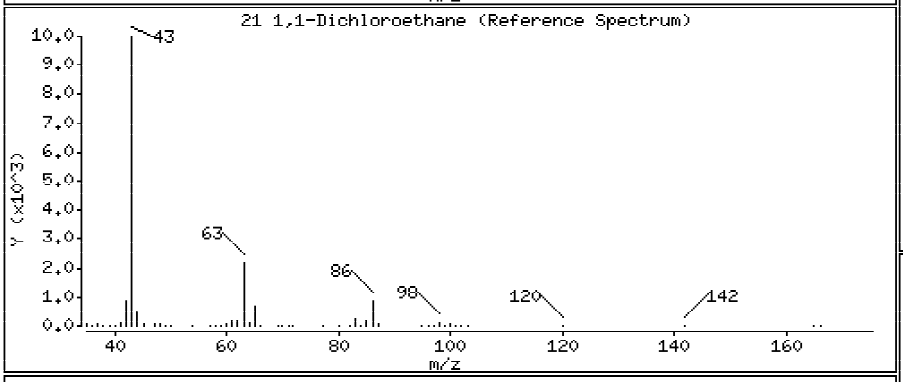
21 1,1-Dichloroethane Concentration: 40.5 ppb

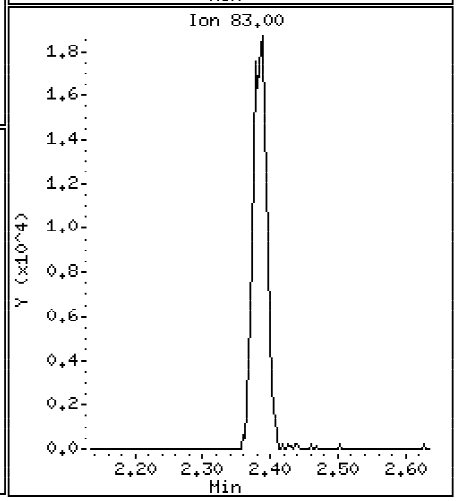


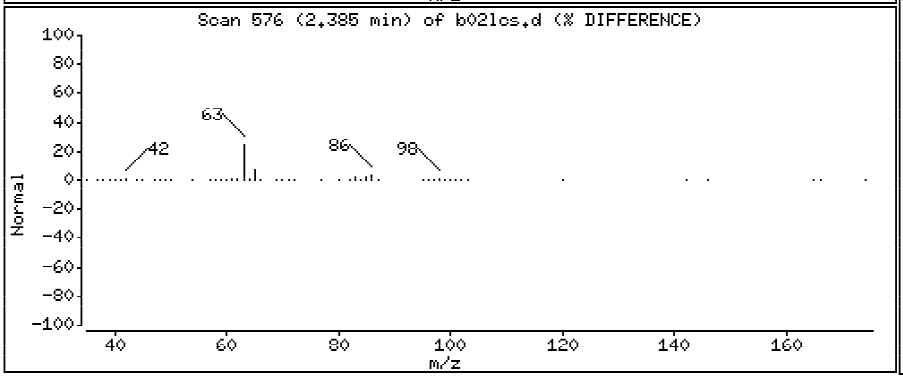












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 28

Date : 06-MAY-2014 12:21

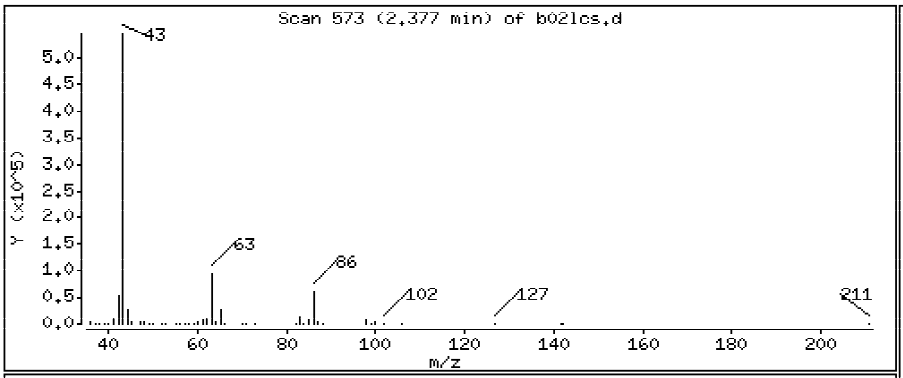
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

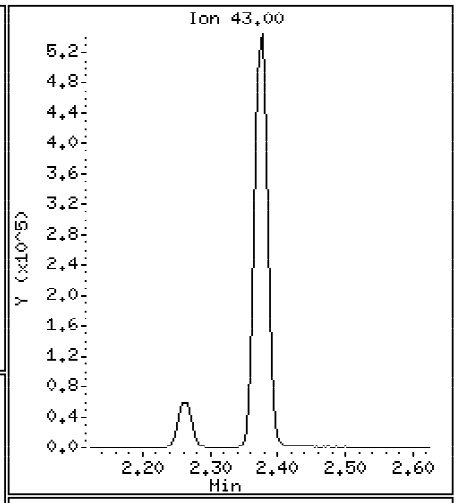
Sample Info: 1088990,65557:5

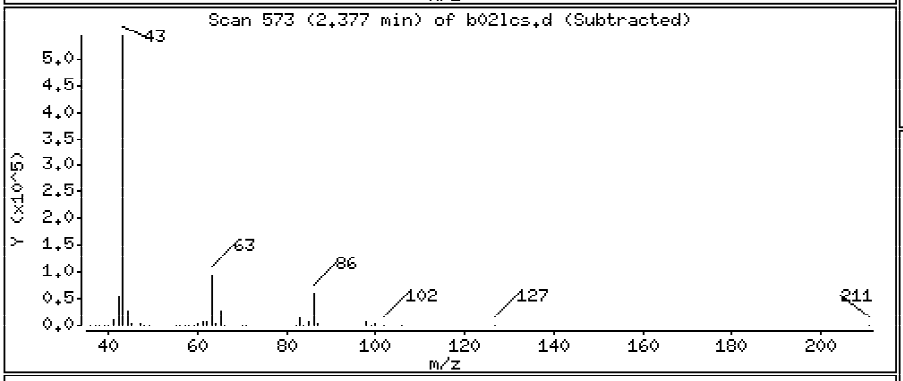
Purge Volume: 5.0 Operator: dae

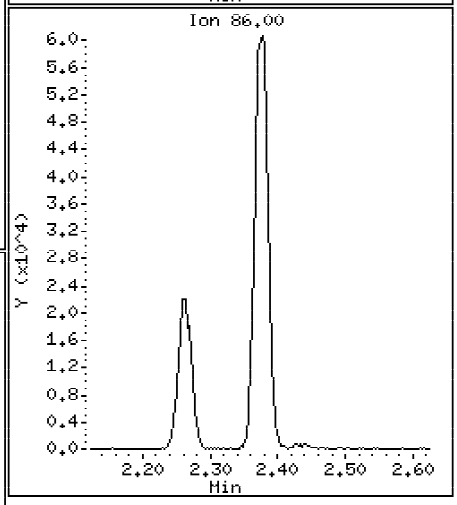
Column phase: DB-624 Column diameter: 0.18

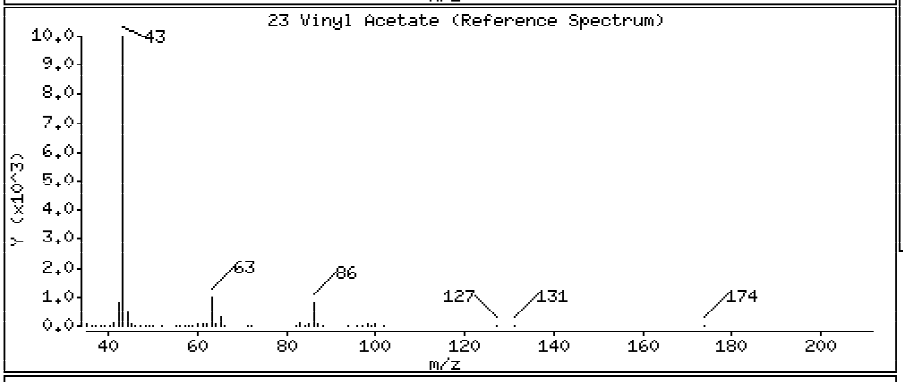
23 Vinyl Acetate Concentration: 169 ppb

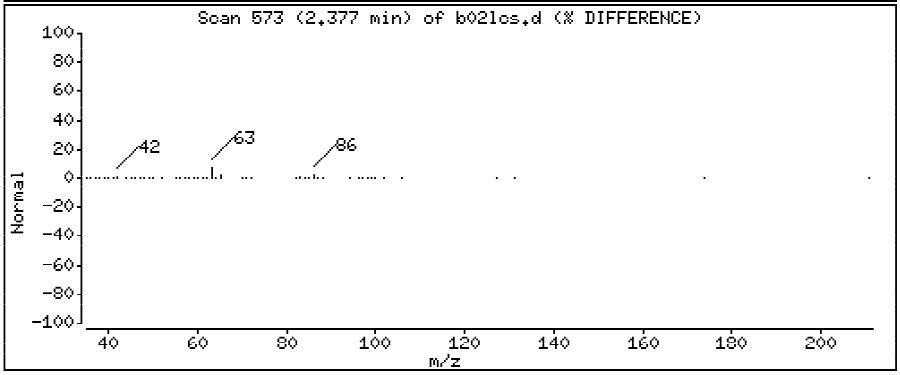












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 29

Date : 06-MAY-2014 12:21

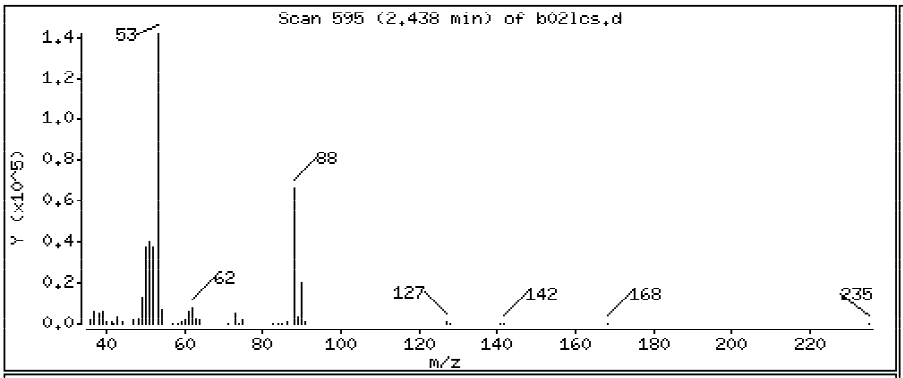
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

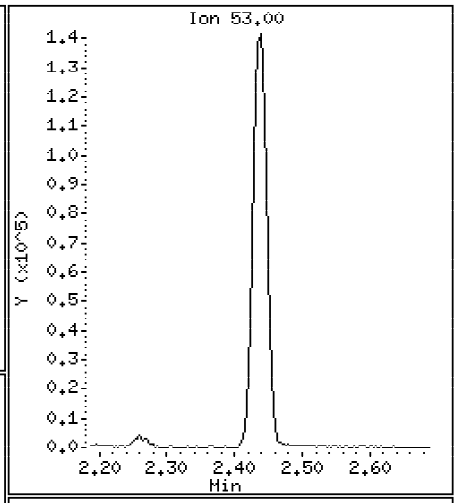
Sample Info: 1088990,65557:5

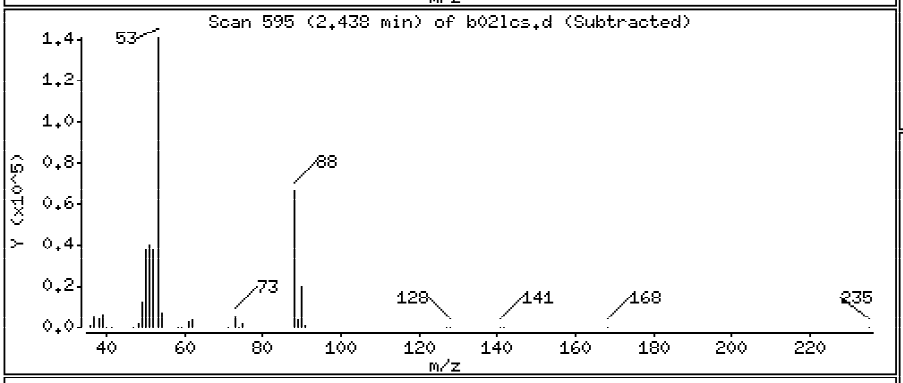
Purge Volume: 5.0 Operator: dae

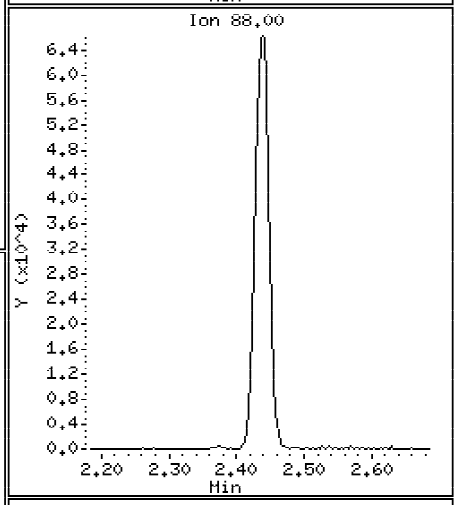
Column phase: DB-624 Column diameter: 0.18

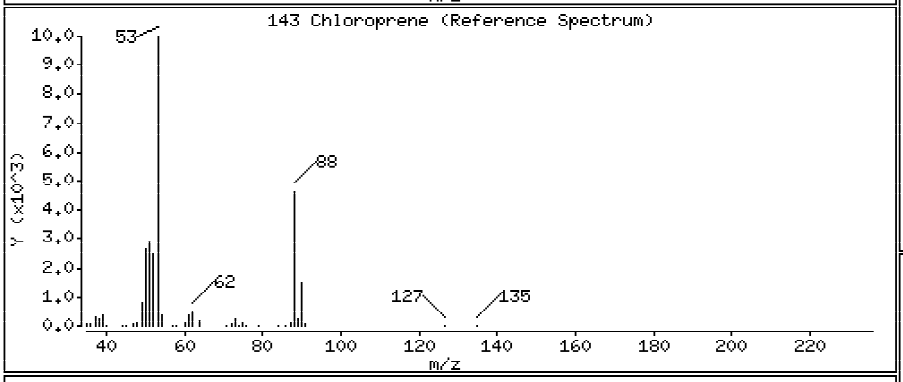
143 Chloroprene Concentration: 44.8 ppb

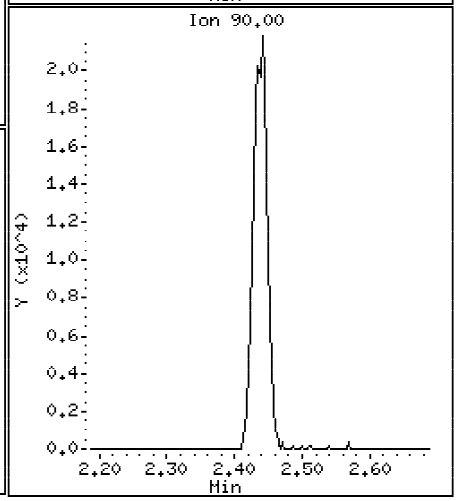


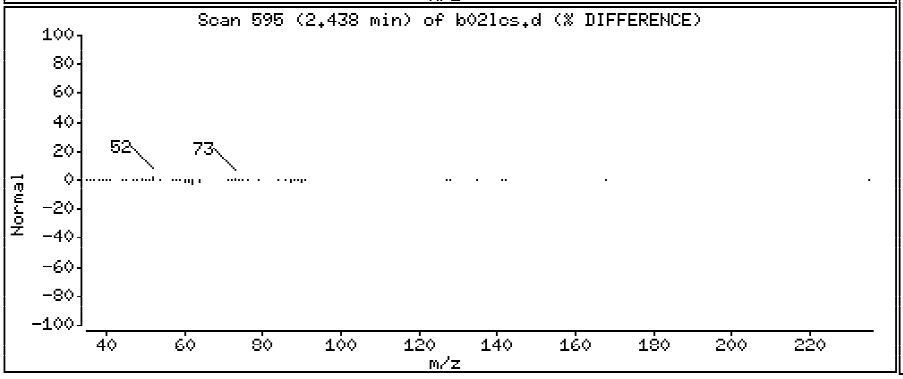












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 30

Date : 06-MAY-2014 12:21

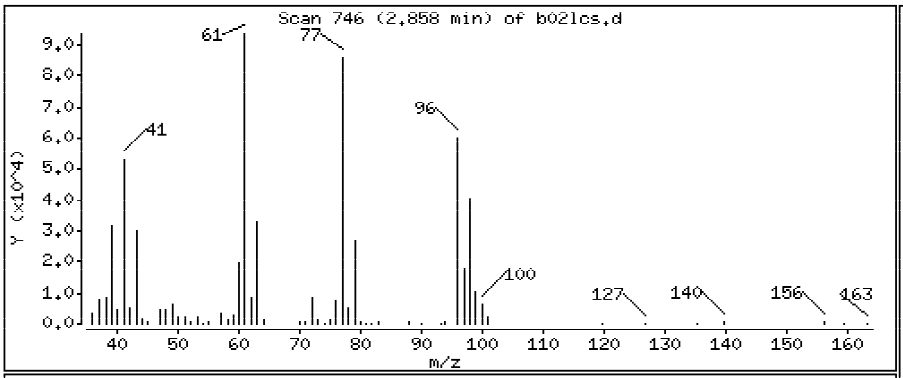
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

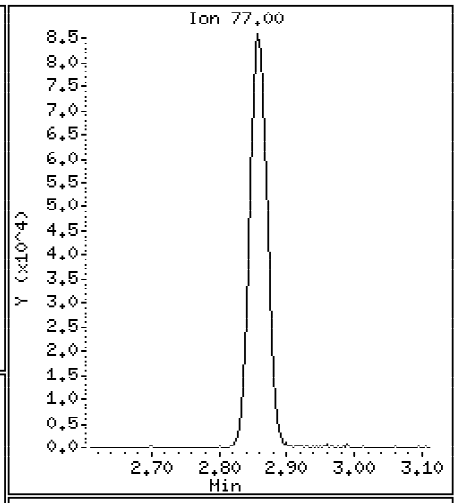
Sample Info: 1088990,65557:5

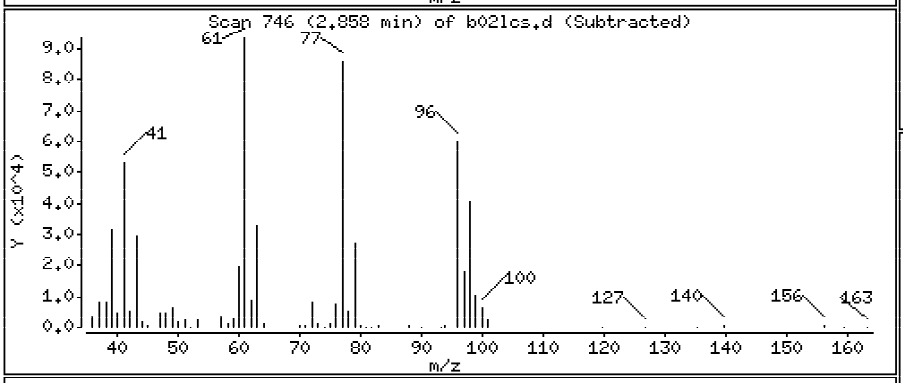
Purge Volume: 5.0 Operator: dae

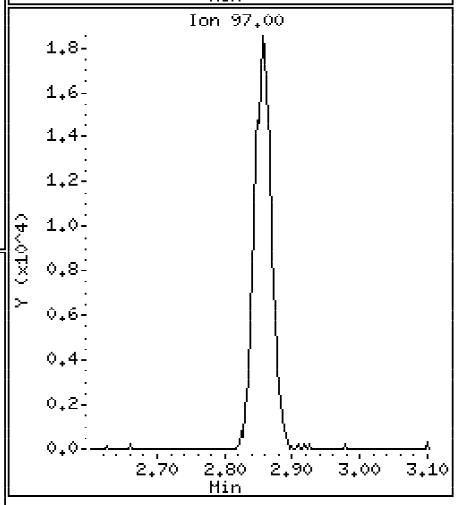
Column phase: DB-624 Column diameter: 0.18

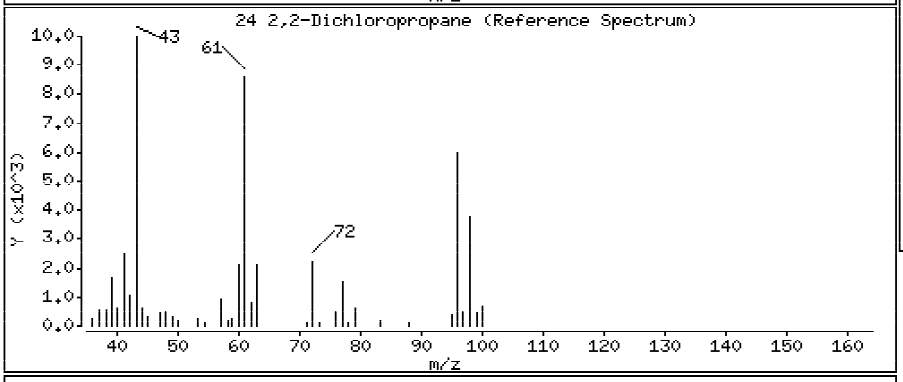
24 2,2-Dichloropropane Concentration: 52.3 ppb

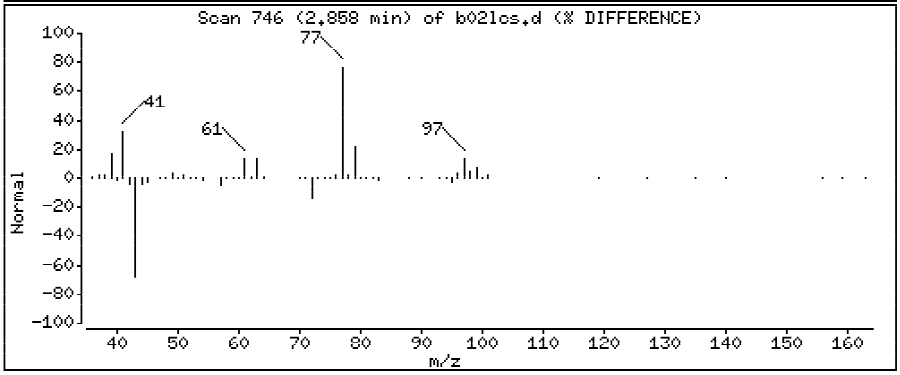












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 31

Date : 06-MAY-2014 12:21

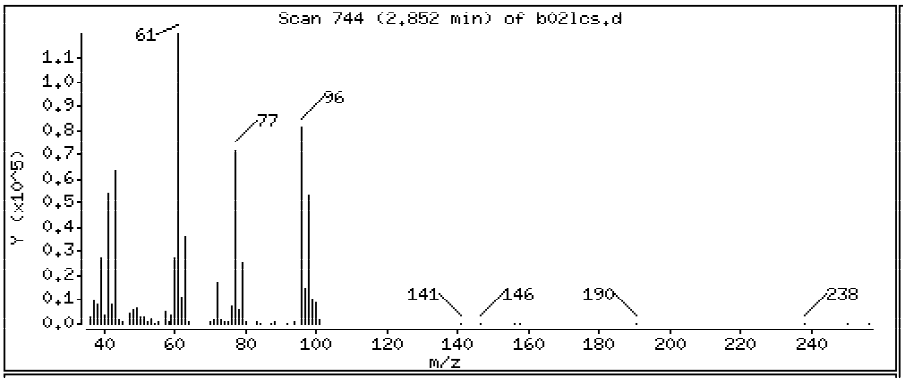
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

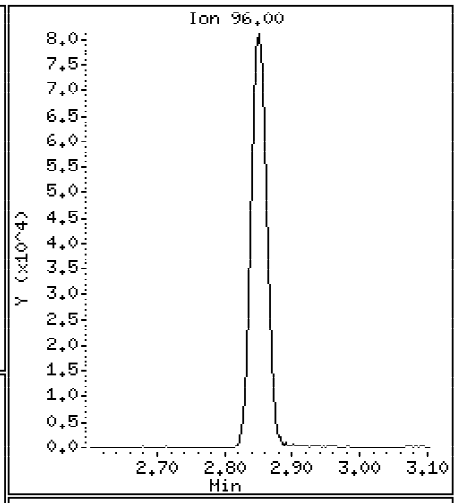
Sample Info: 1088990,65557:5

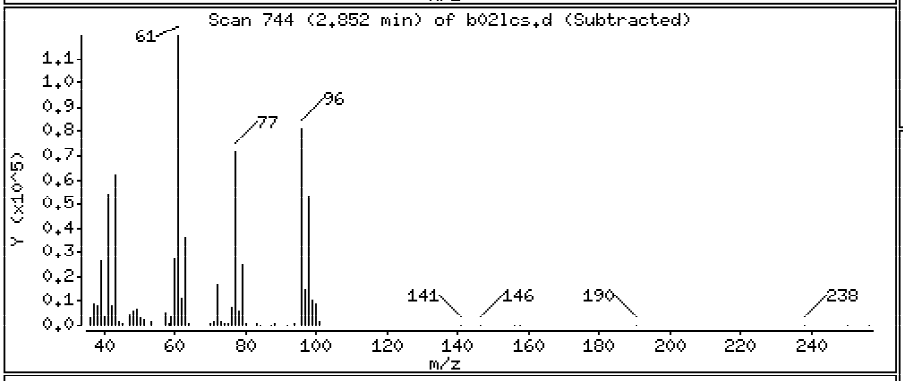
Purge Volume: 5.0 Operator: dae

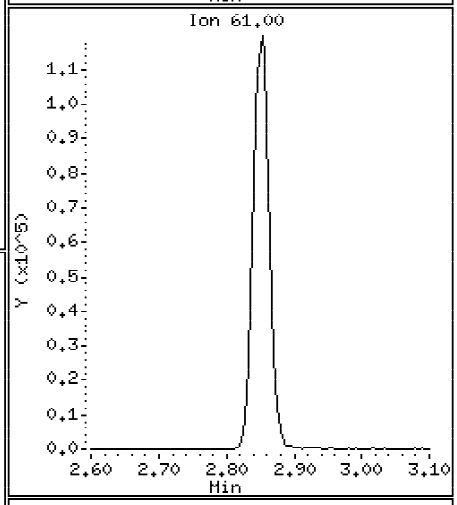
Column phase: DB-624 Column diameter: 0.18

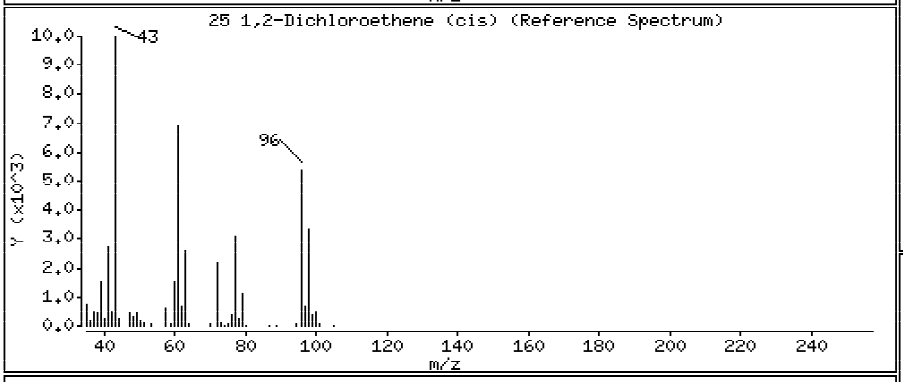
25 1,2-Dichloroethene (cis) Concentration: 43.8 ppb

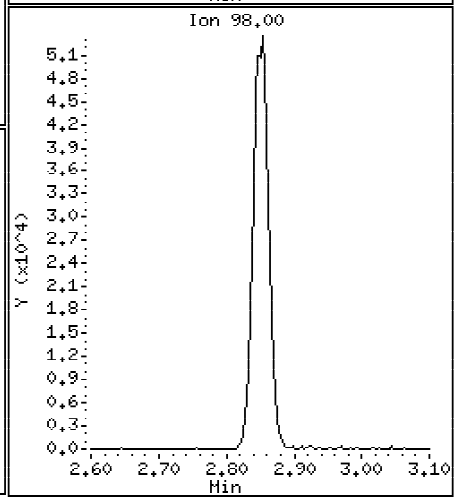


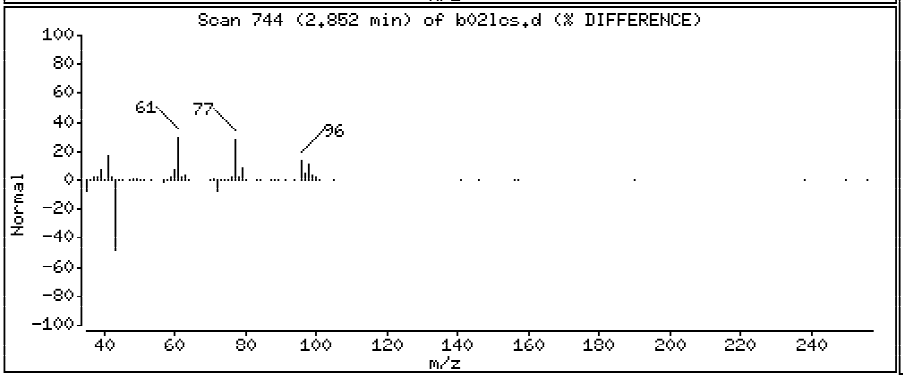












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 32

Date : 06-MAY-2014 12:21

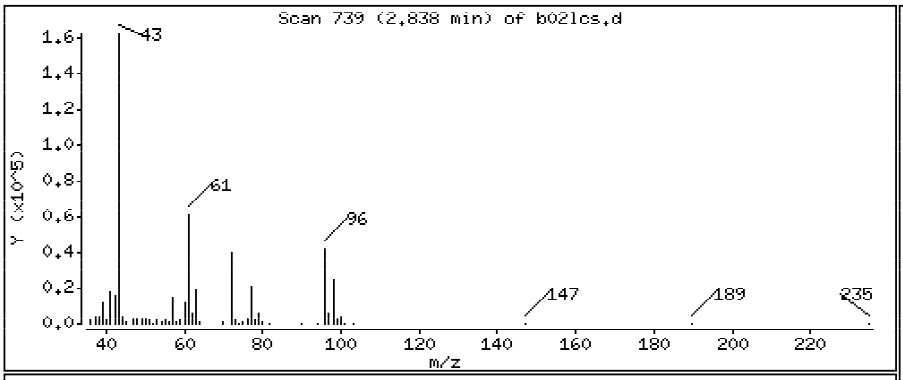
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

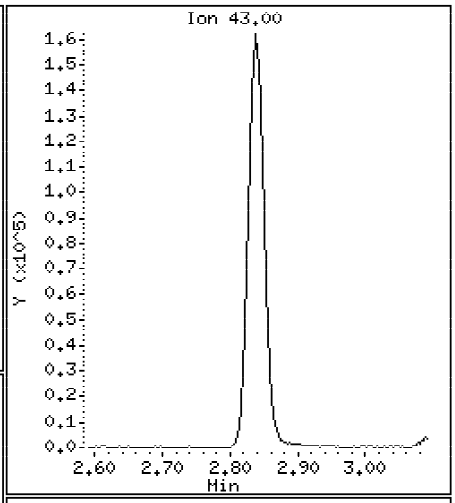
Sample Info: 1088990,65557:5

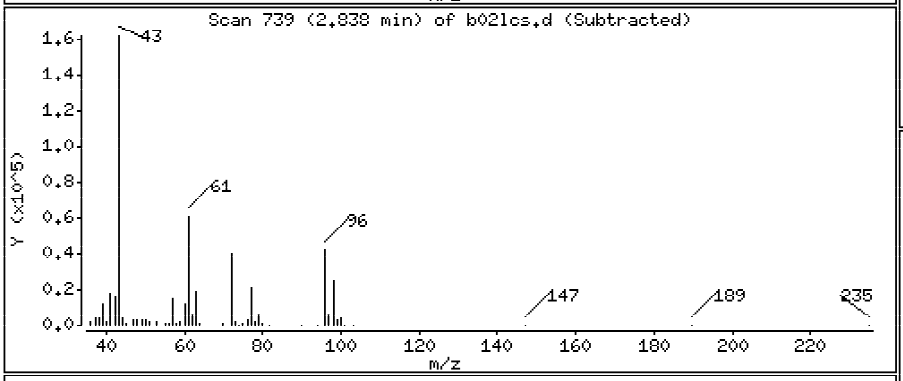
Purge Volume: 5.0 Operator: dae

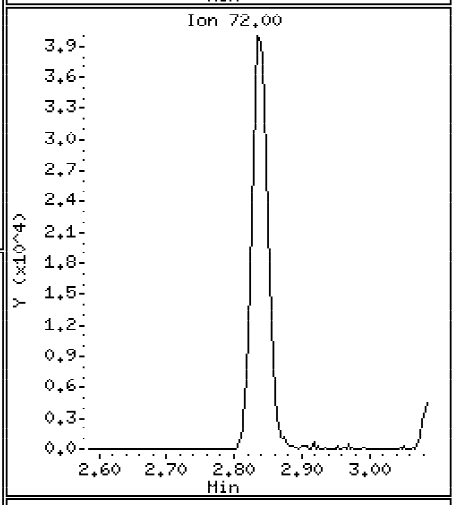
Column phase: DB-624 Column diameter: 0.18

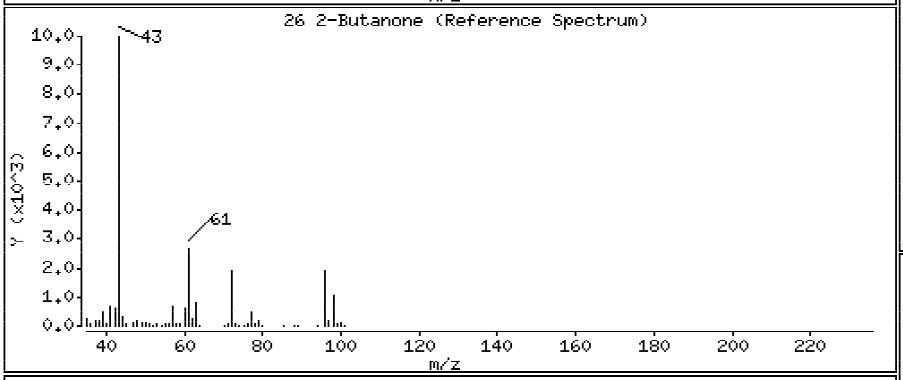
26 2-Butanone Concentration: 225 ppb

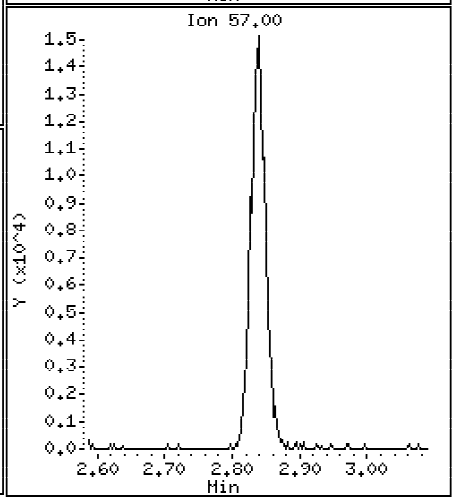


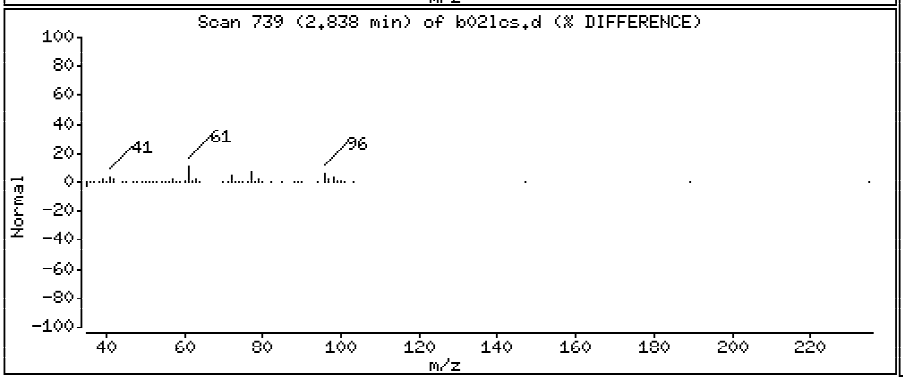












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 33

Date : 06-MAY-2014 12:21

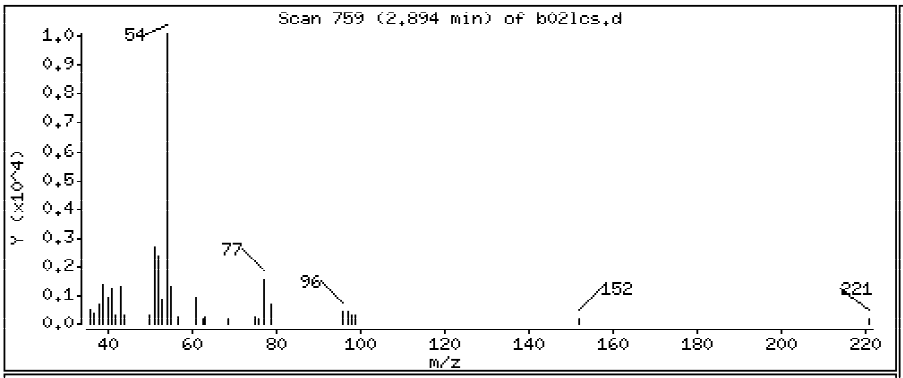
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

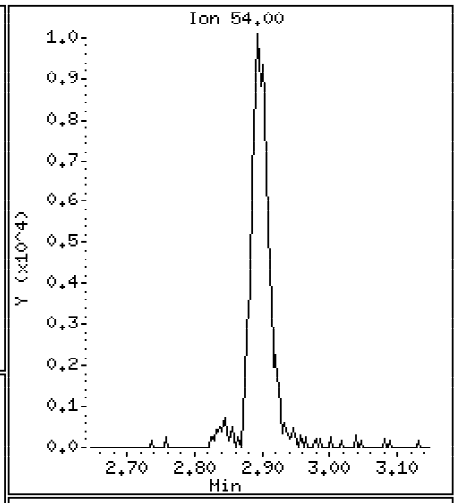
Sample Info: 1088990,65557:5

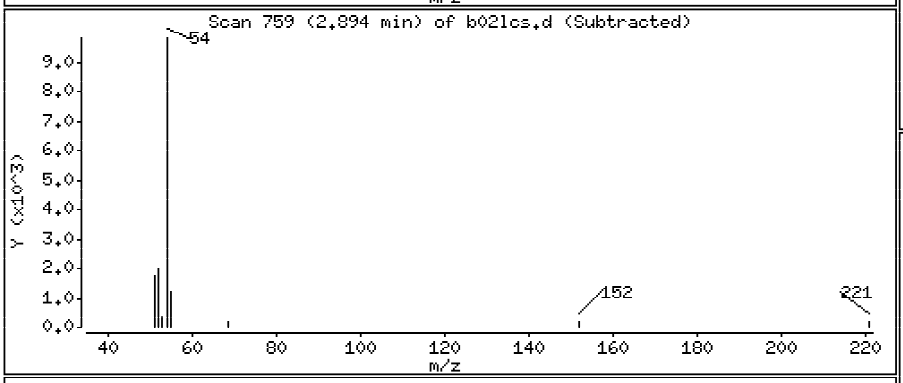
Purge Volume: 5.0 Operator: dae

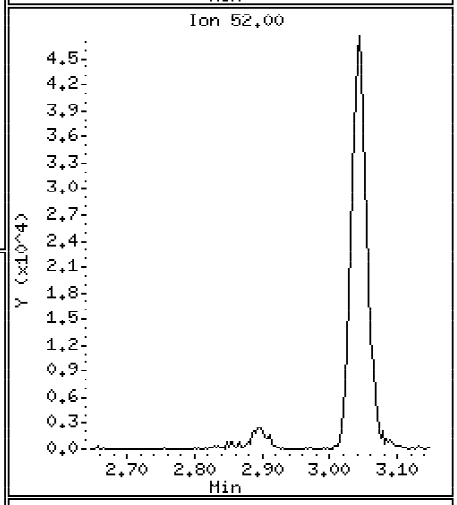
Column phase: DB-624 Column diameter: 0.18

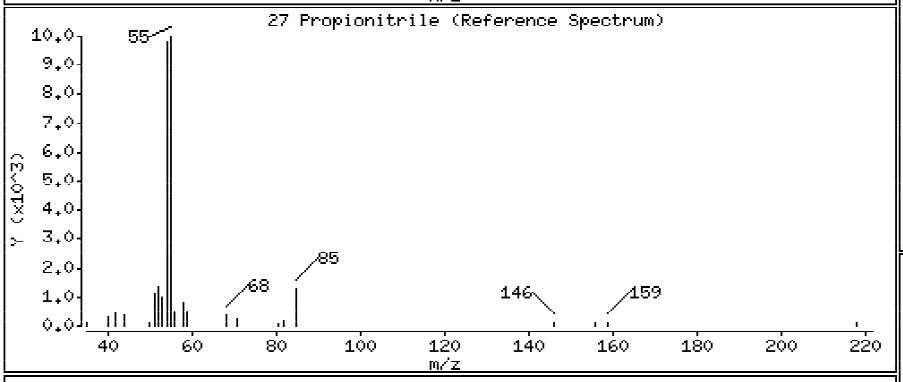
27 Propionitrile Concentration: 40.5 ppb

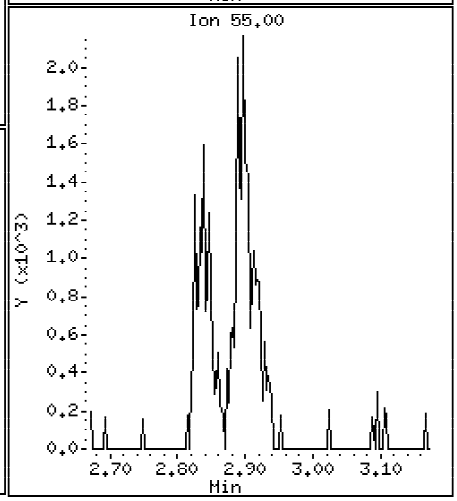


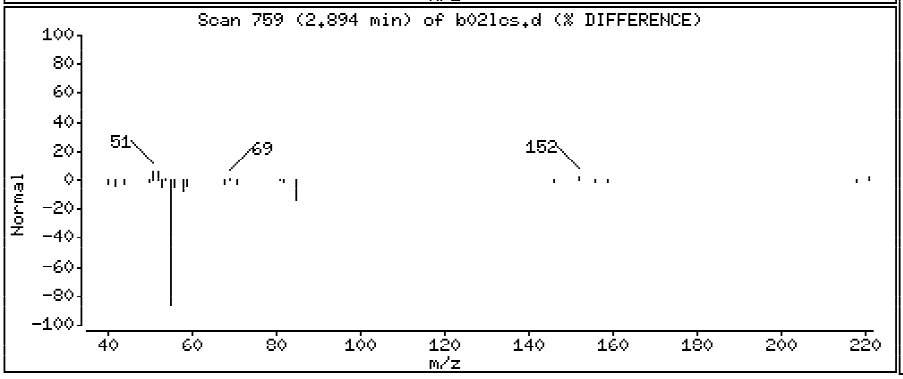












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 34

Date : 06-MAY-2014 12:21

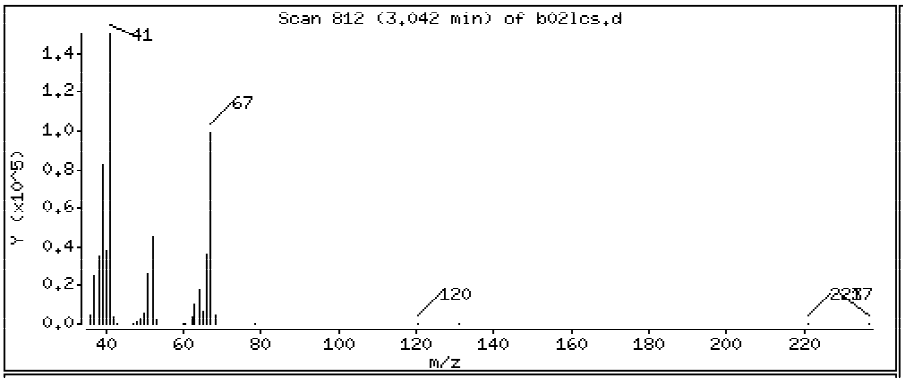
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

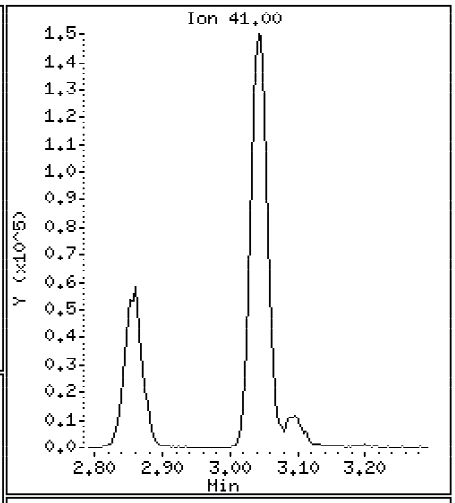
Sample Info: 1088990,65557:5

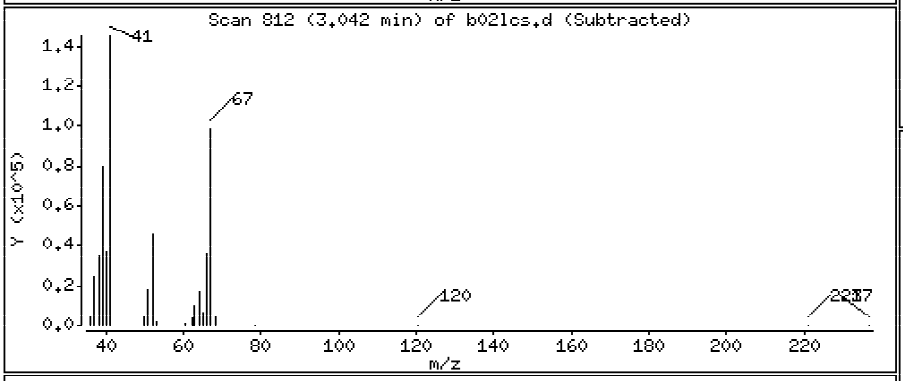
Purge Volume: 5.0 Operator: dae

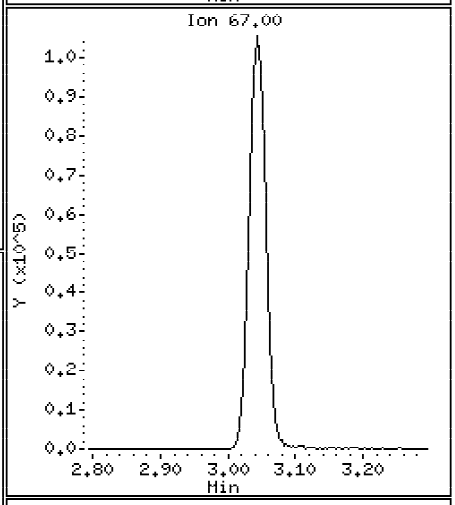
Column phase: DB-624 Column diameter: 0.18

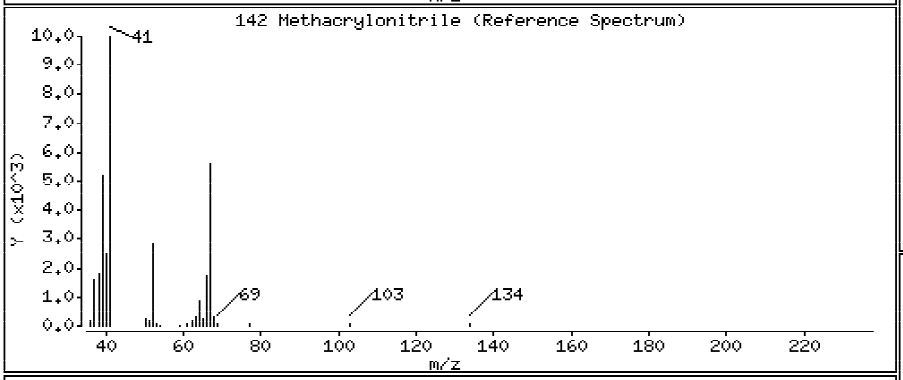
142 Methacrylonitrile Concentration: 642 ppb

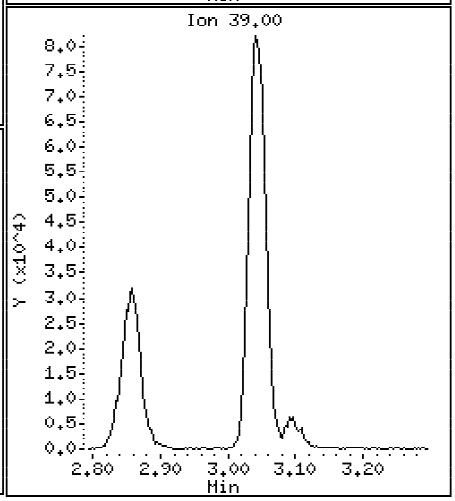


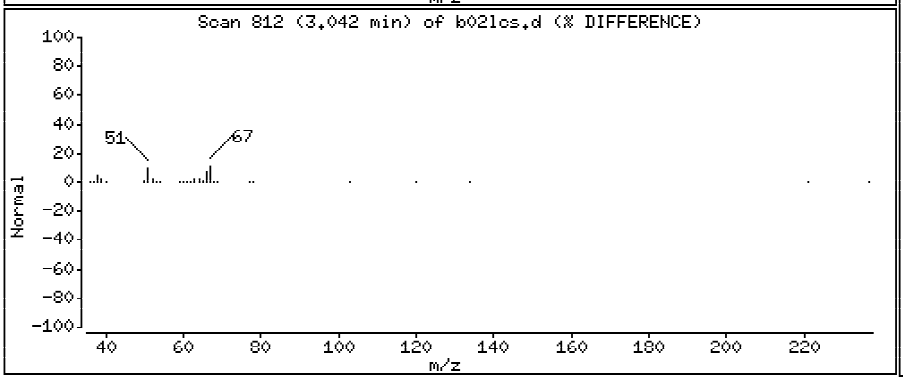












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 35

Date : 06-MAY-2014 12:21

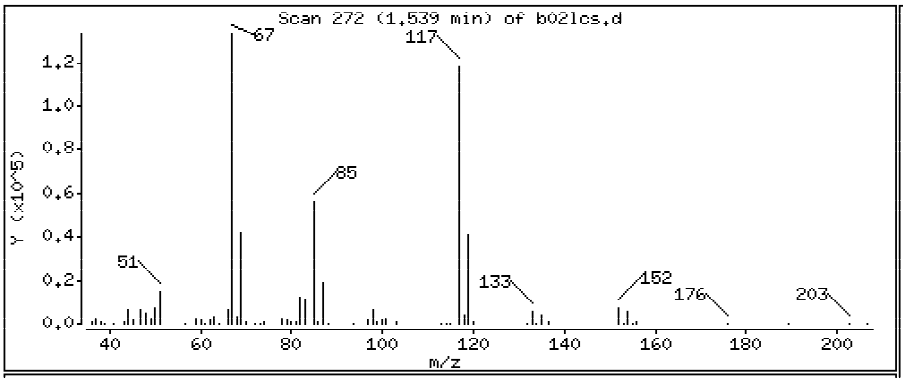
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

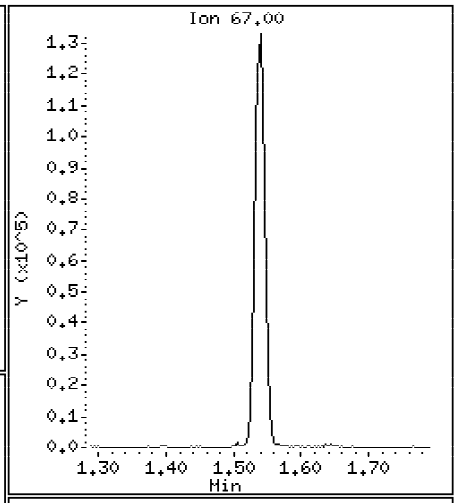
Sample Info: 1088990,65557:5

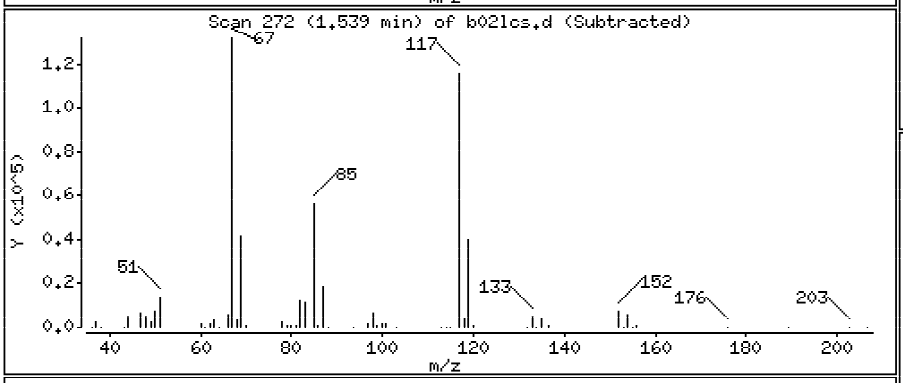
Purge Volume: 5.0 Operator: dae

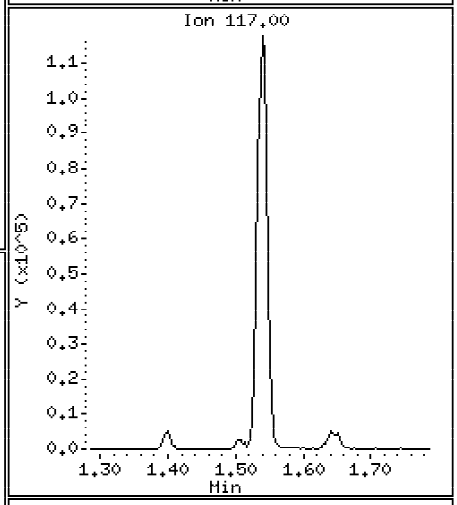
Column phase: DB-624 Column diameter: 0.18

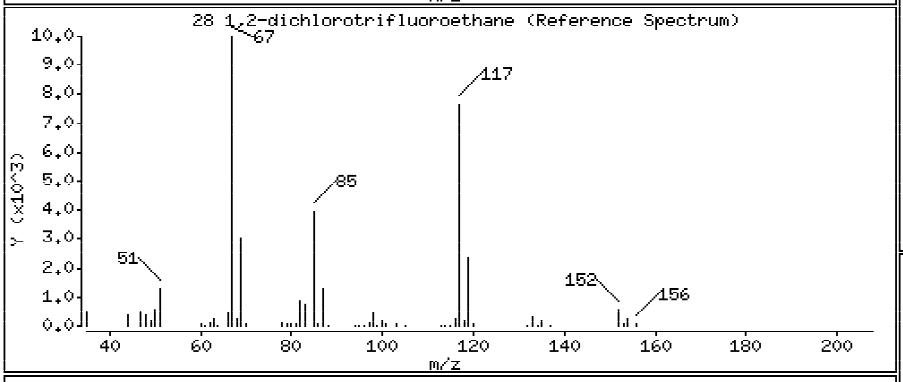
28 1,2-dichlorotrifluoroethane Concentration: 45.5 ppb

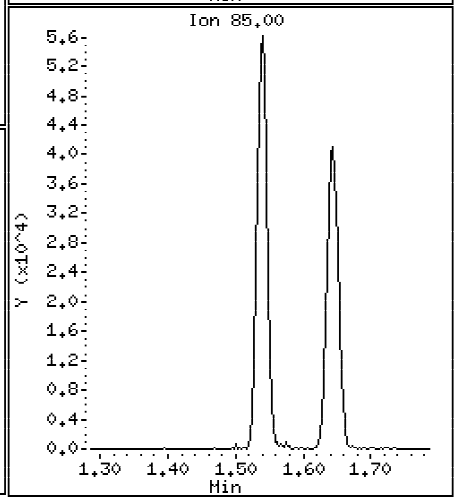


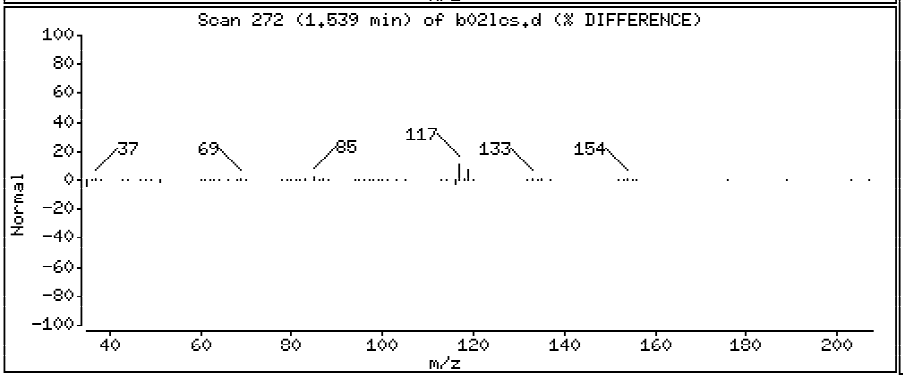












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 36

Date : 06-MAY-2014 12:21

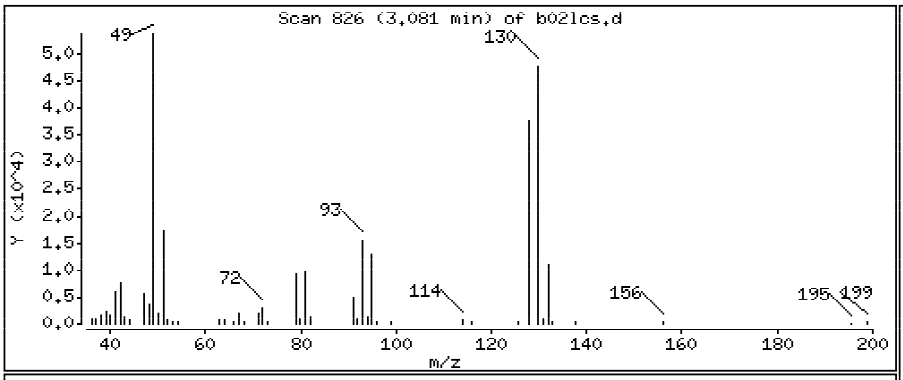
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

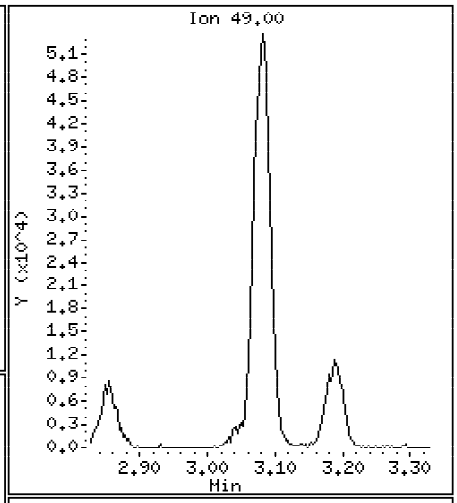
Sample Info: 1088990,65557:5

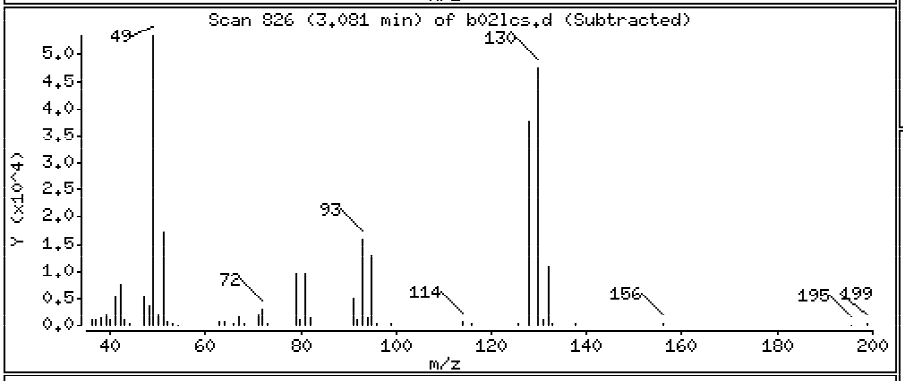
Purge Volume: 5.0 Operator: dae

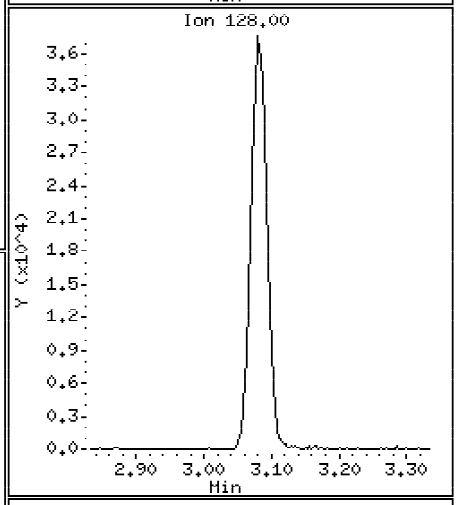
Column phase: DB-624 Column diameter: 0.18

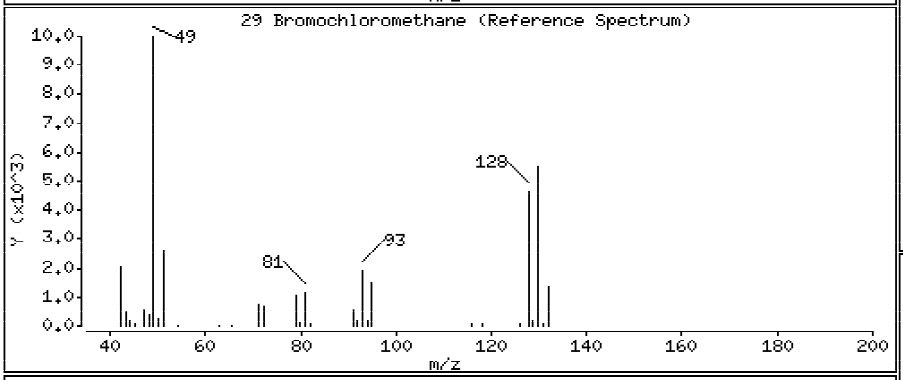
29 Bromochloromethane Concentration: 43.4 ppb

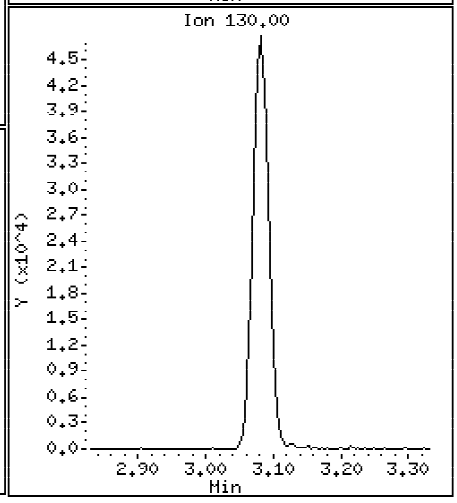


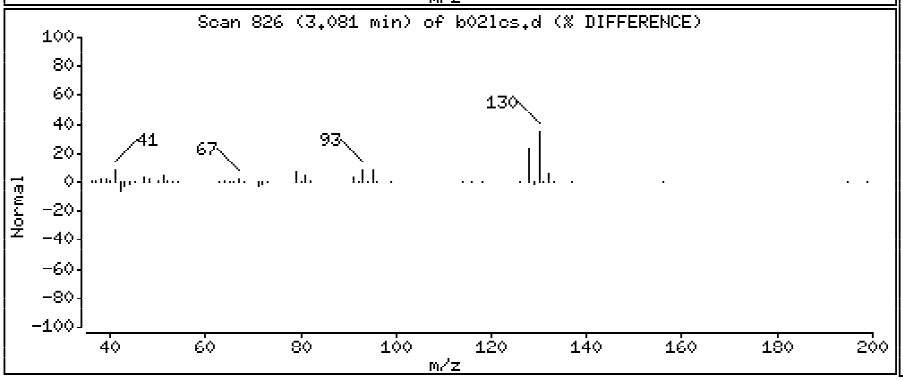












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 37

Date : 06-MAY-2014 12:21

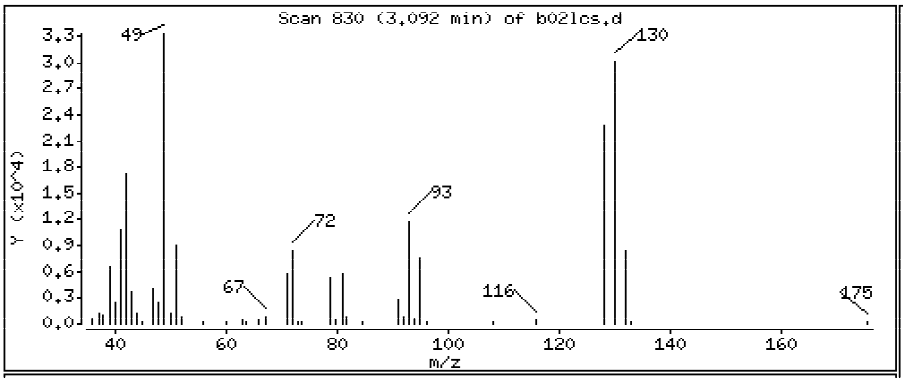
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

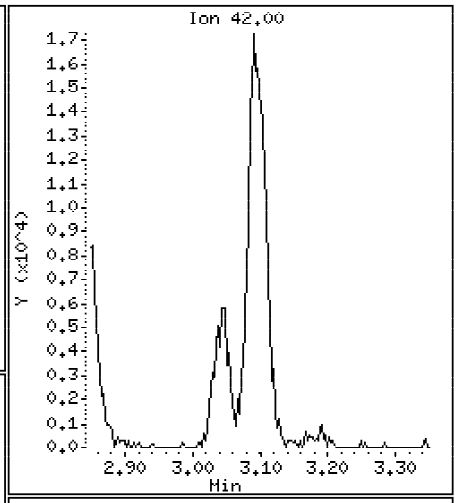
Sample Info: 1088990,65557:5

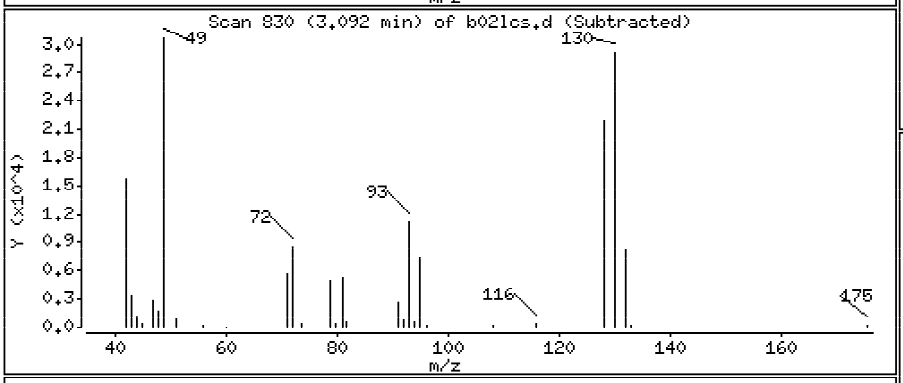
Purge Volume: 5.0 Operator: dae

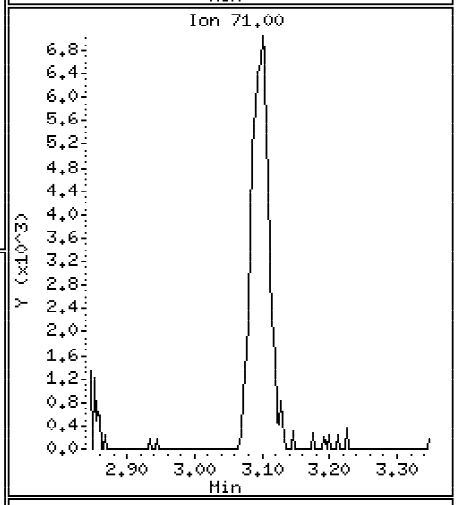
Column phase: DB-624 Column diameter: 0.18

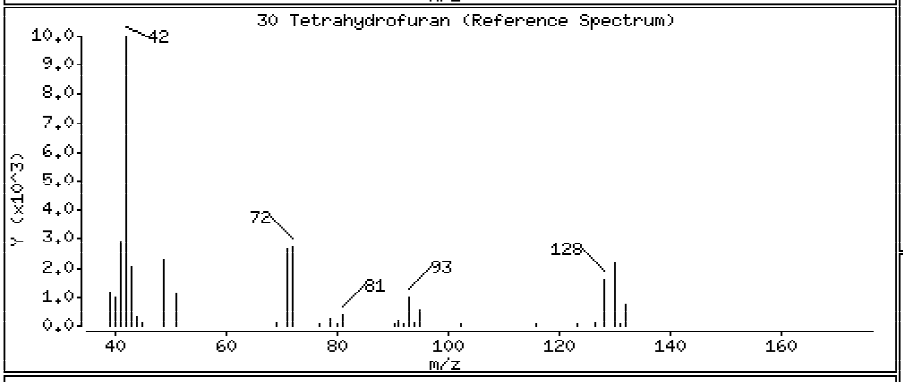
30 Tetrahydrofuran Concentration: 45.4 ppb

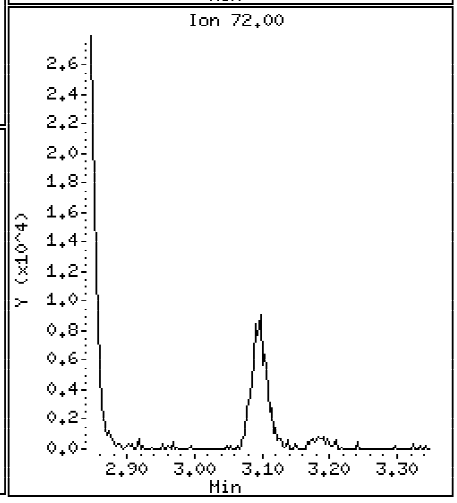


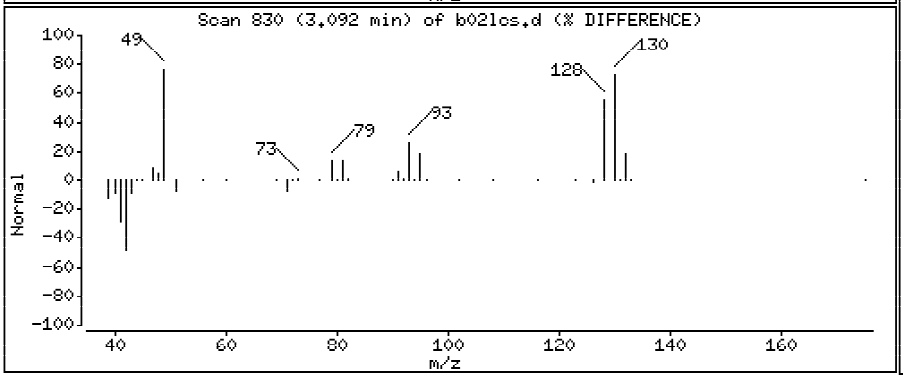












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 38

Date : 06-MAY-2014 12:21

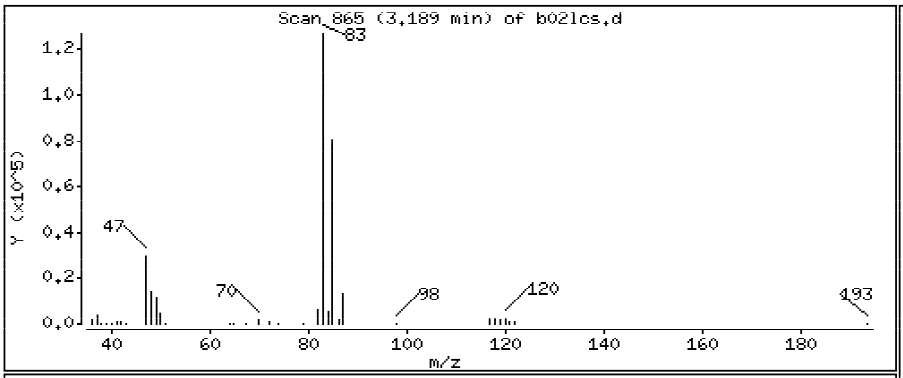
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

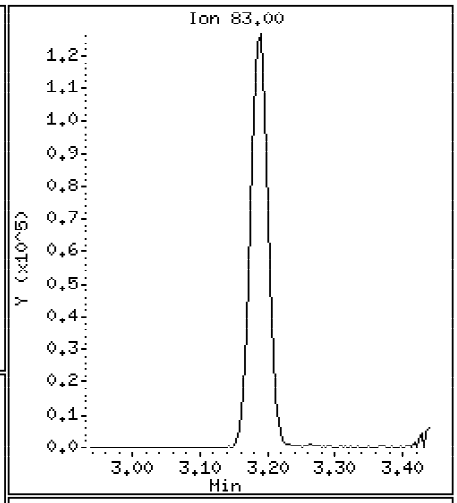
Sample Info: 1088990,65557:5

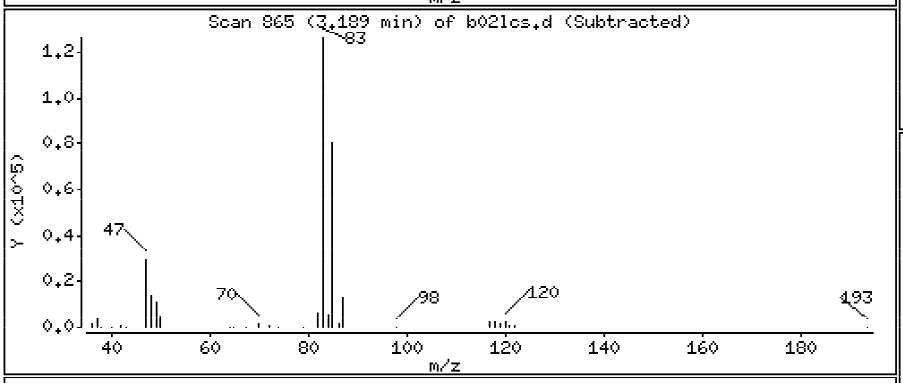
Purge Volume: 5.0 Operator: dae

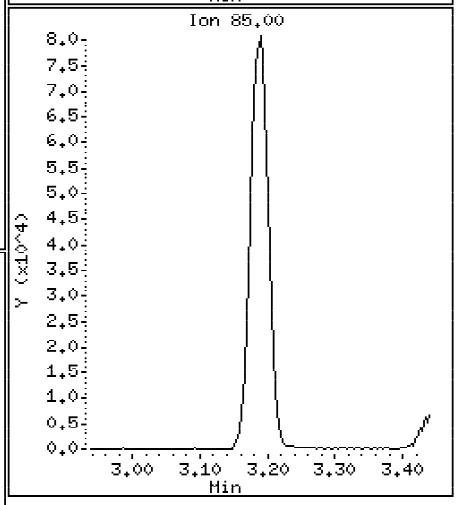
Column phase: DB-624 Column diameter: 0.18

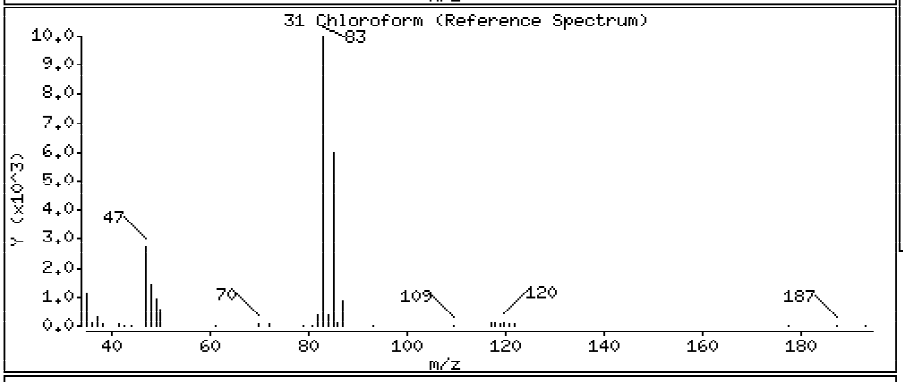
31 Chloroform Concentration: 43.8 ppb

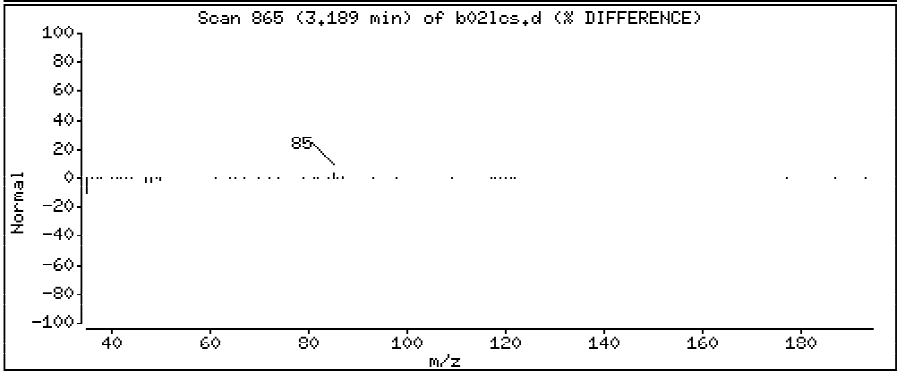












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 39

Date : 06-MAY-2014 12:21

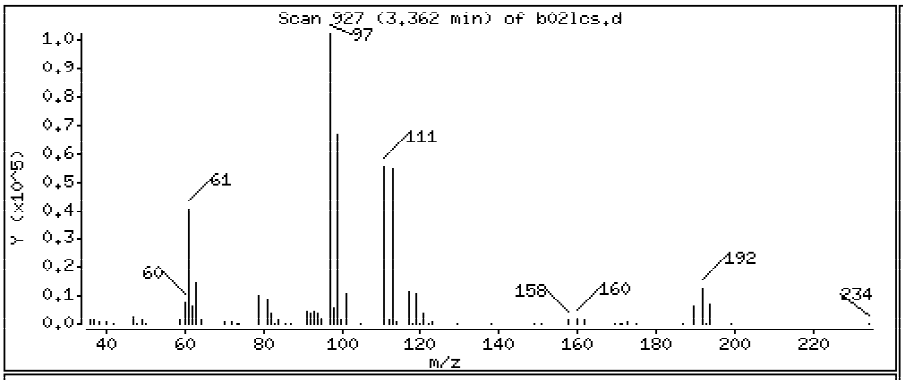
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

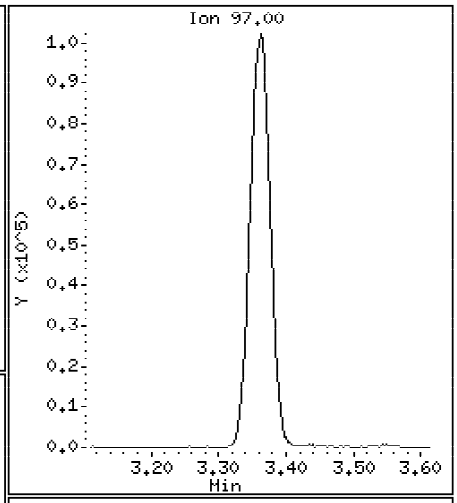
Sample Info: 1088990,65557:5

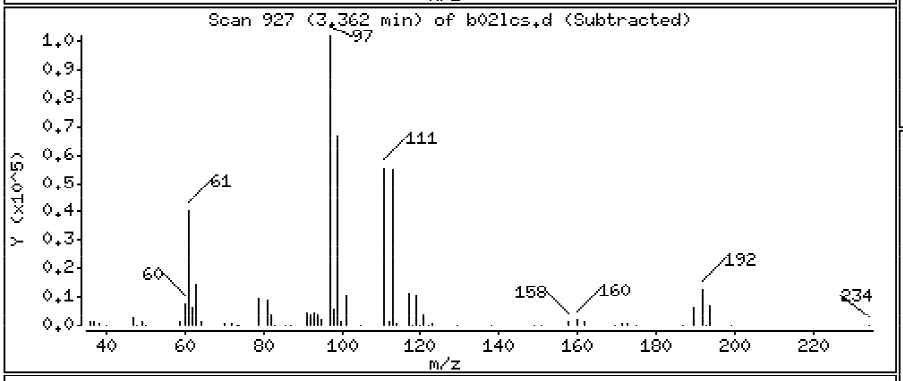
Purge Volume: 5.0 Operator: dae

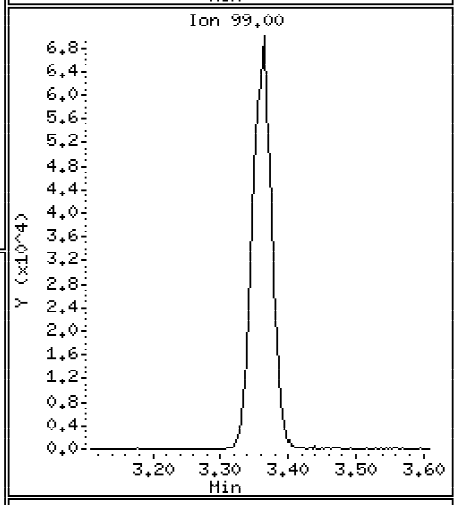
Column phase: DB-624 Column diameter: 0.18

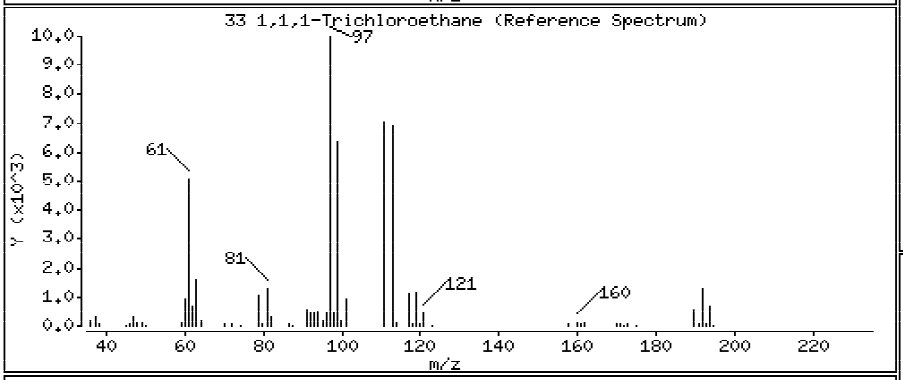
33 1,1,1-Trichloroethane Concentration: 49.2 ppb

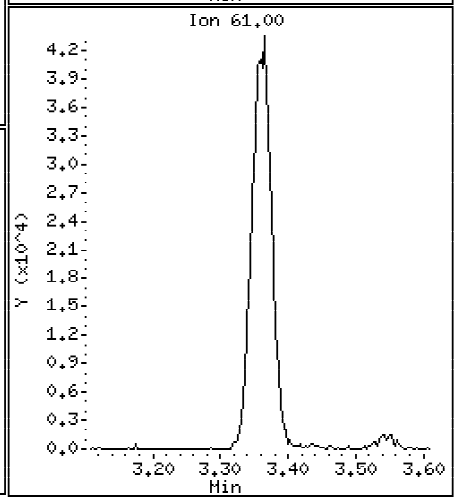


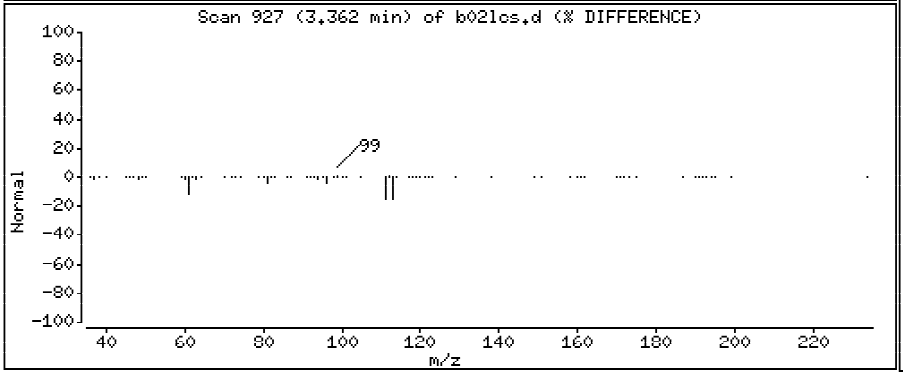












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 40

Date : 06-MAY-2014 12:21

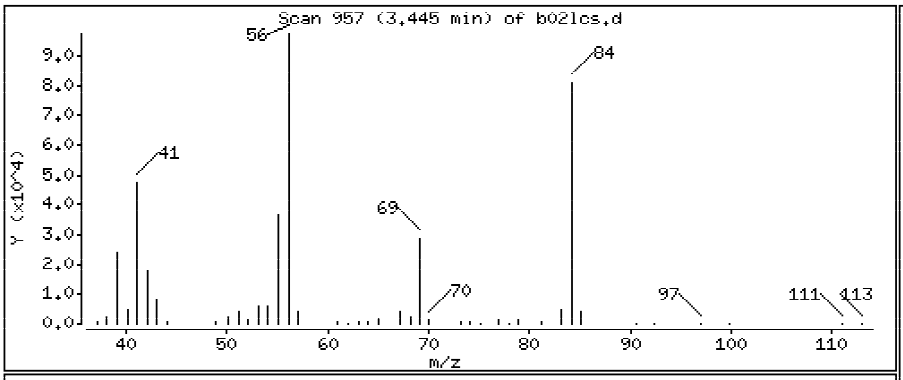
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

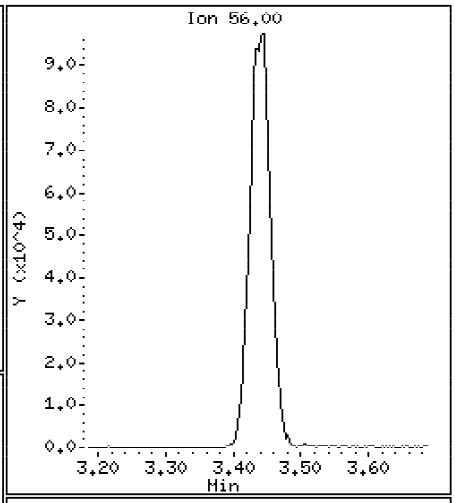
Sample Info: 1088990,65557:5

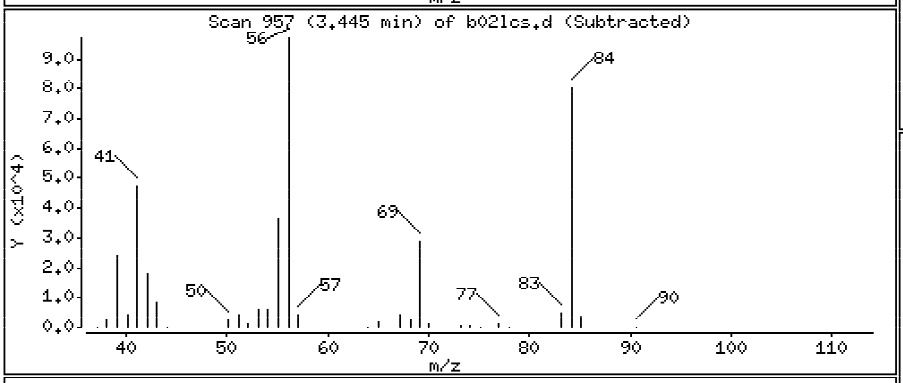
Purge Volume: 5.0 Operator: dae

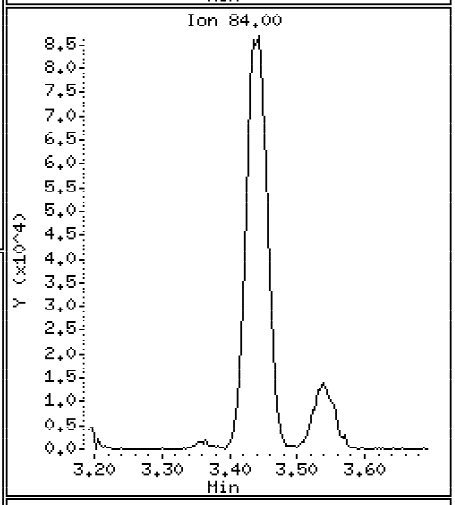
Column phase: DB-624 Column diameter: 0.18

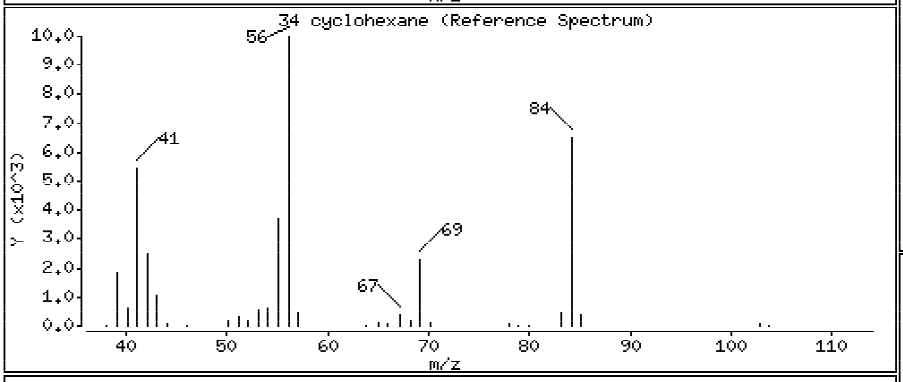
34 cyclohexane Concentration: 48.2 ppb

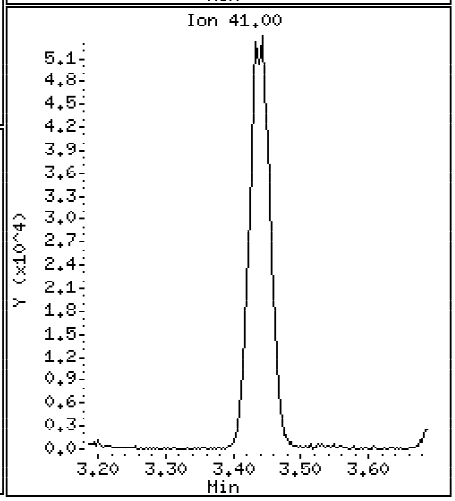


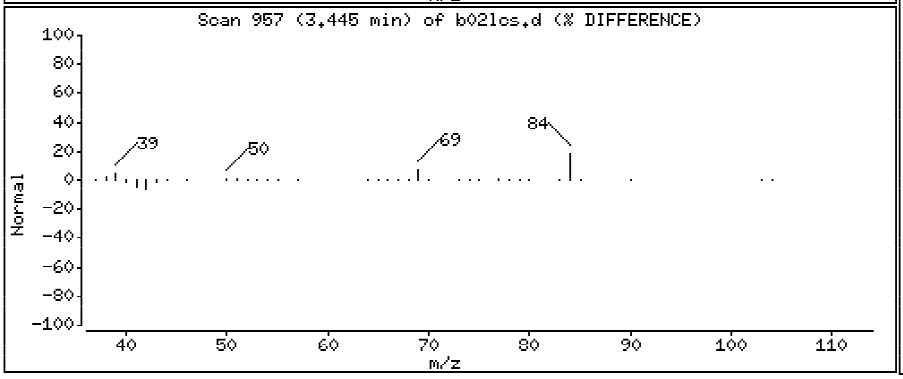












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 41

Date : 06-MAY-2014 12:21

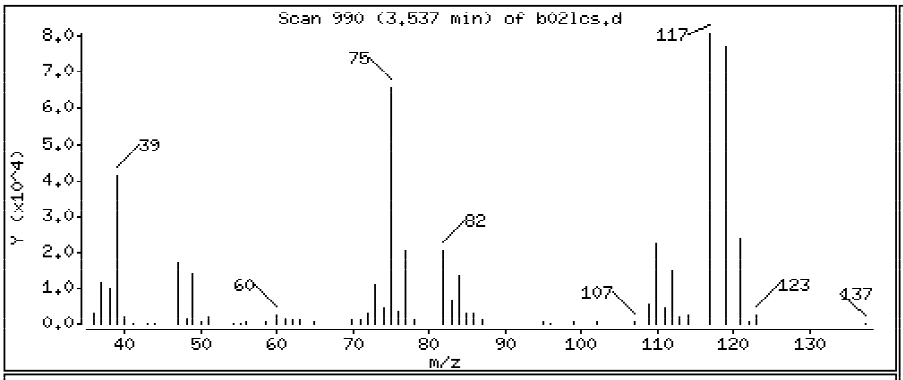
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

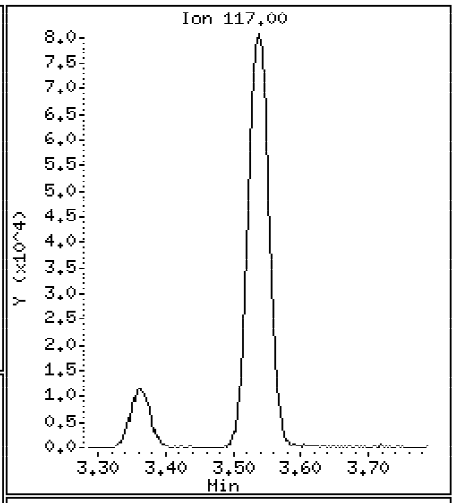
Sample Info: 1088990,65557:5

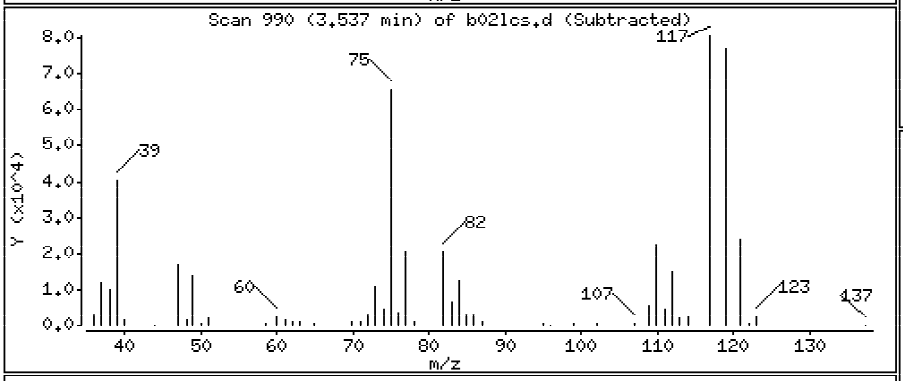
Purge Volume: 5.0 Operator: dae

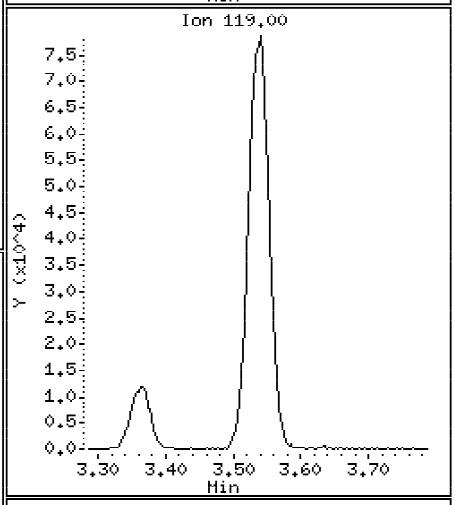
Column phase: DB-624 Column diameter: 0.18

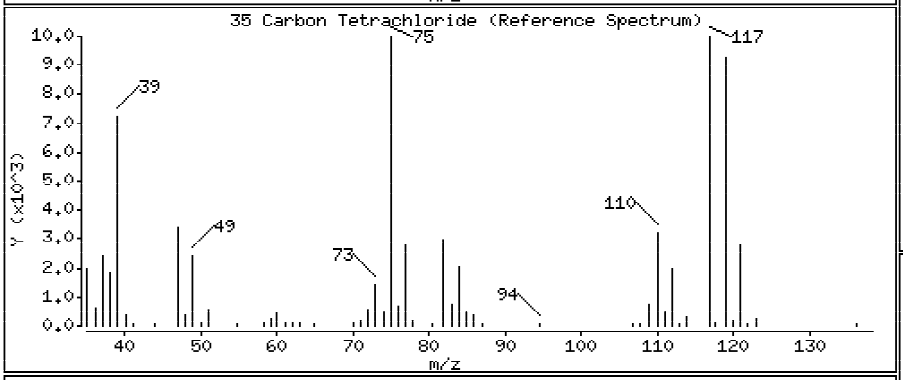
35 Carbon Tetrachloride Concentration: 52.4 ppb

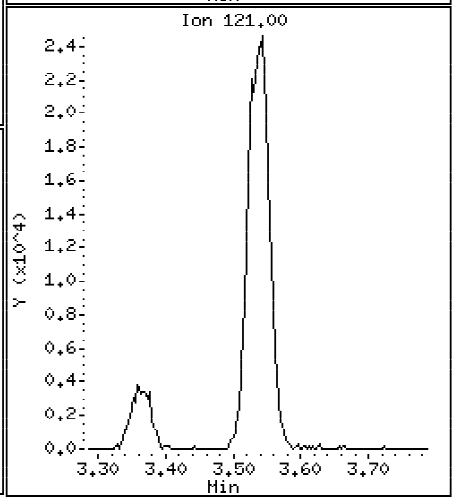


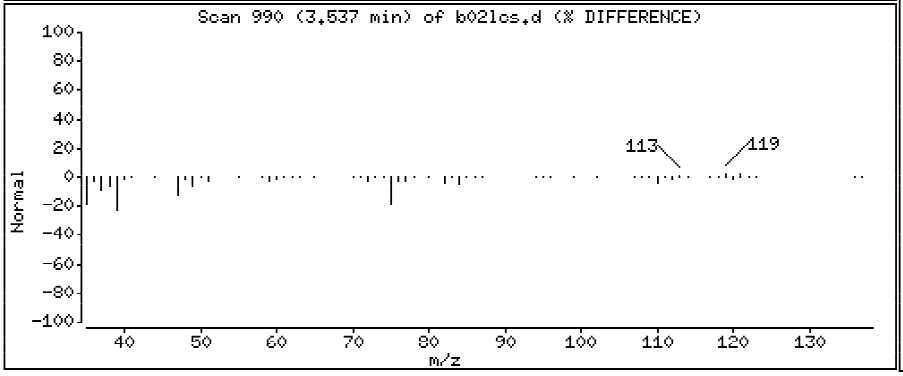












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 42

Date : 06-MAY-2014 12:21

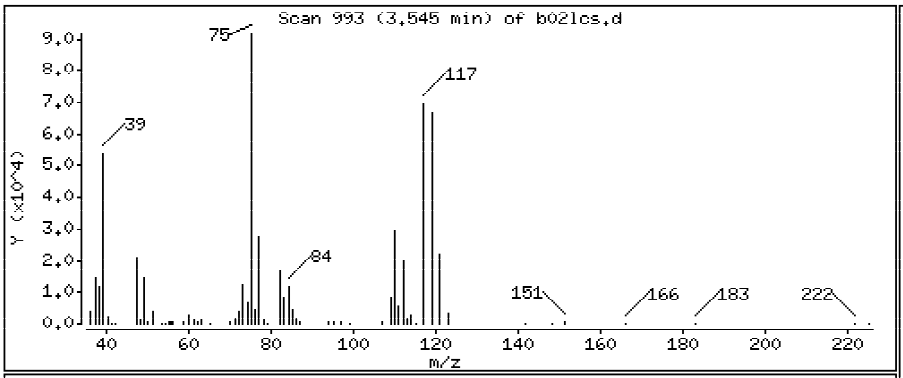
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

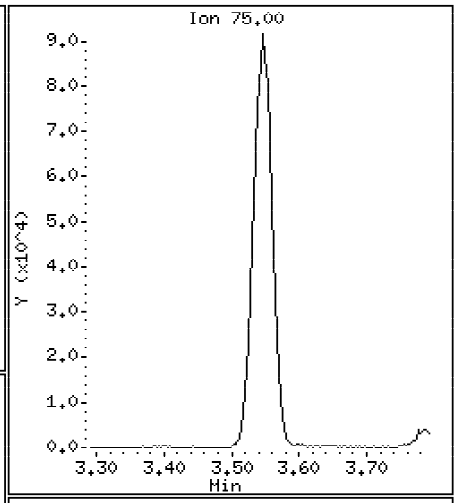
Sample Info: 1088990,65557:5

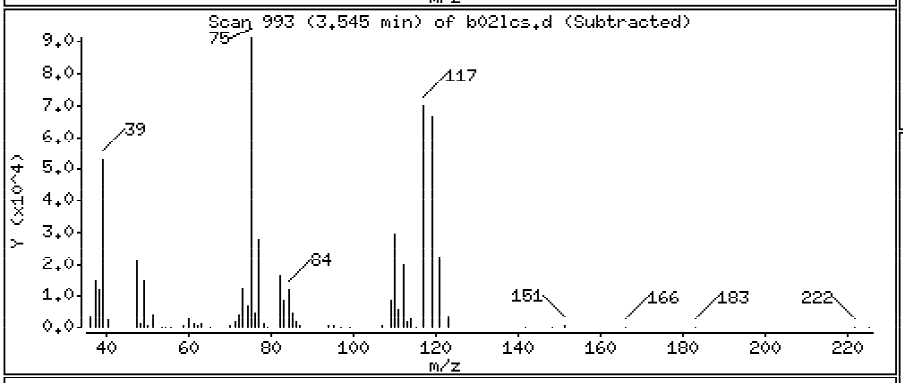
Purge Volume: 5.0 Operator: dae

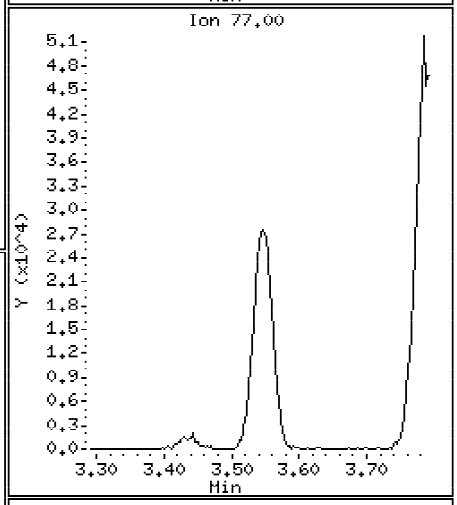
Column phase: DB-624 Column diameter: 0.18

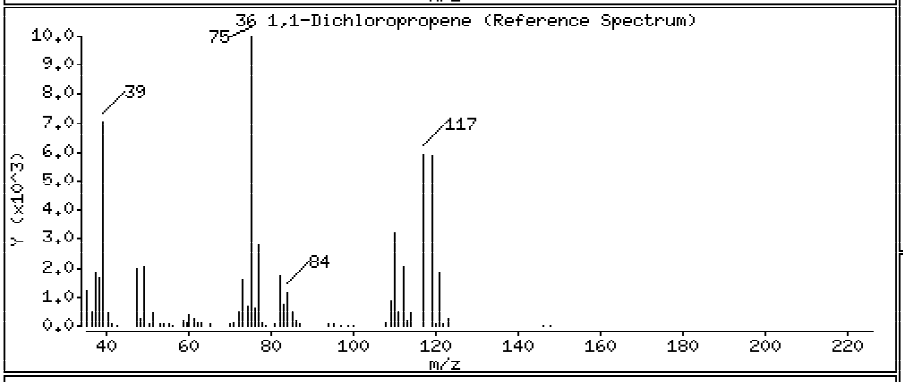
36 1,1-Dichloropropene Concentration: 48.3 ppb

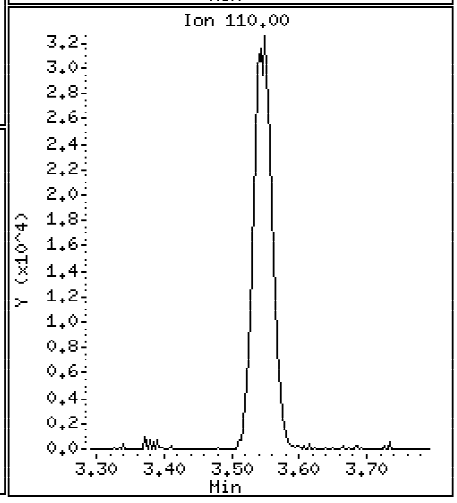


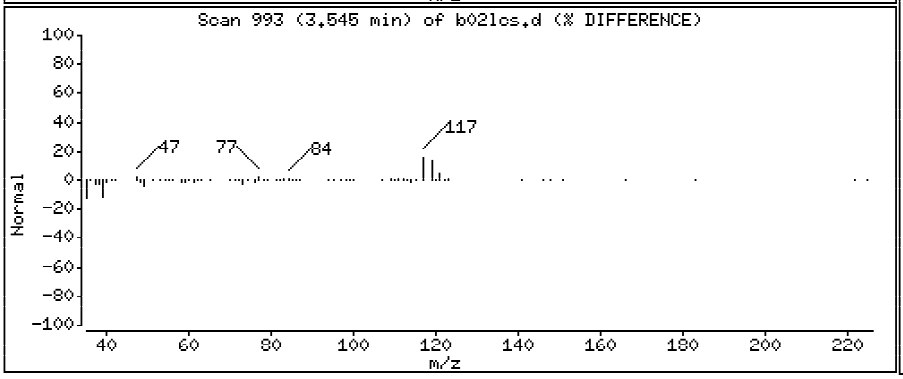












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 43

Date : 06-MAY-2014 12:21

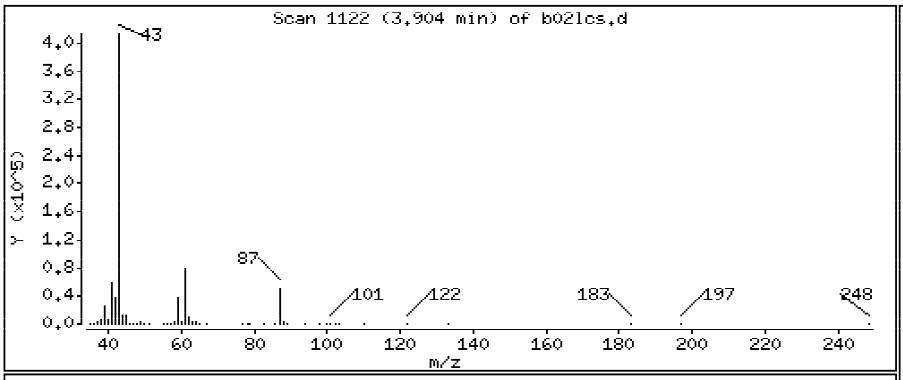
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

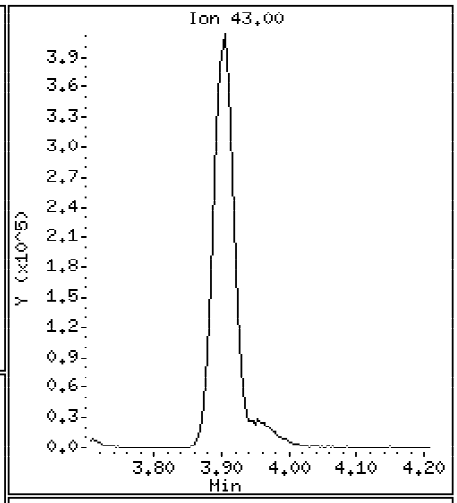
Sample Info: 1088990,65557:5

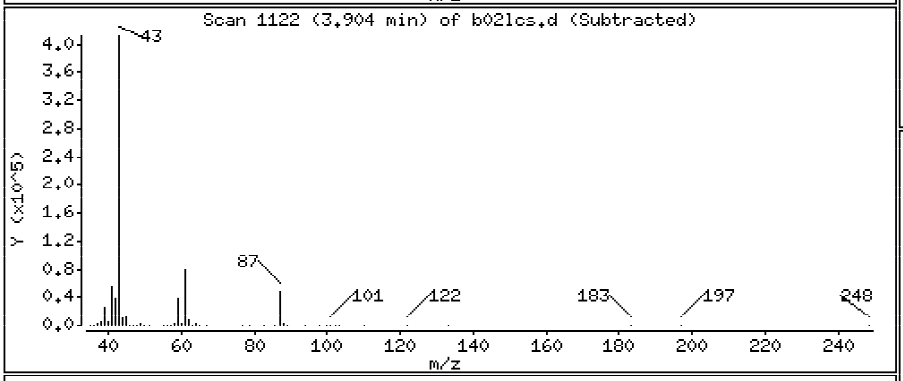
Purge Volume: 5.0 Operator: dae

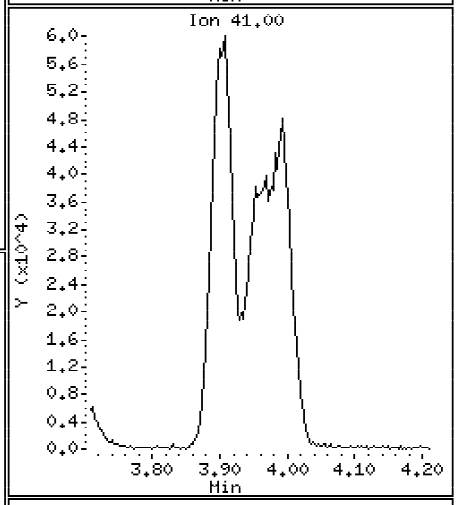
Column phase: DB-624 Column diameter: 0.18

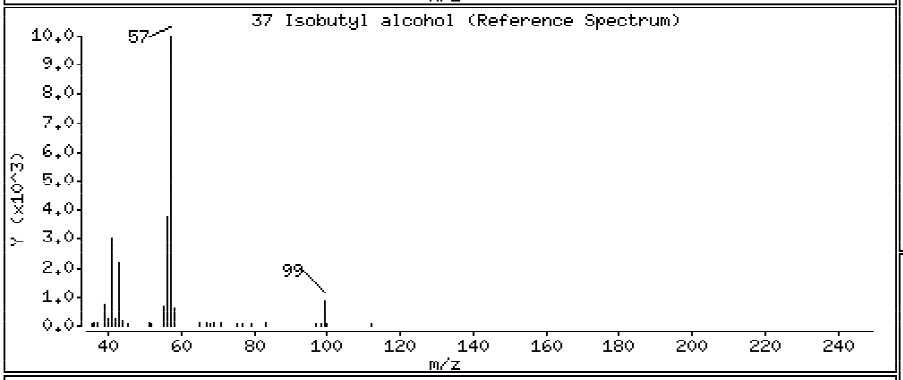
37 Isobutyl alcohol Concentration: 845 ppb

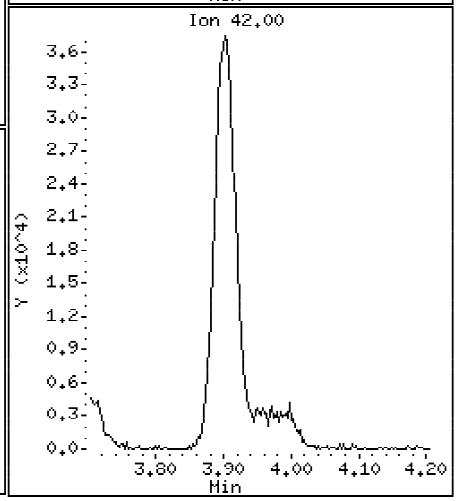


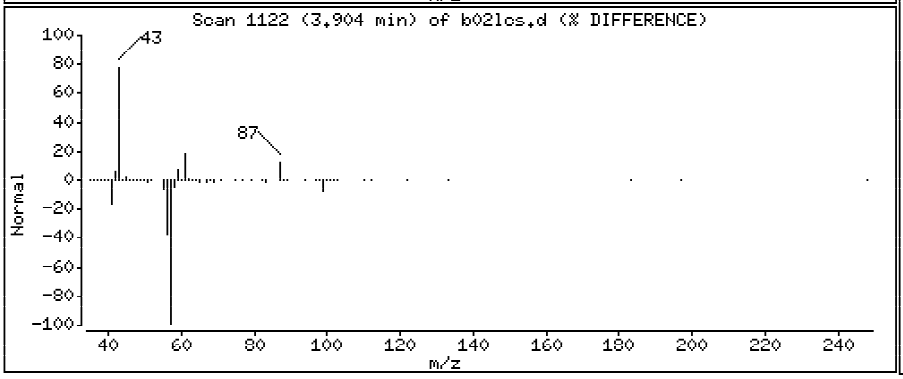












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 44

Date : 06-MAY-2014 12:21

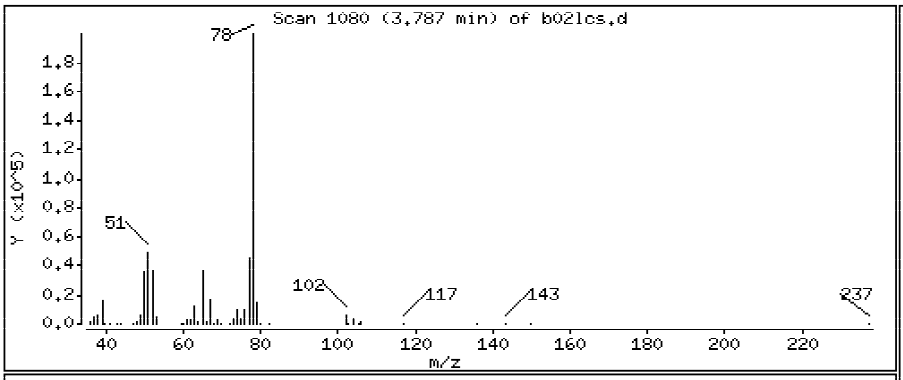
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

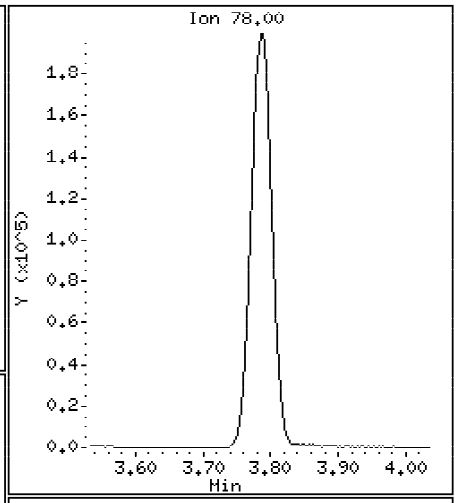
Sample Info: 1088990,65557:5

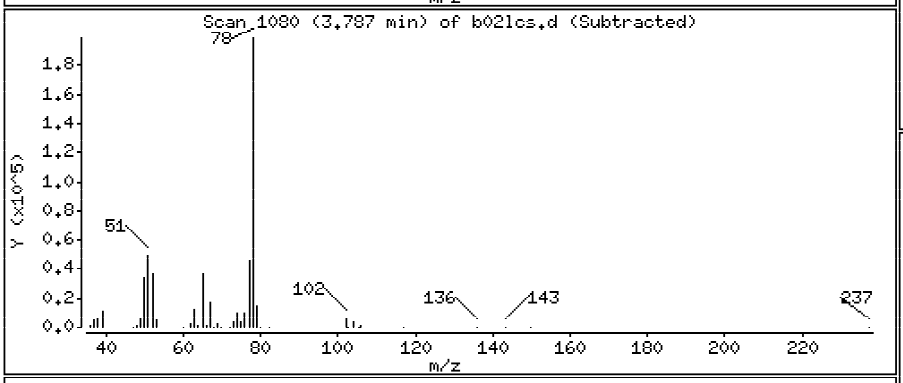
Purge Volume: 5.0 Operator: dae

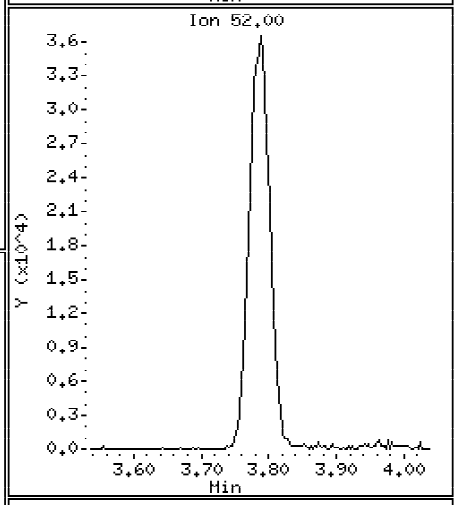
Column phase: DB-624 Column diameter: 0.18

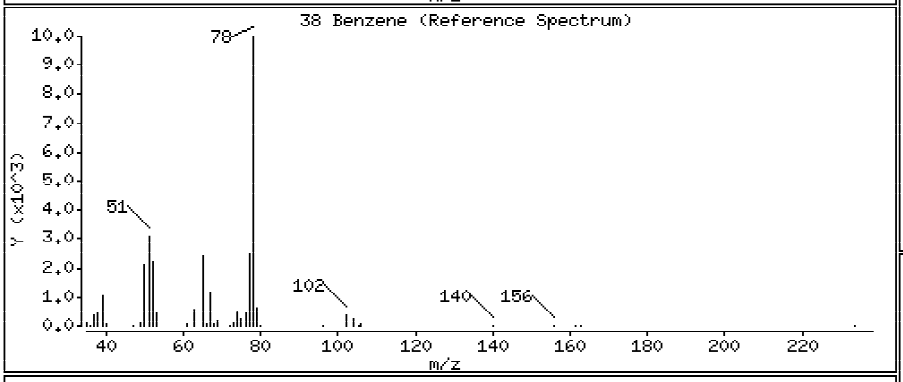
38 Benzene Concentration: 44.3 ppb

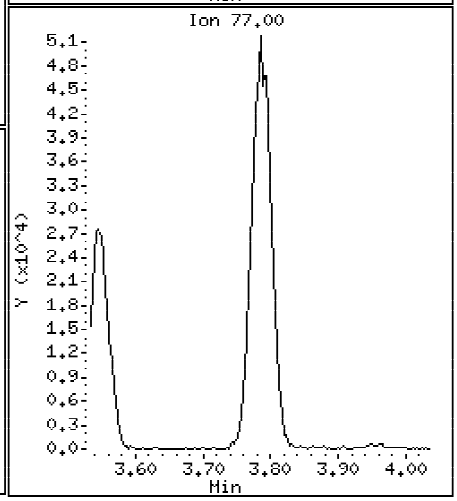


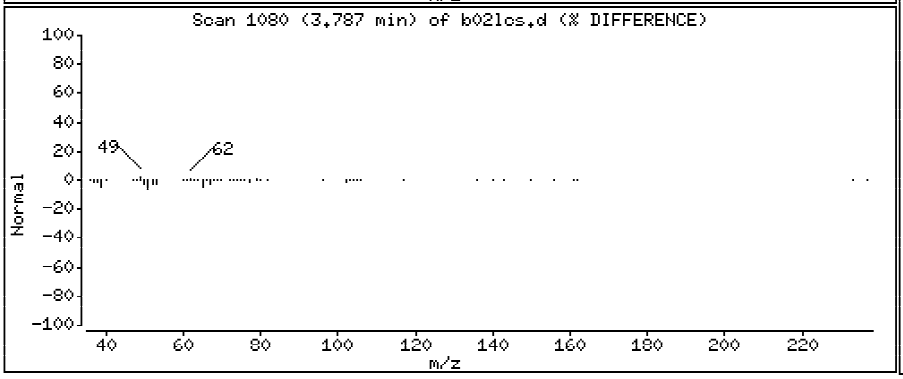












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 45

Date : 06-MAY-2014 12:21

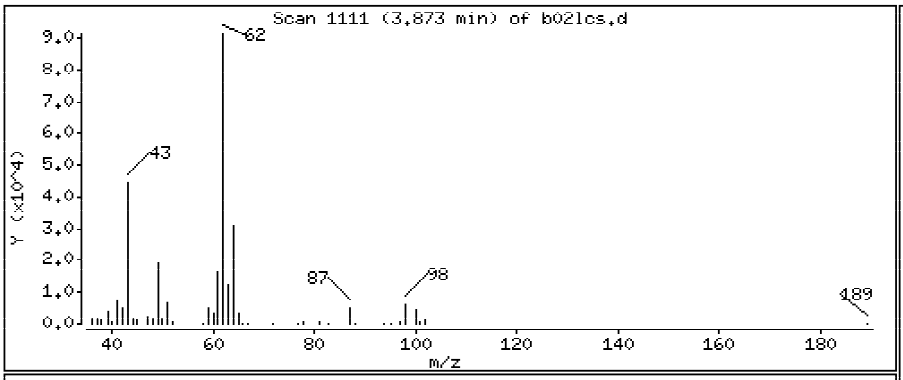
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

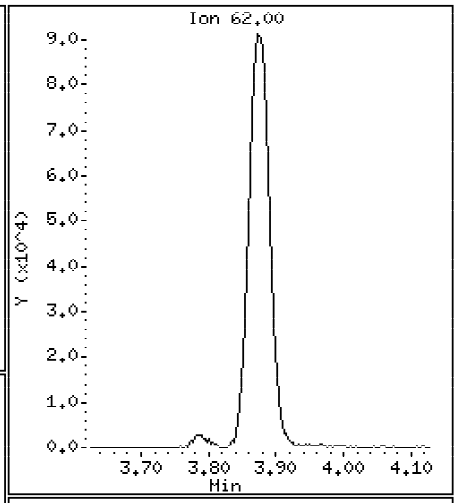
Sample Info: 1088990,65557:5

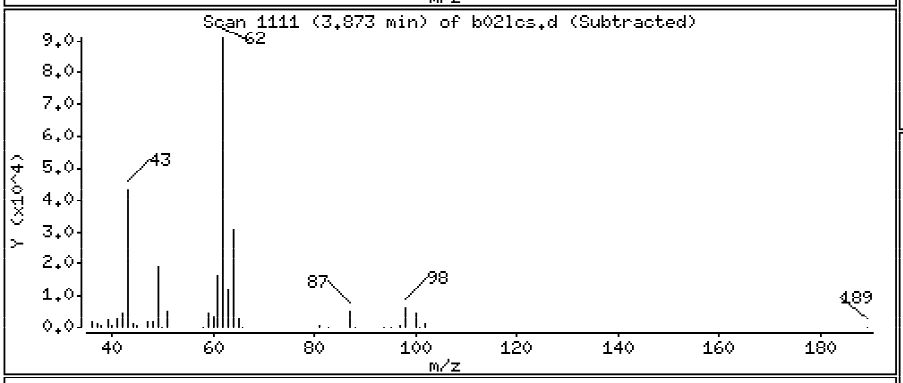
Purge Volume: 5.0 Operator: dae

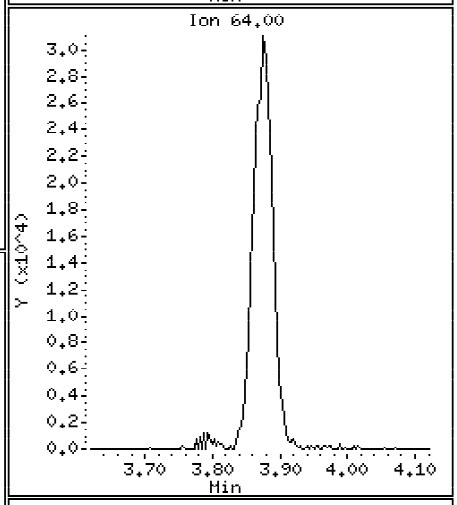
Column phase: DB-624 Column diameter: 0.18

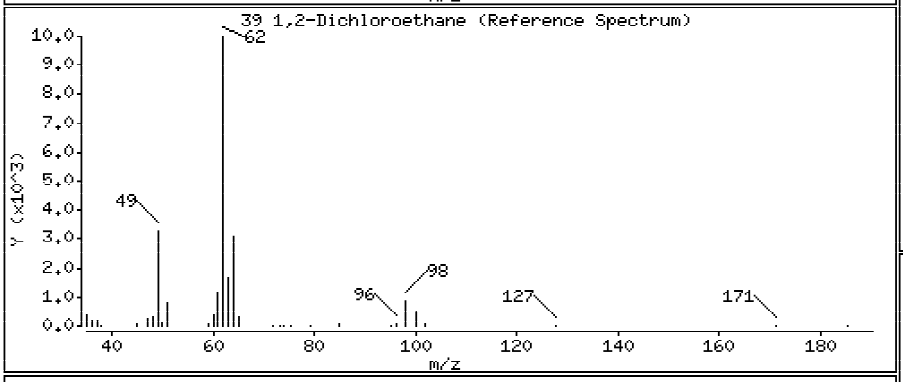
39 1,2-Dichloroethane Concentration: 45.6 ppb

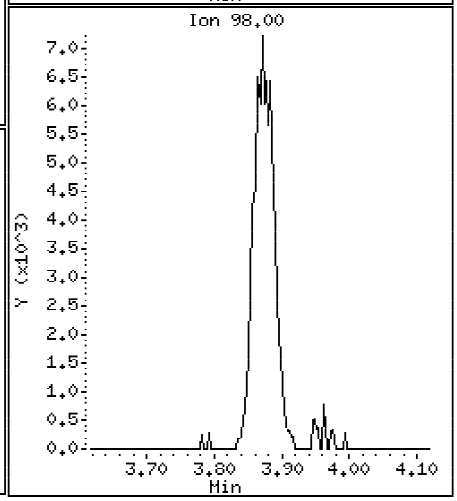


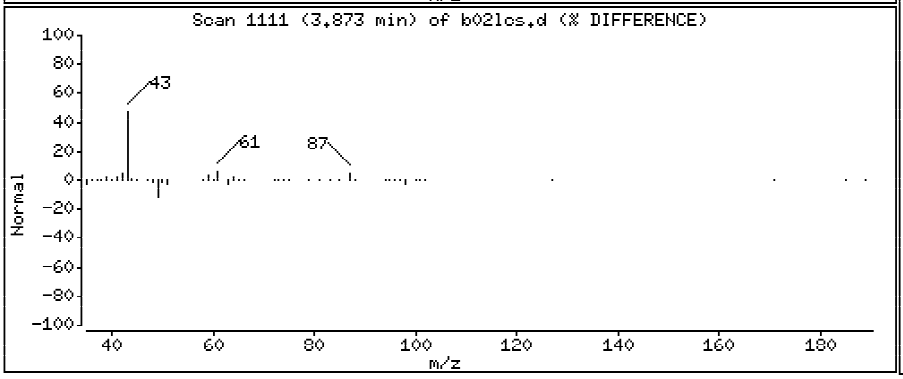












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 46

Date : 06-MAY-2014 12:21

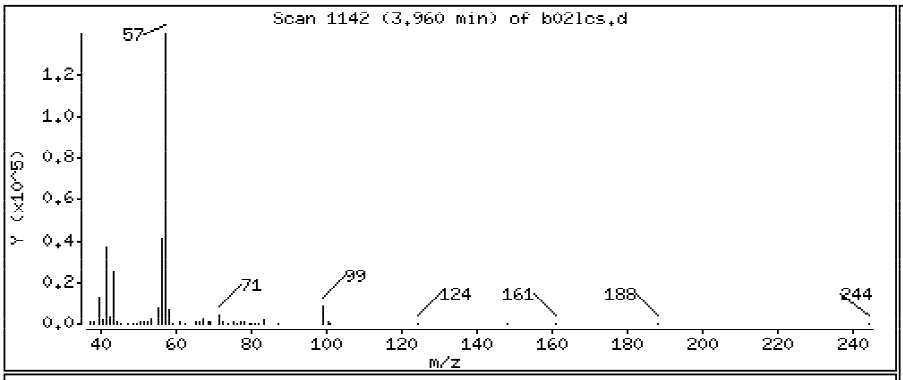
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

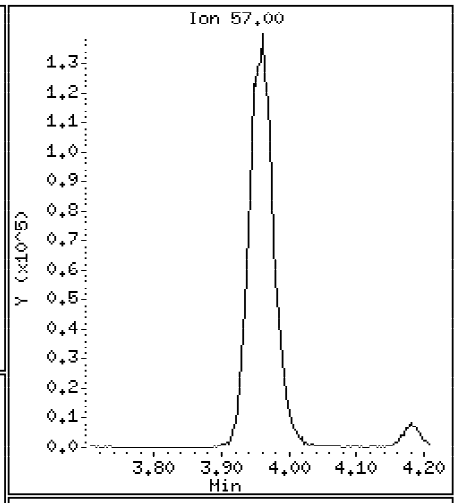
Sample Info: 1088990,65557:5

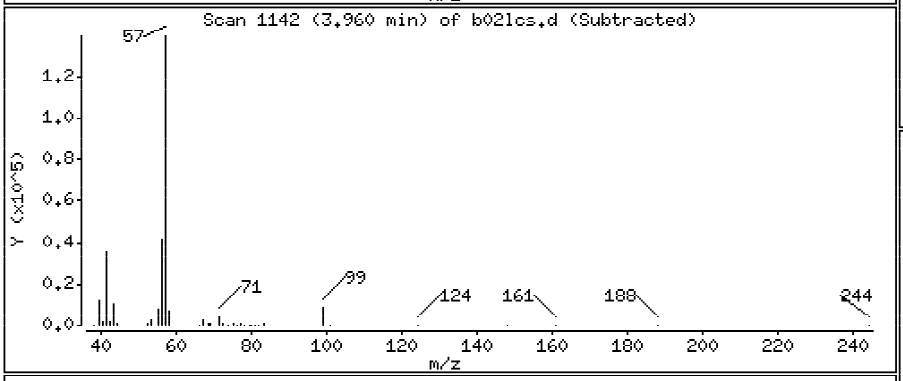
Purge Volume: 5.0 Operator: dae

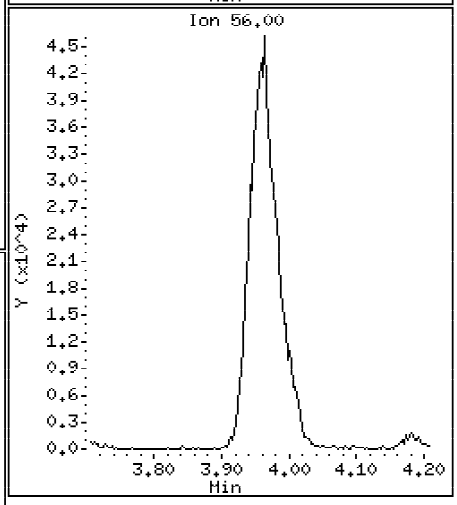
Column phase: DB-624 Column diameter: 0.18

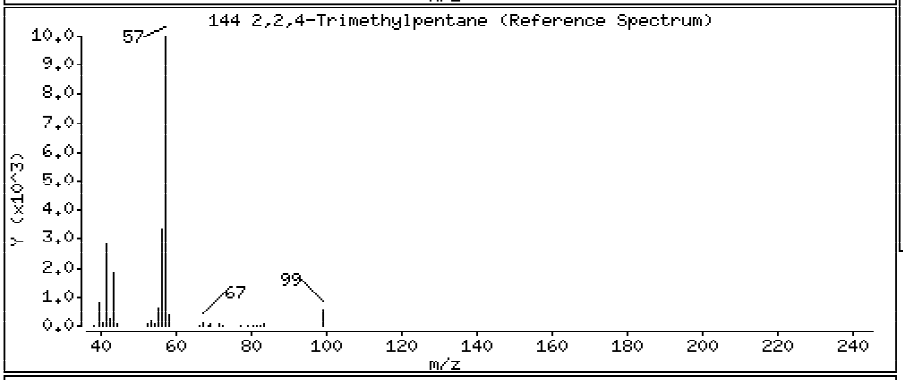
144 2,2,4-Trimethylpentane Concentration: 48.8 ppb

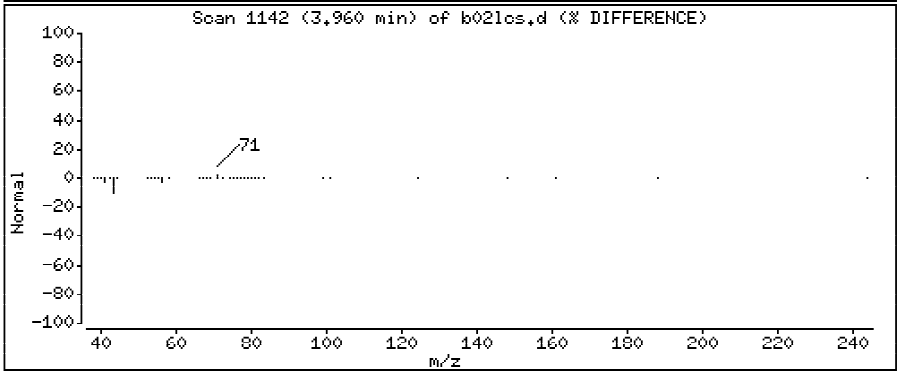












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 47

Date : 06-MAY-2014 12:21

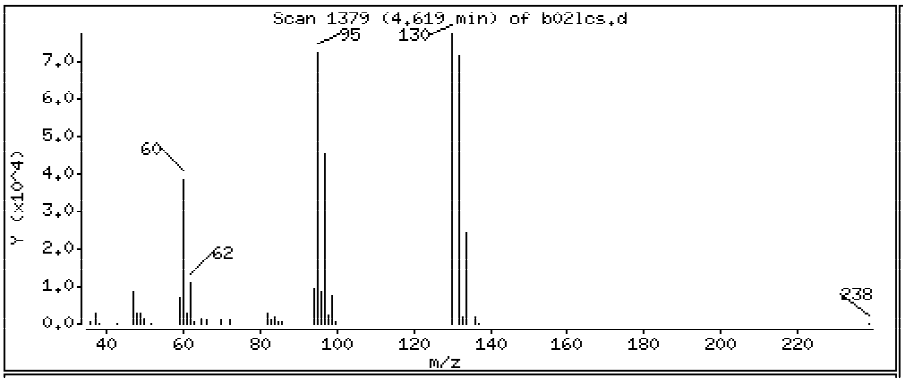
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

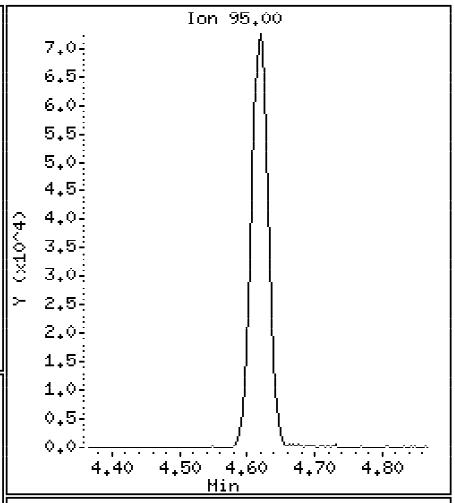
Sample Info: 1088990,65557:5

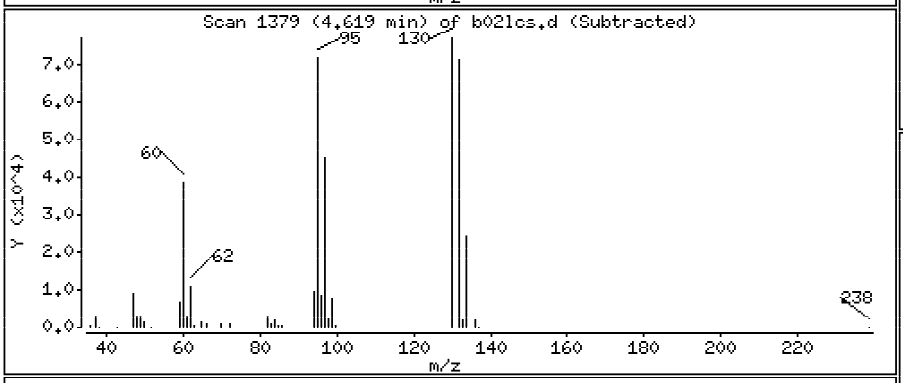
Purge Volume: 5.0 Operator: dae

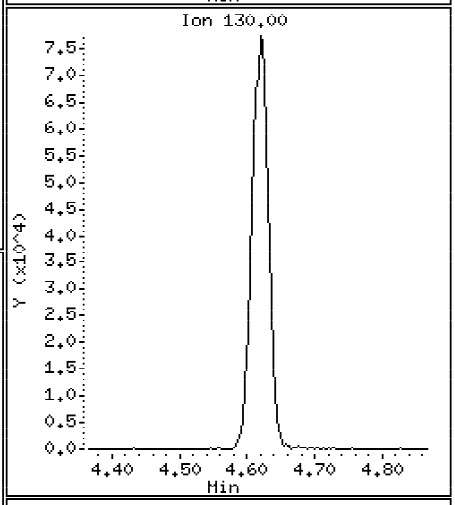
Column phase: DB-624 Column diameter: 0.18

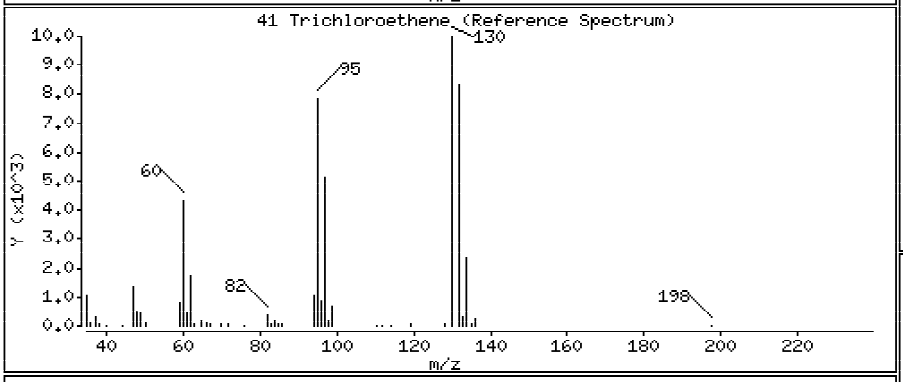
41 Trichloroethene Concentration: 45.2 ppb

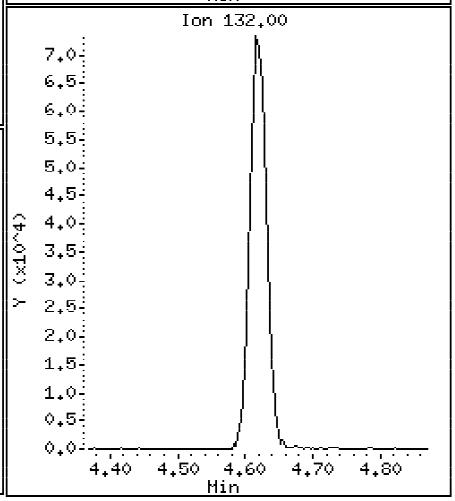


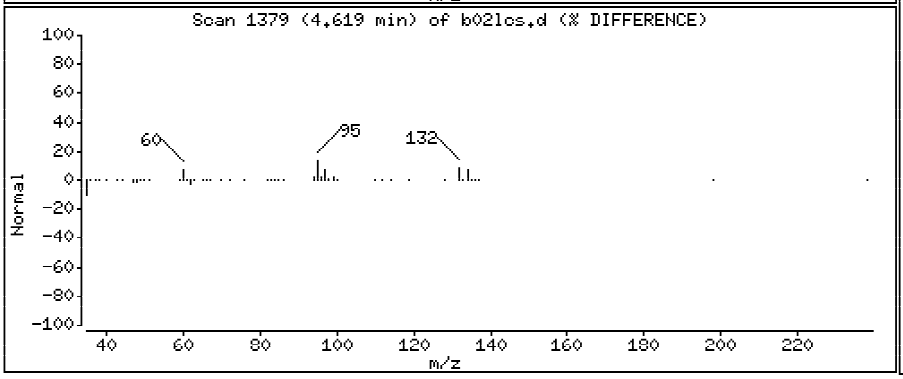












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 48

Date : 06-MAY-2014 12:21

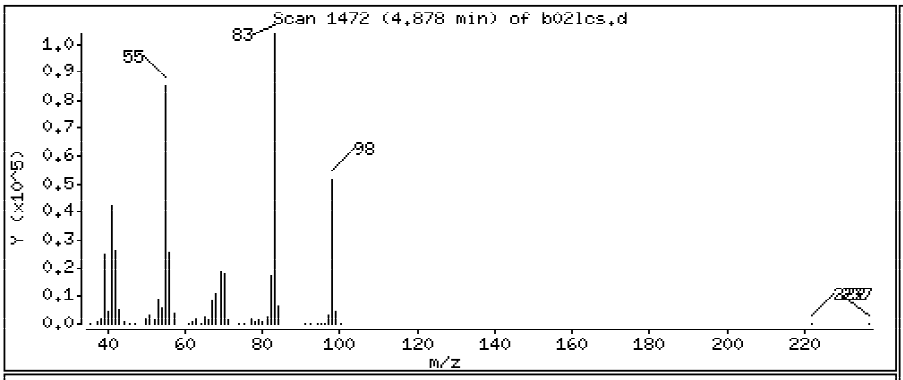
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

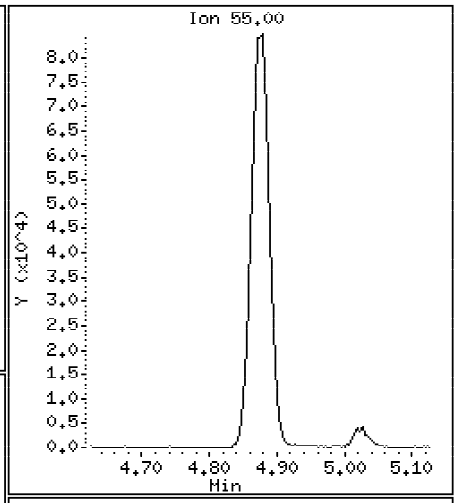
Sample Info: 1088990,65557:5

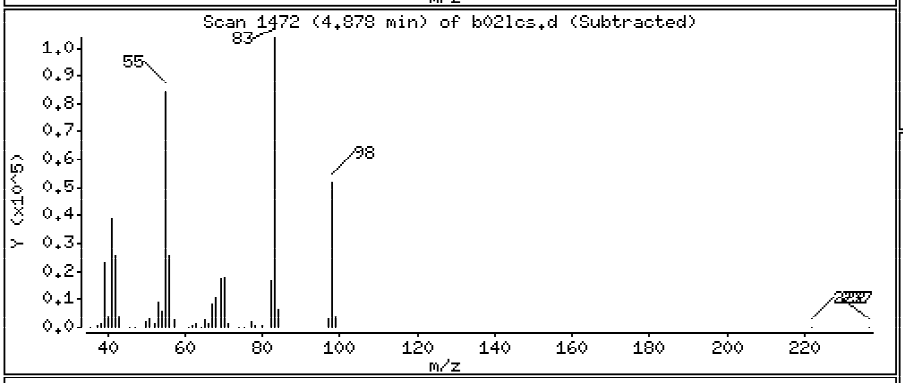
Purge Volume: 5.0 Operator: dae

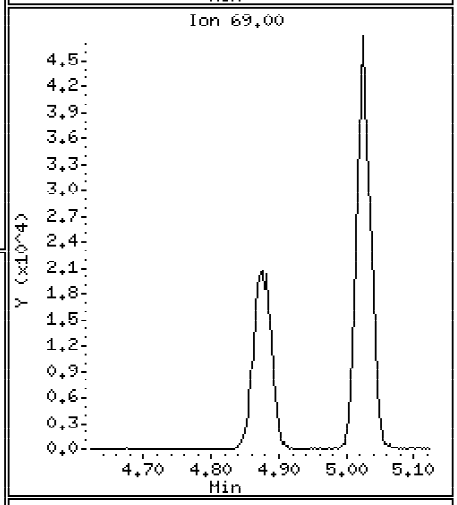
Column phase: DB-624 Column diameter: 0.18

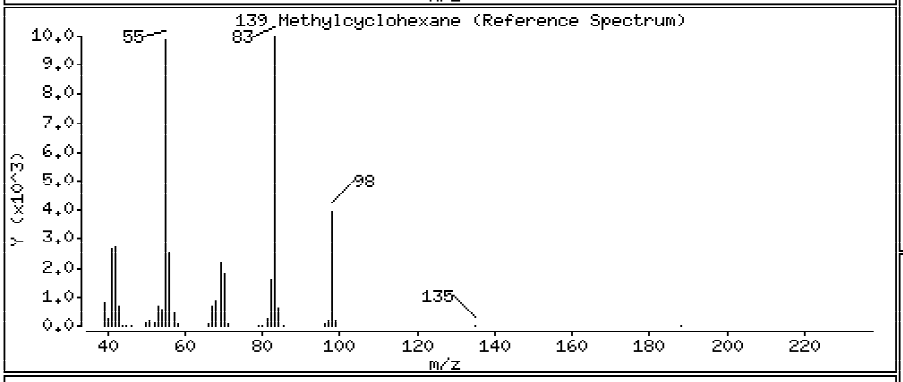
139 Methylcyclohexane Concentration: 52.0 ppb

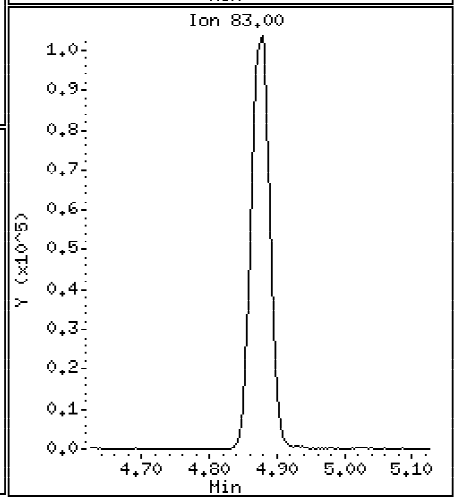


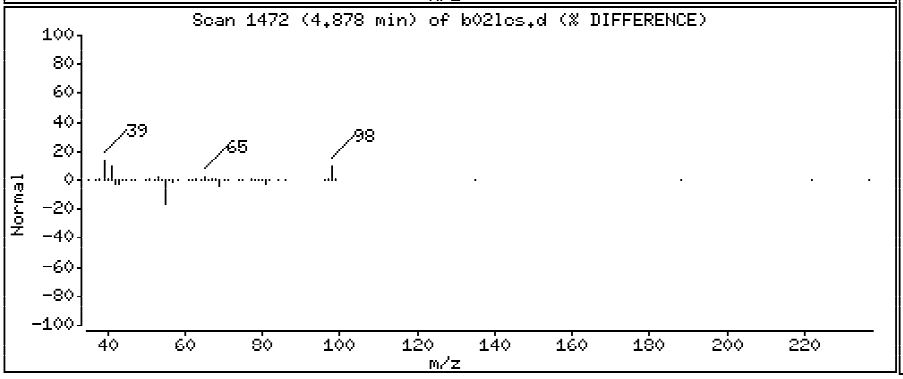












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 49

Date : 06-MAY-2014 12:21

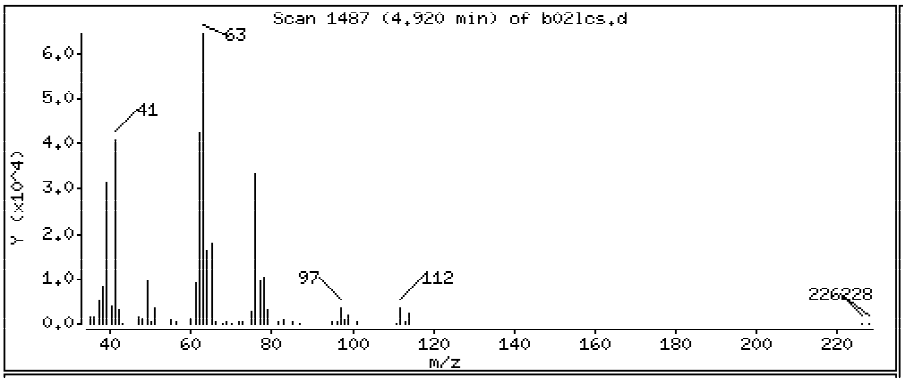
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

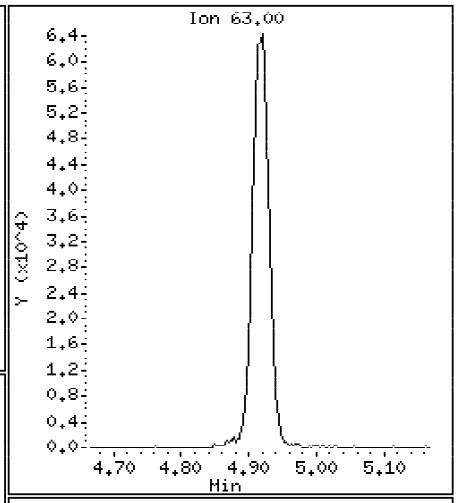
Sample Info: 1088990,65557:5

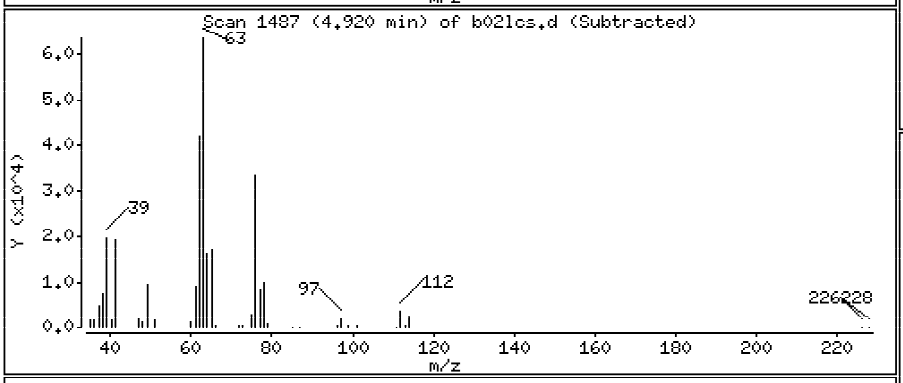
Purge Volume: 5.0 Operator: dae

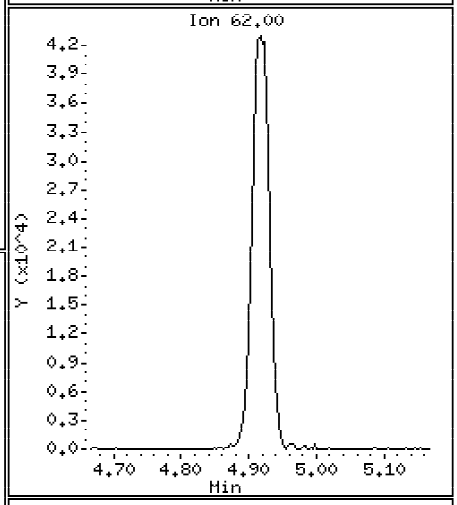
Column phase: DB-624 Column diameter: 0.18

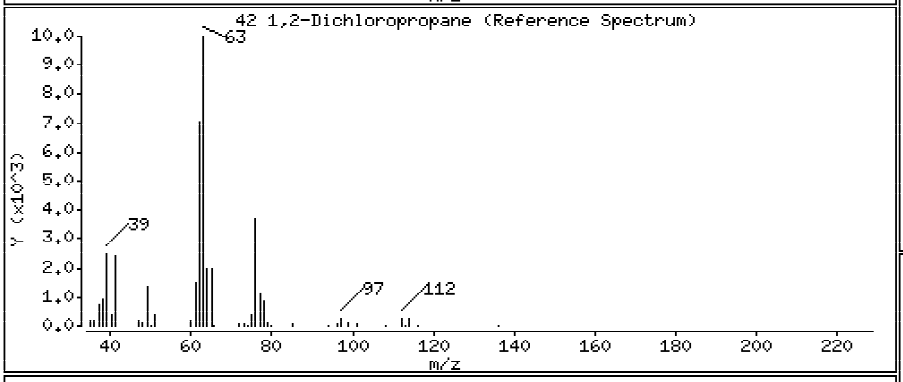
42 1,2-Dichloropropane Concentration: 46.3 ppb

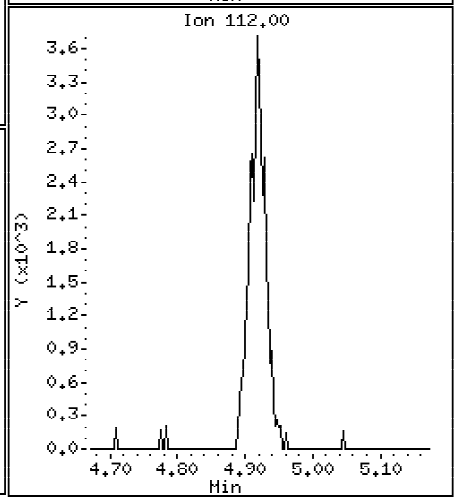


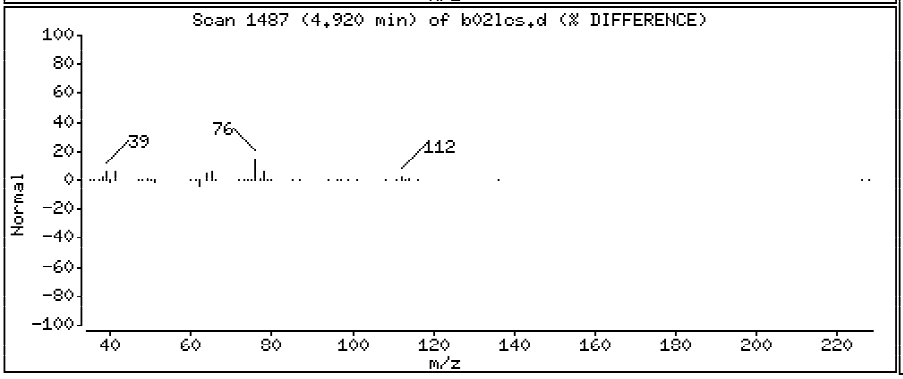












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 50

Date : 06-MAY-2014 12:21

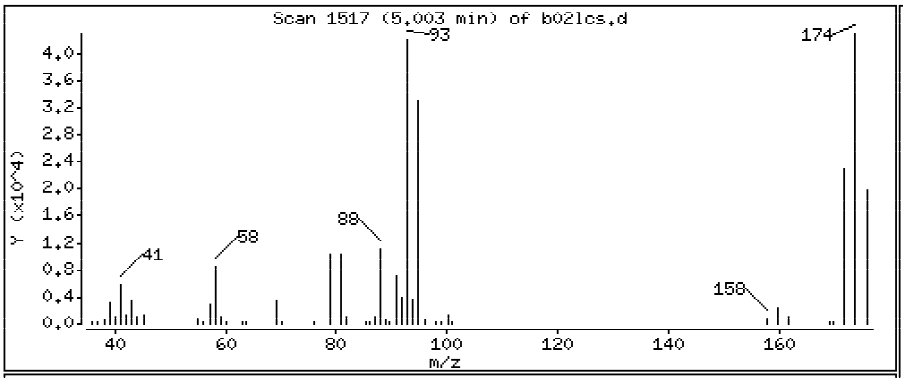
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

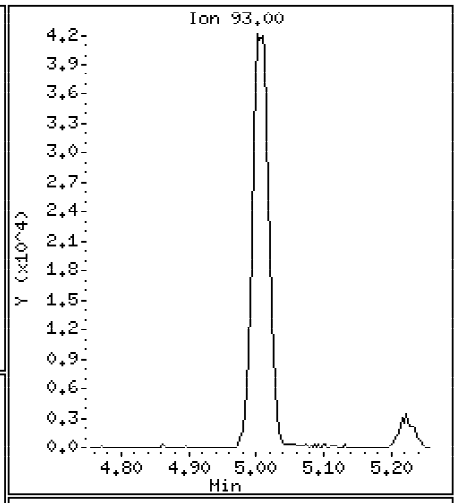
Sample Info: 1088990,65557:5

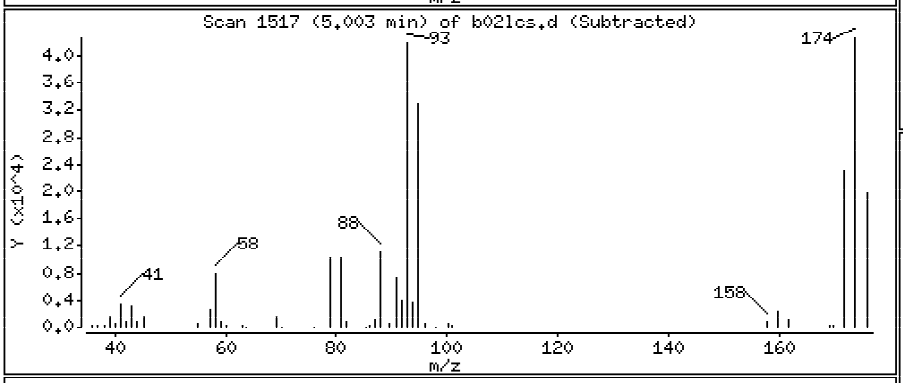
Purge Volume: 5.0 Operator: dae

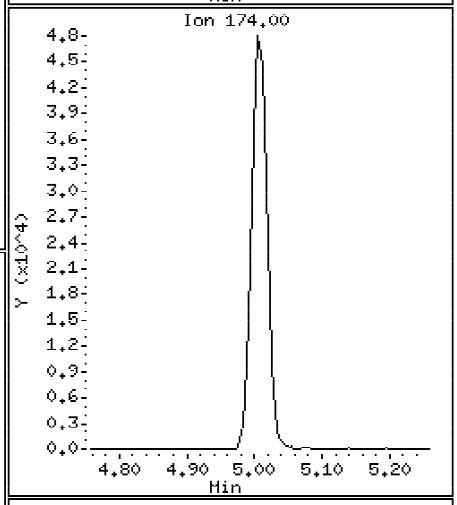
Column phase: DB-624 Column diameter: 0.18

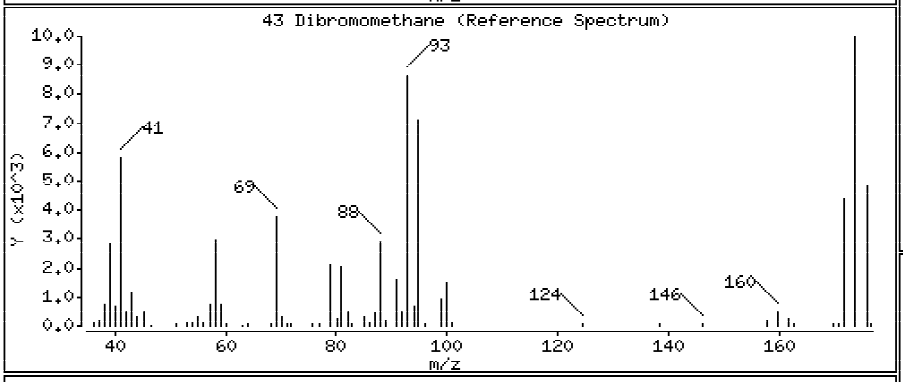
43 Dibromomethane Concentration: 42.6 ppb

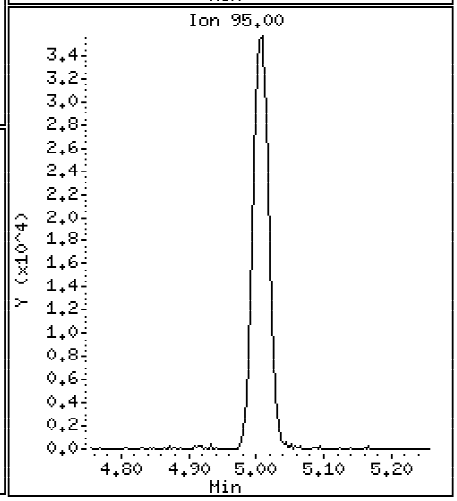


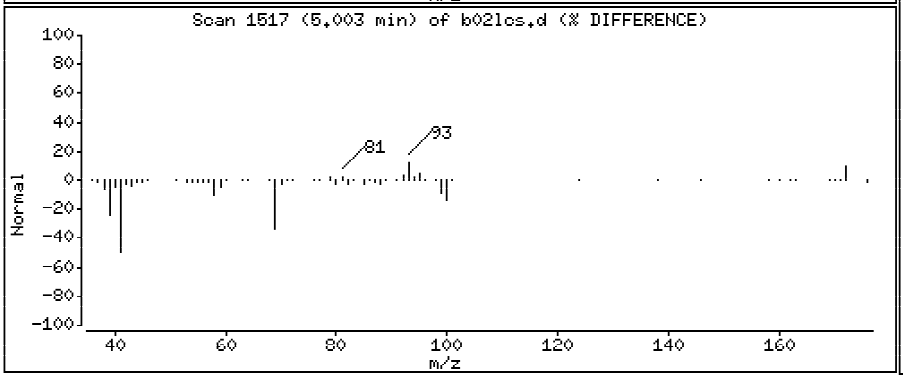












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 51

Date : 06-MAY-2014 12:21

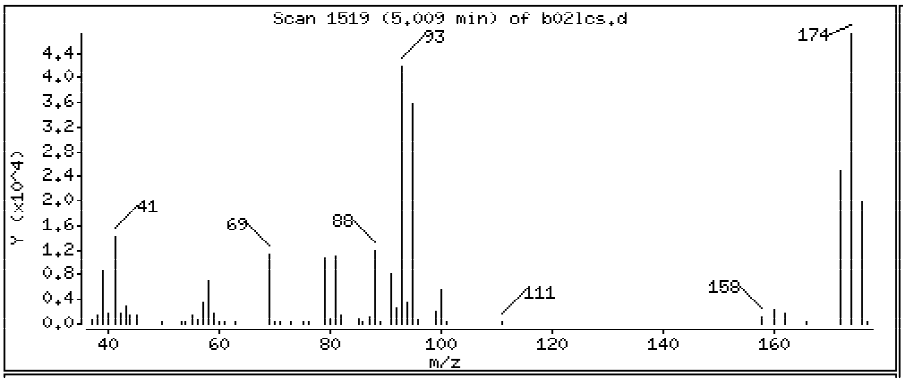
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

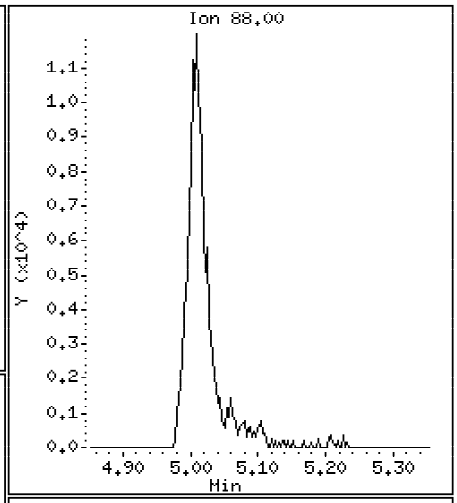
Sample Info: 1088990,65557:5

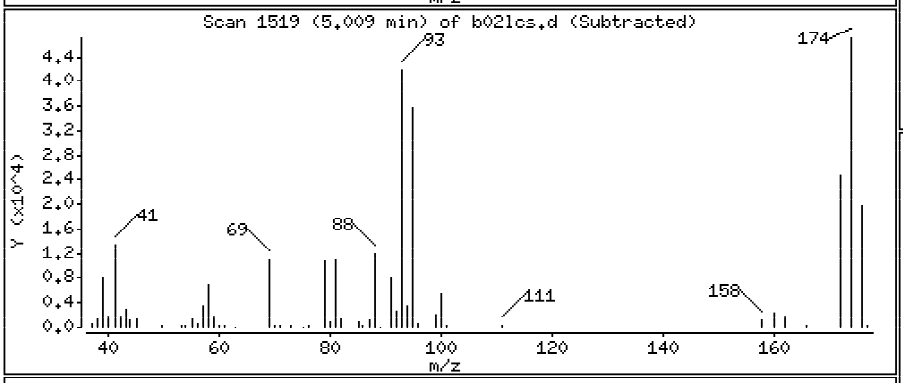
Purge Volume: 5.0 Operator: dae

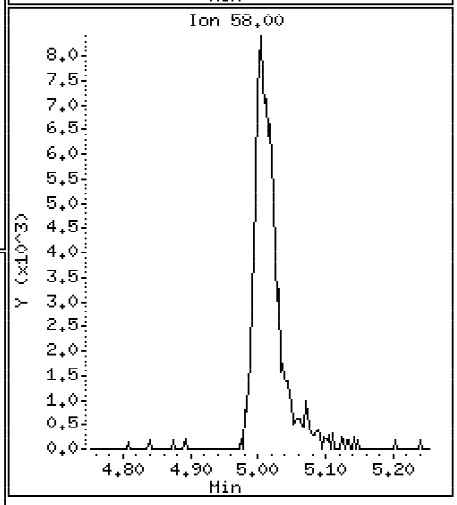
Column phase: DB-624 Column diameter: 0.18

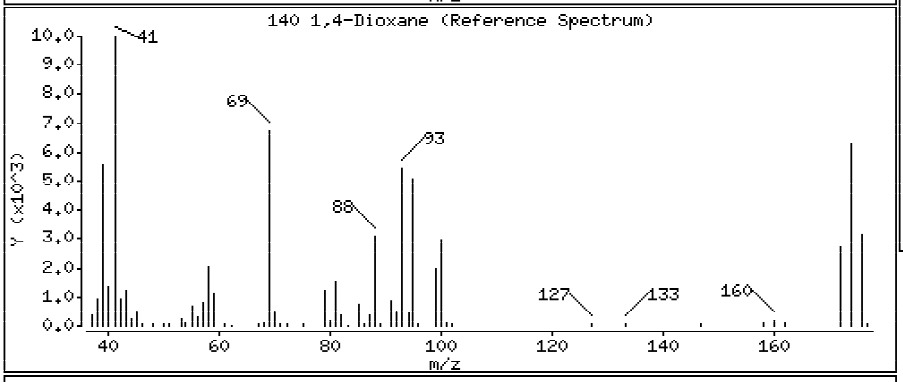
140 1,4-Dioxane Concentration: 42.1 ppb

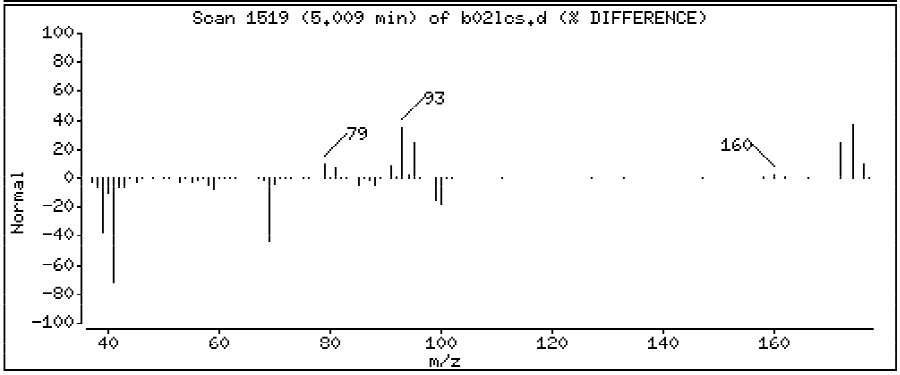












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 52

Date : 06-MAY-2014 12:21

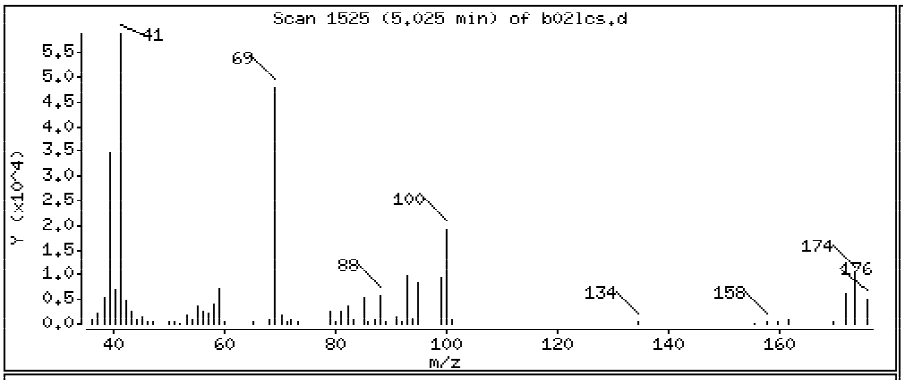
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

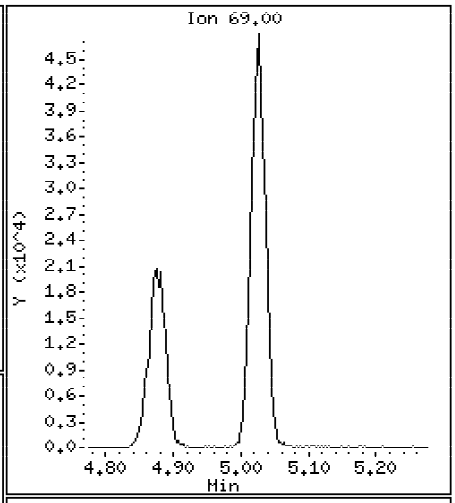
Sample Info: 1088990,65557:5

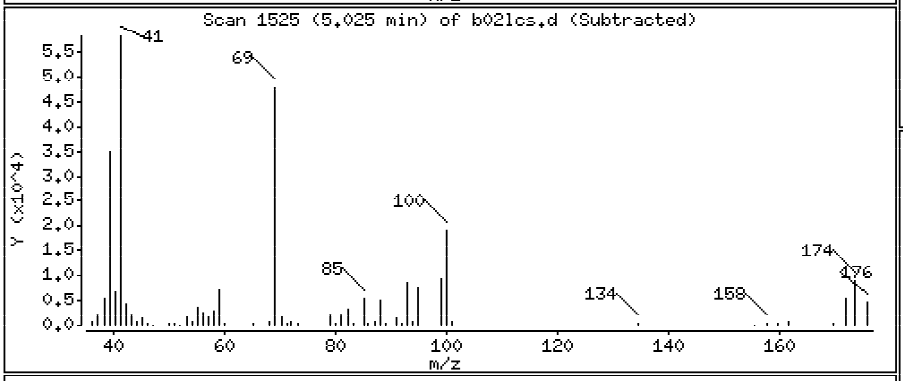
Purge Volume: 5.0 Operator: dae

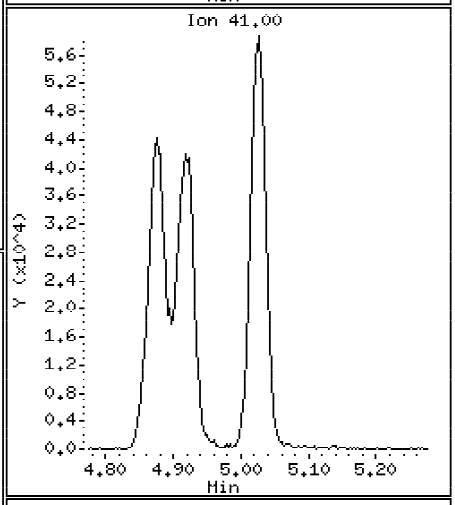
Column phase: DB-624 Column diameter: 0.18

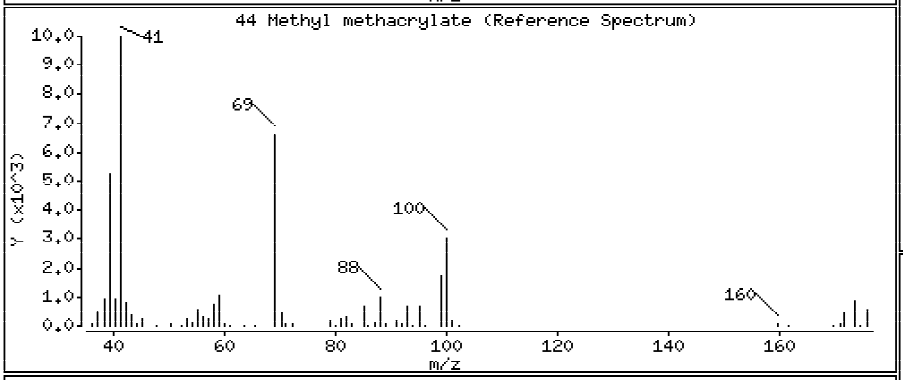
44 Methyl methacrylate Concentration: 43.8 ppb

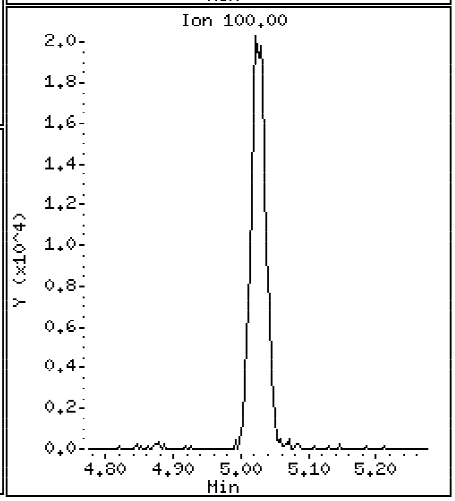


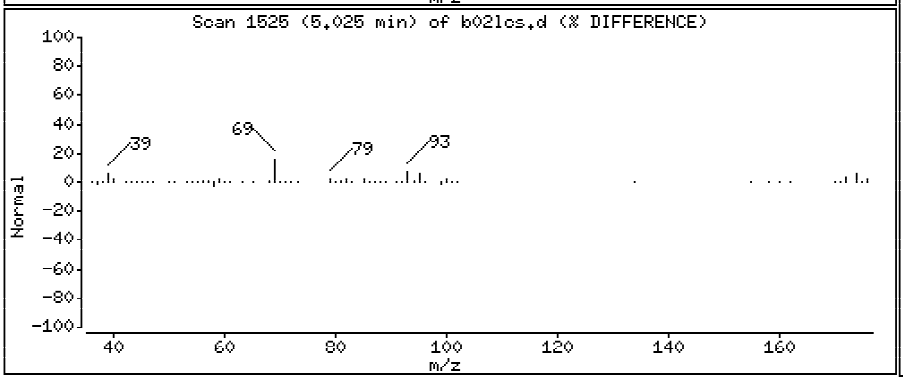












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 53

Date : 06-MAY-2014 12:21

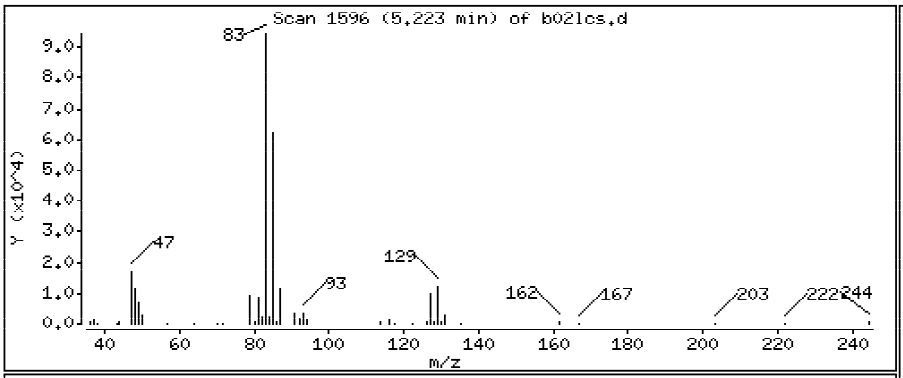
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

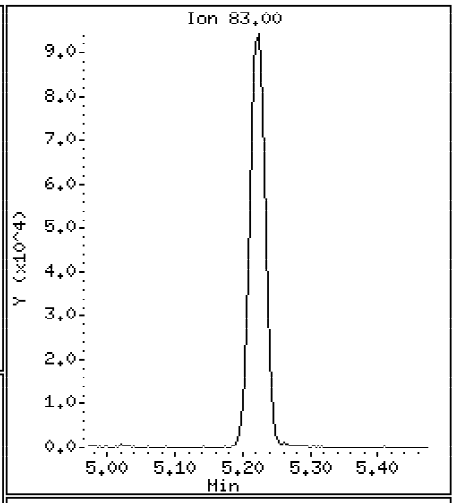
Sample Info: 1088990,65557:5

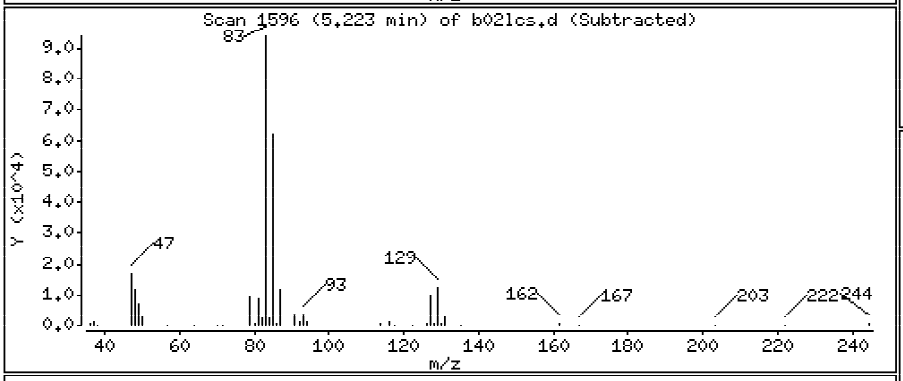
Purge Volume: 5.0 Operator: dae

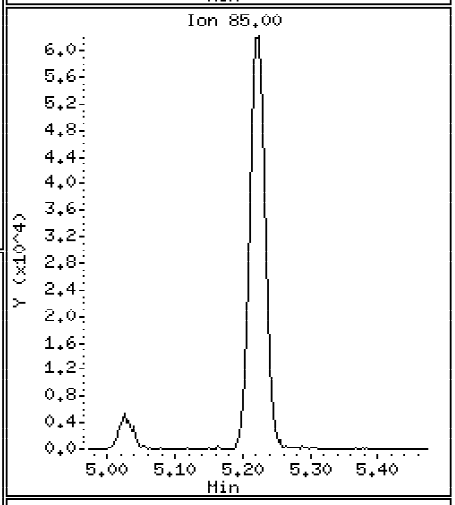
Column phase: DB-624 Column diameter: 0.18

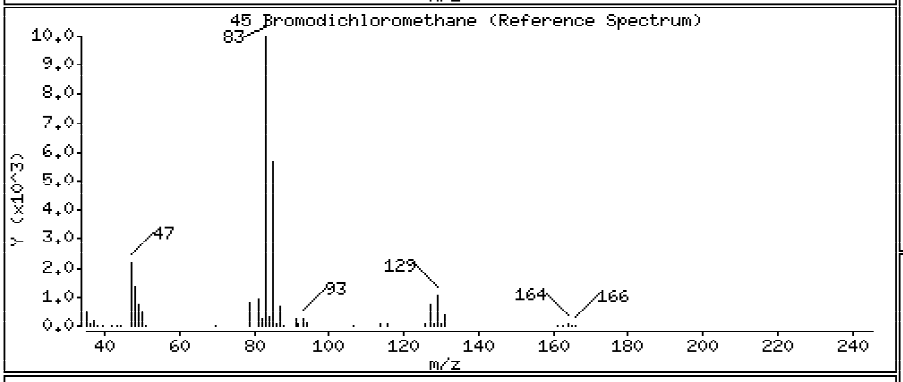
45 Bromodichloromethane Concentration: 48.2 ppb

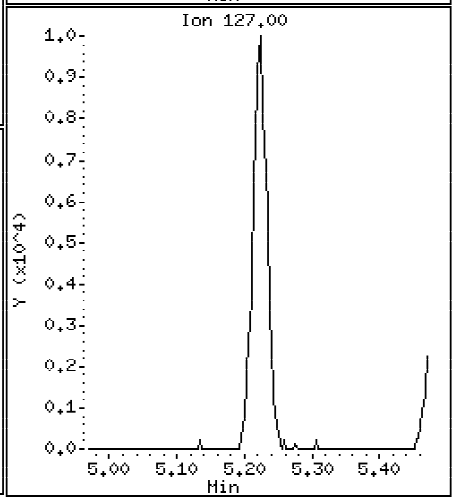


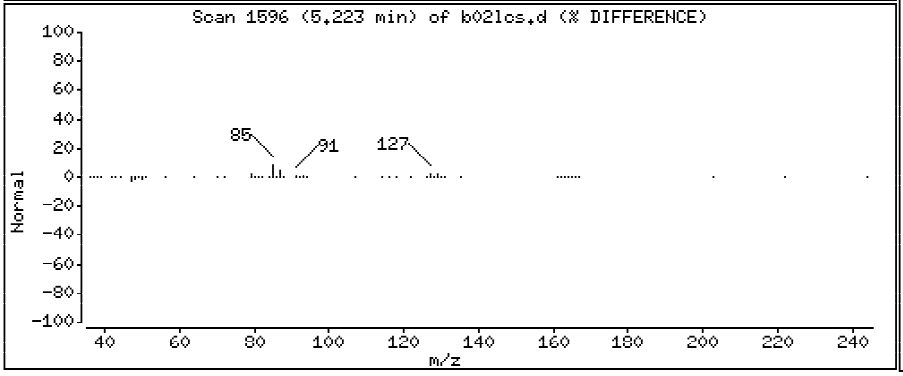












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 54

Date : 06-MAY-2014 12:21

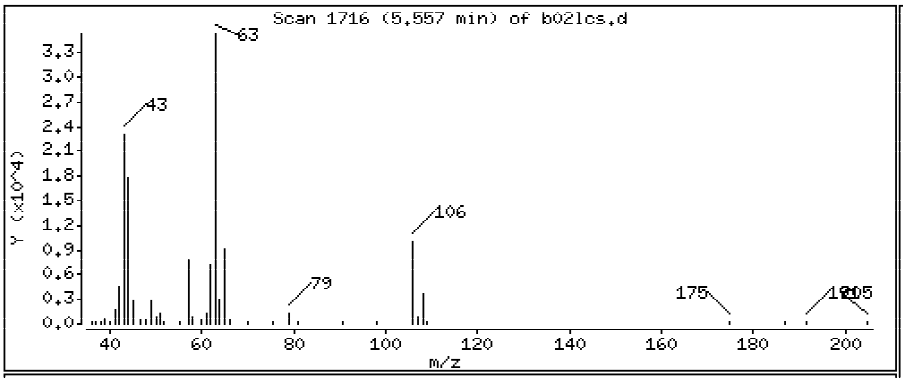
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

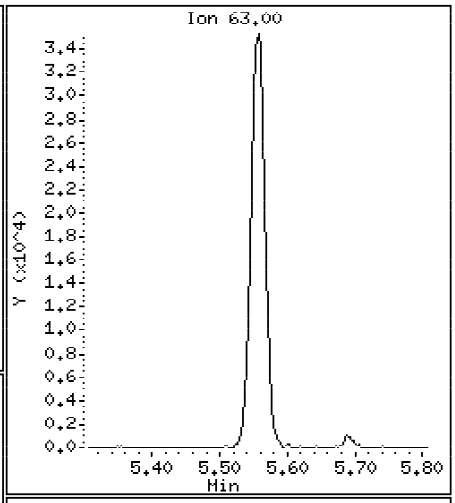
Sample Info: 1088990,65557:5

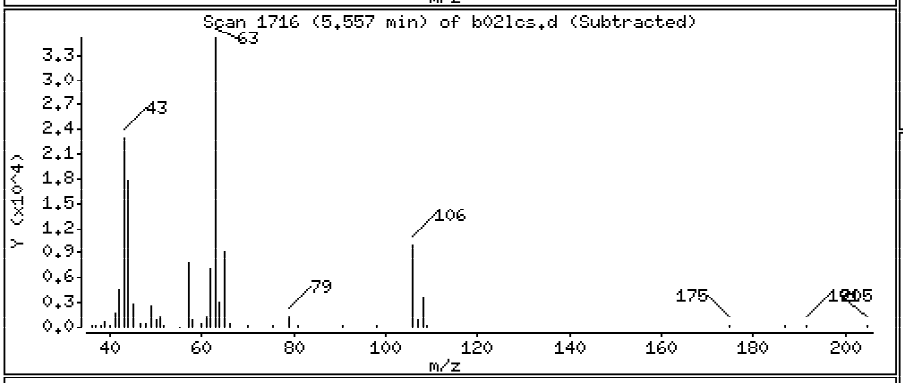
Purge Volume: 5.0 Operator: dae

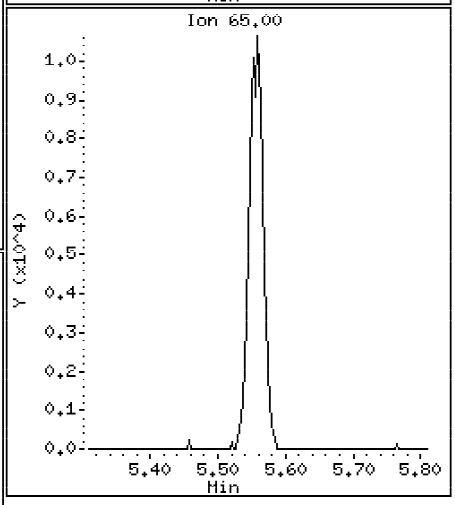
Column phase: DB-624 Column diameter: 0.18

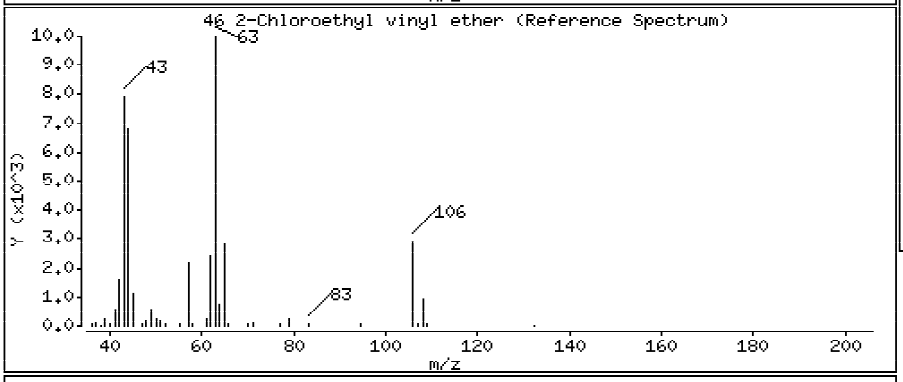
46 2-Chloroethyl vinyl ether Concentration: 118 ppb

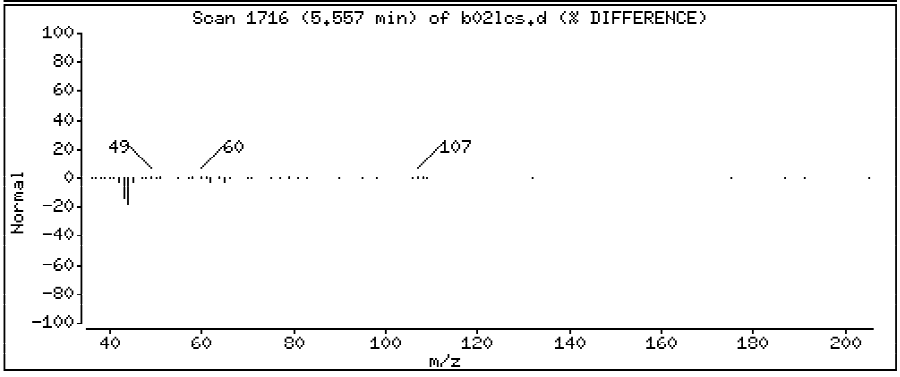












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 55

Date : 06-MAY-2014 12:21

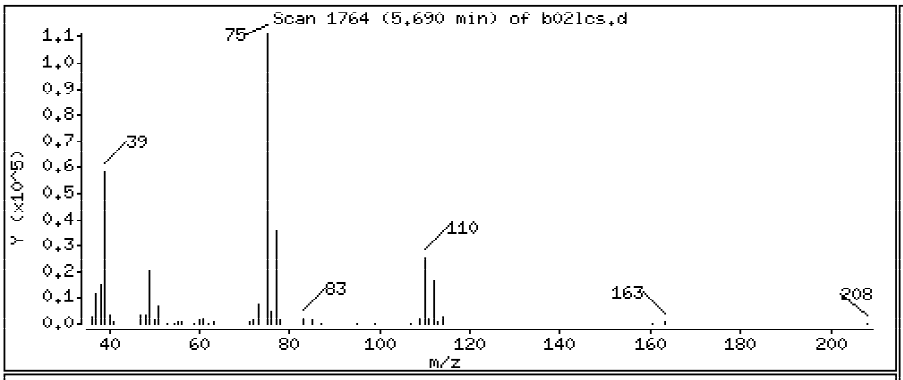
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

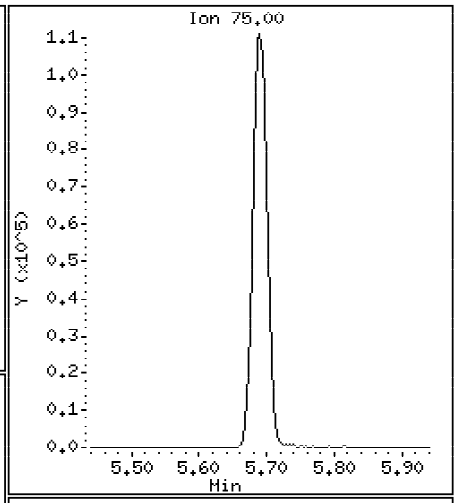
Sample Info: 1088990,65557:5

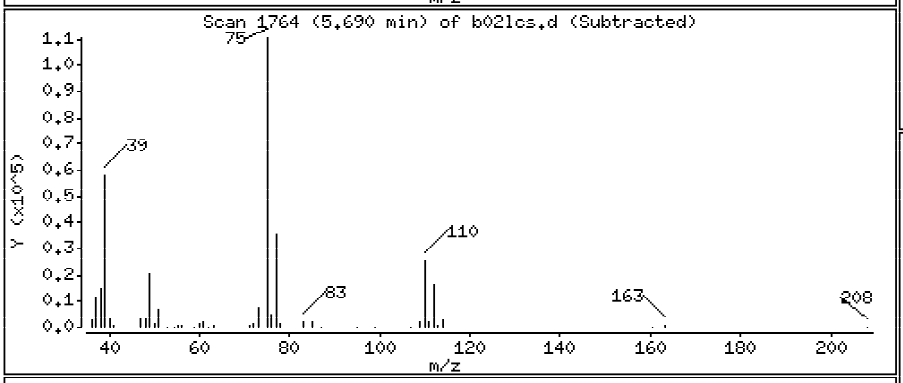
Purge Volume: 5.0 Operator: dae

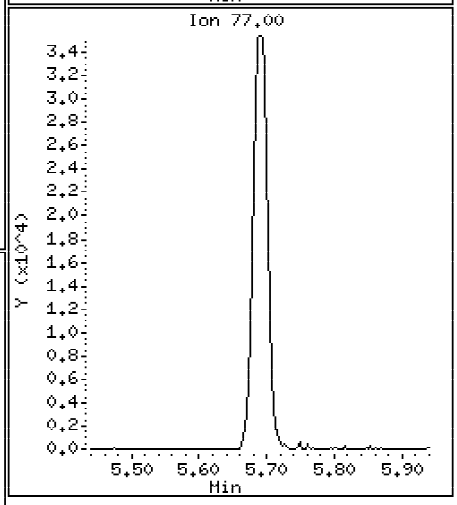
Column phase: DB-624 Column diameter: 0.18

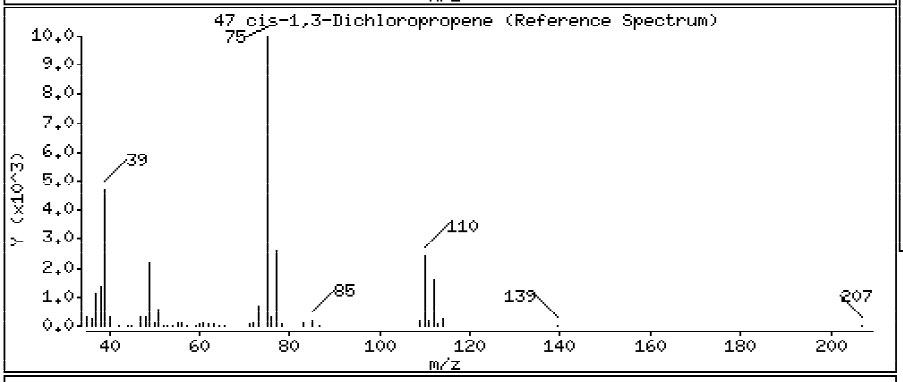
47 cis-1,3-Dichloropropene Concentration: 45.8 ppb

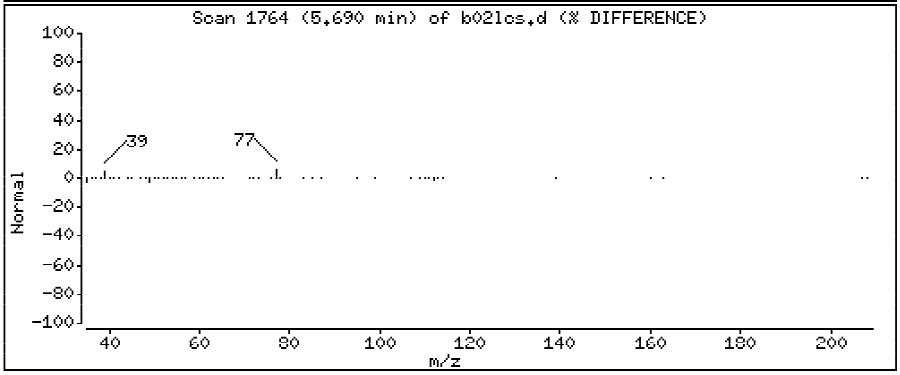












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 56

Date : 06-MAY-2014 12:21

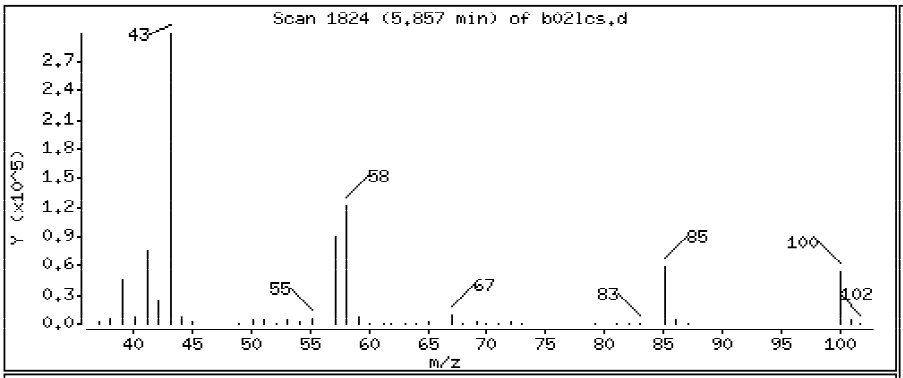
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

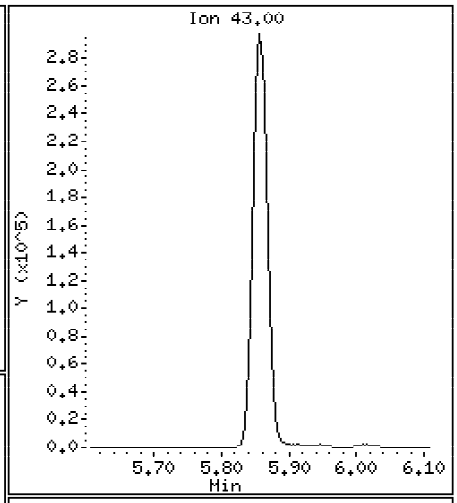
Sample Info: 1088990,65557:5

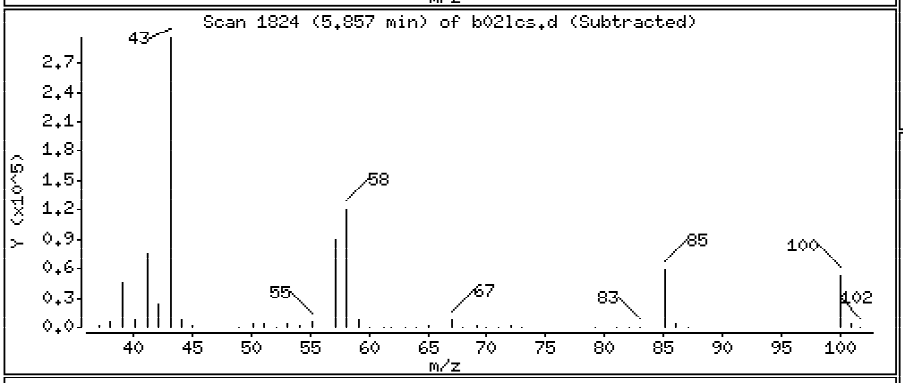
Purge Volume: 5.0 Operator: dae

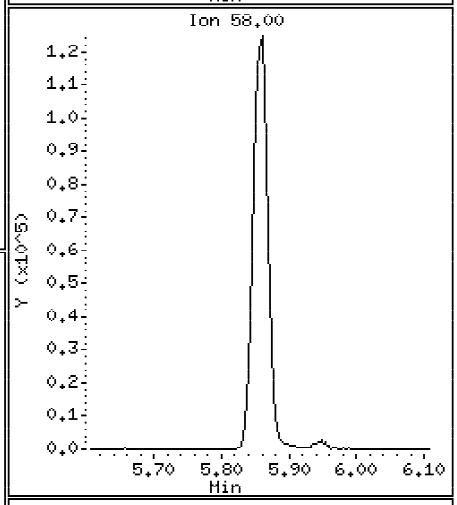
Column phase: DB-624 Column diameter: 0.18

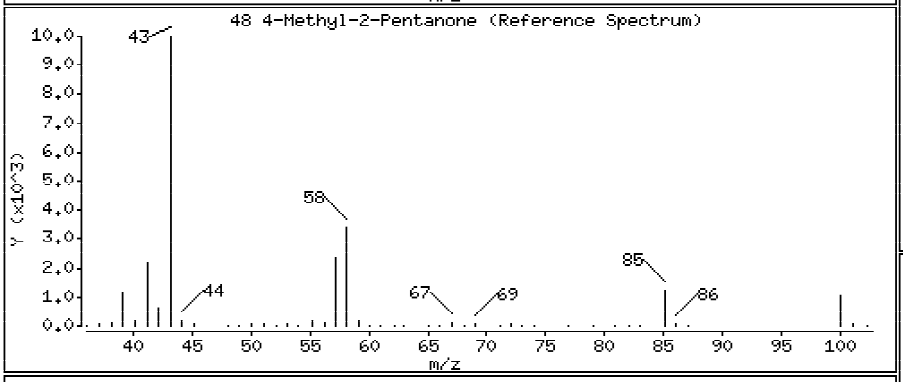
48 4-Methyl-2-Pentanone Concentration: 238 ppb

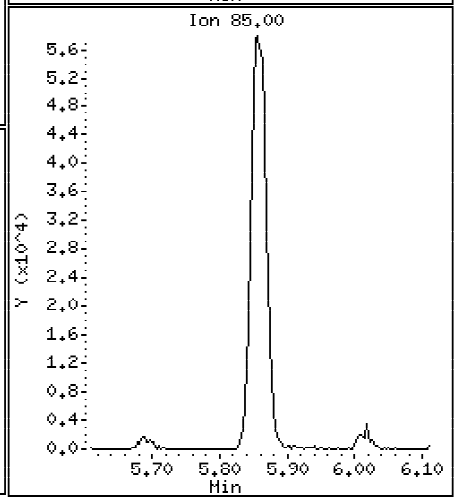


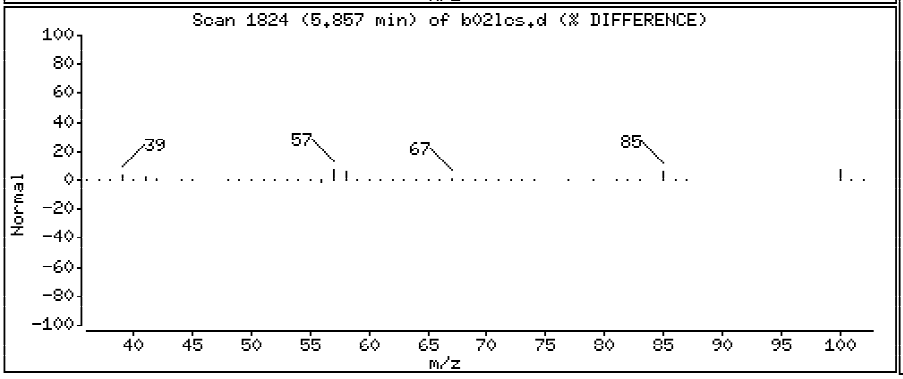












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 57

Date : 06-MAY-2014 12:21

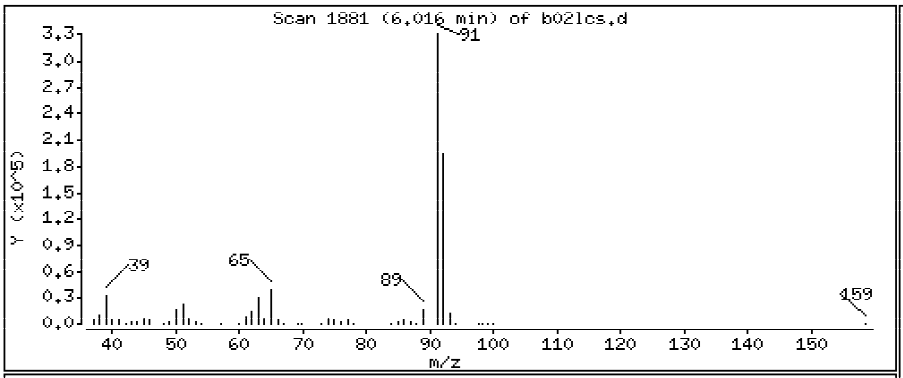
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

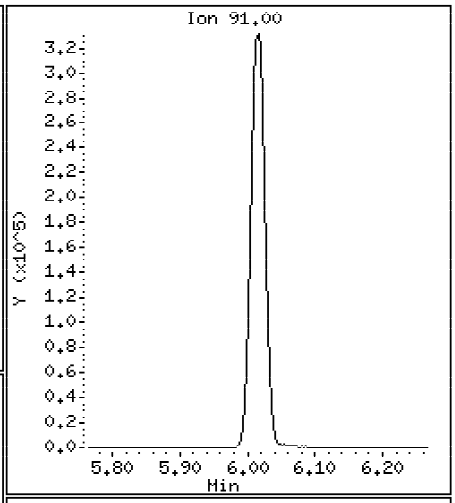
Sample Info: 1088990,65557:5

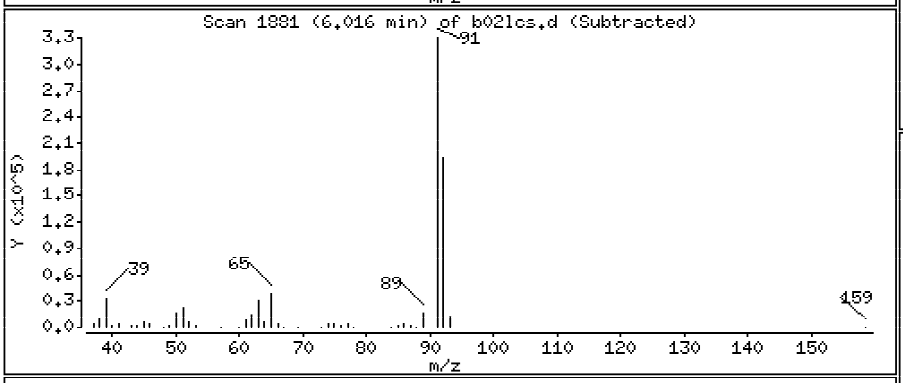
Purge Volume: 5.0 Operator: dae

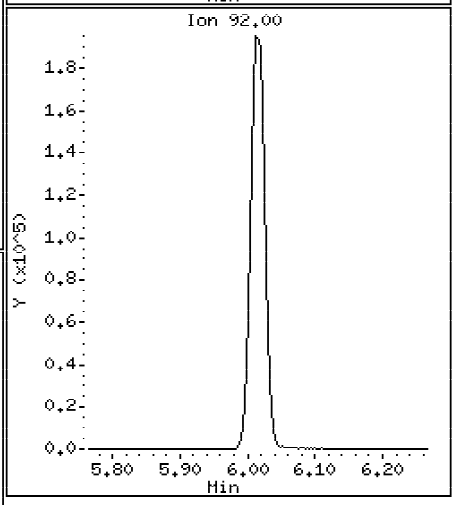
Column phase: DB-624 Column diameter: 0.18

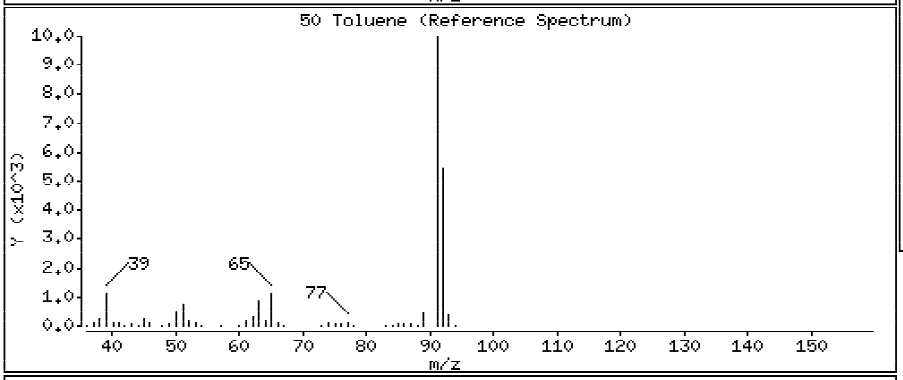
50 Toluene Concentration: 48.8 ppb

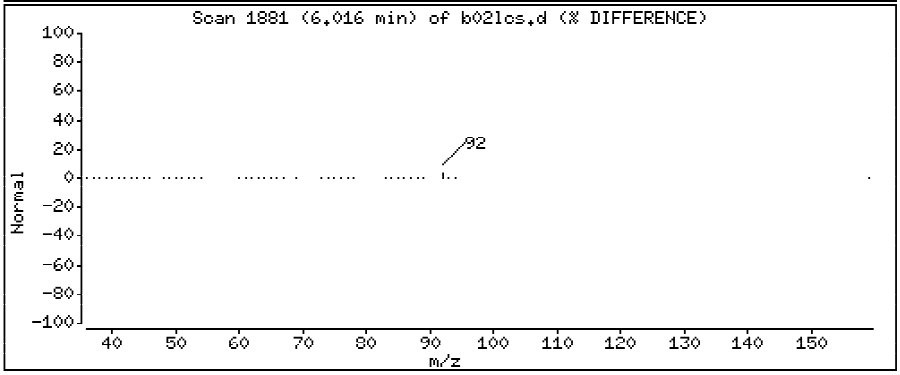












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 58

Date : 06-MAY-2014 12:21

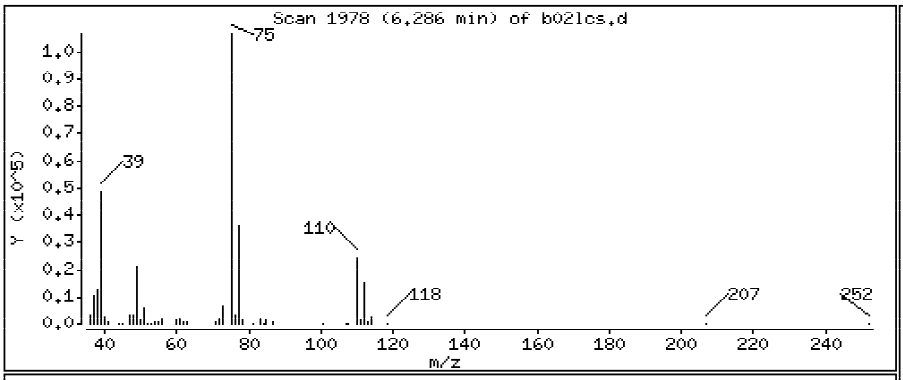
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

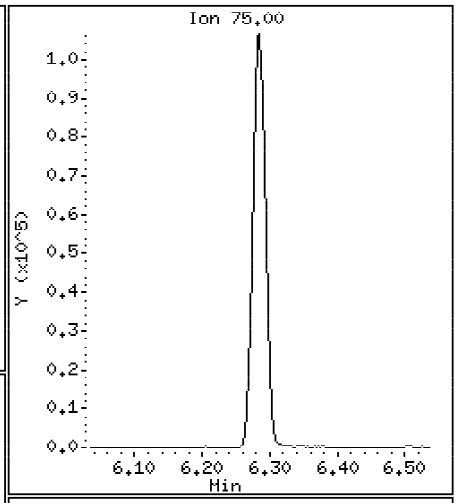
Sample Info: 1088990,65557:5

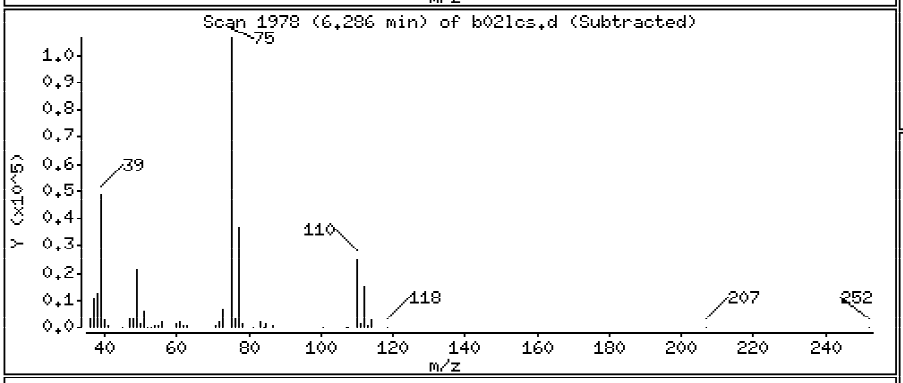
Purge Volume: 5.0 Operator: dae

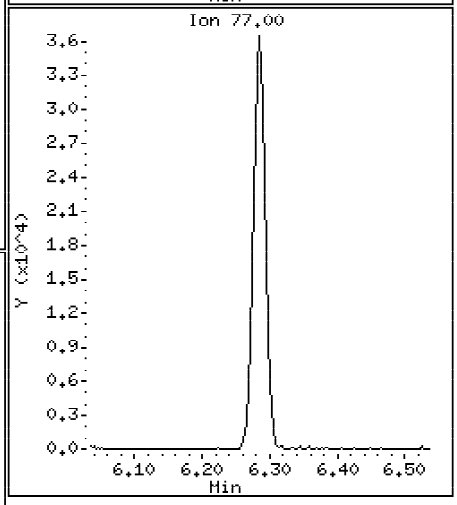
Column phase: DB-624 Column diameter: 0.18

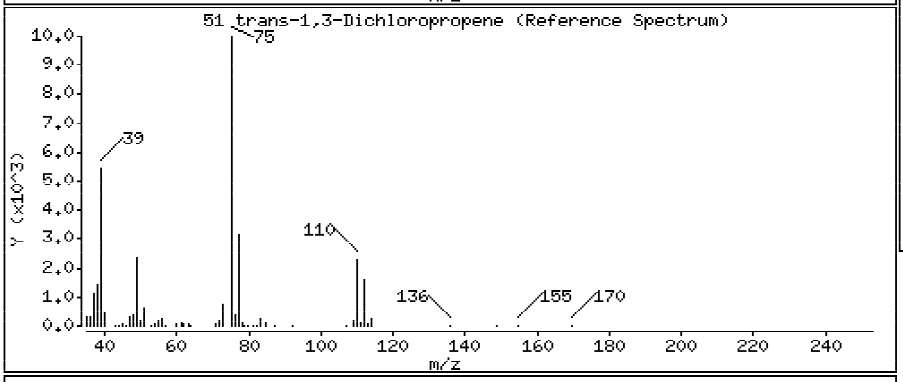
51 trans-1,3-Dichloropropene Concentration: 44.6 ppb

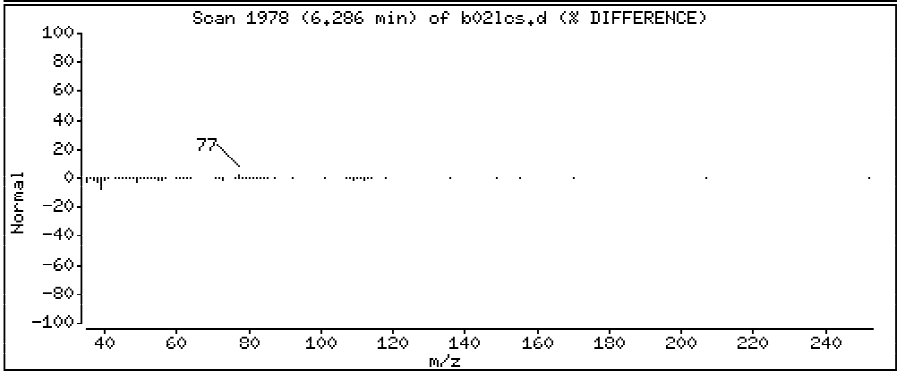












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 59

Date : 06-MAY-2014 12:21

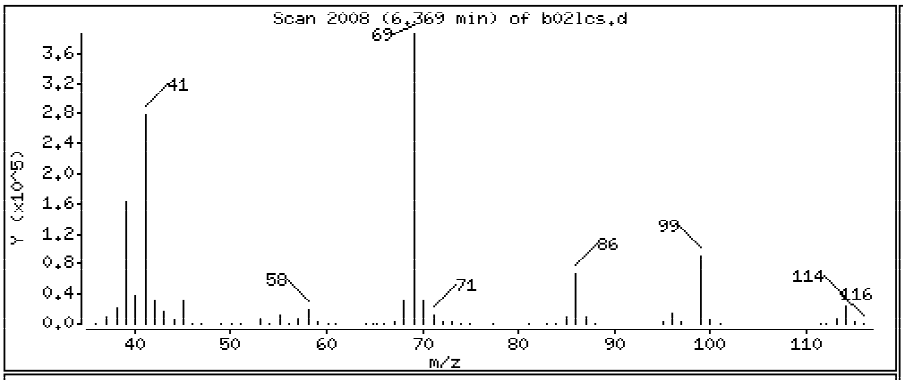
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

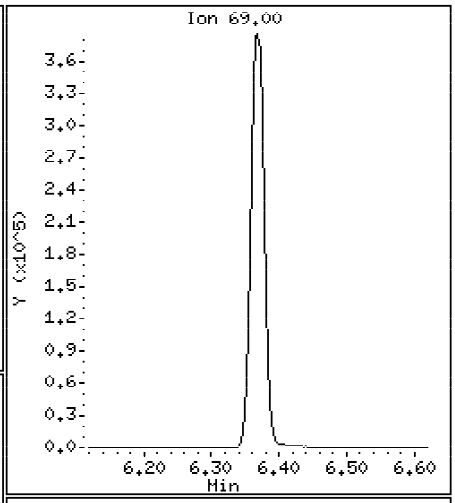
Sample Info: 1088990,65557:5

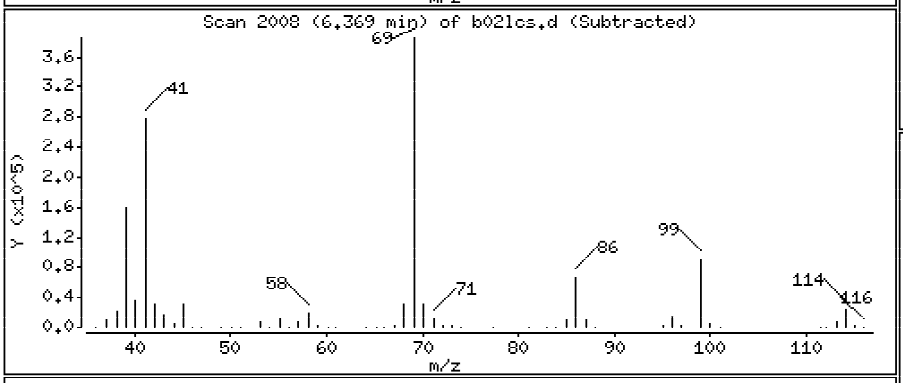
Purge Volume: 5.0 Operator: dae

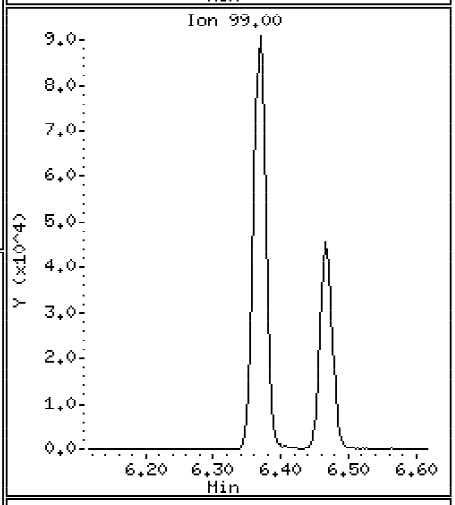
Column phase: DB-624 Column diameter: 0.18

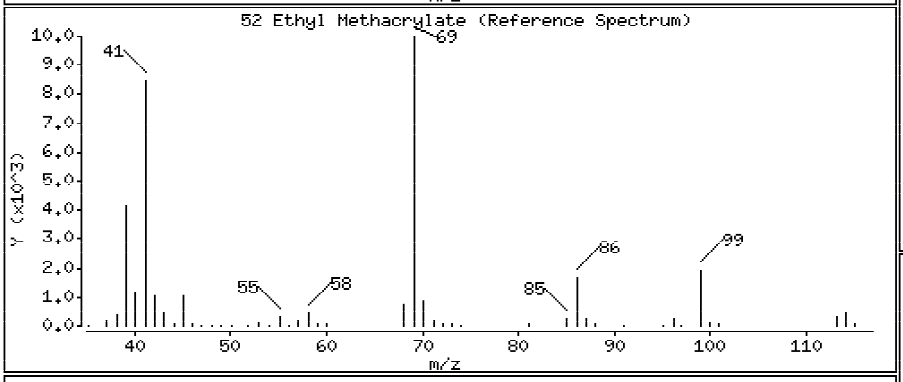
52 Ethyl Methacrylate Concentration: 204 ppb

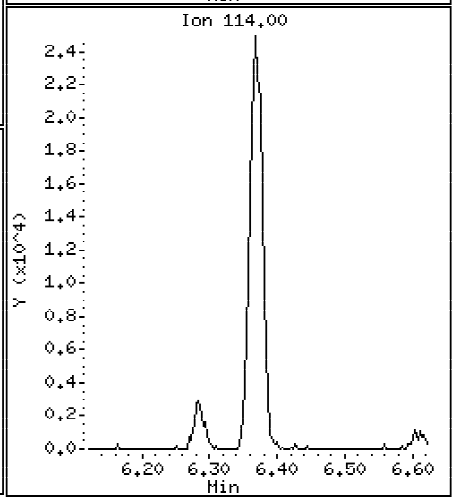


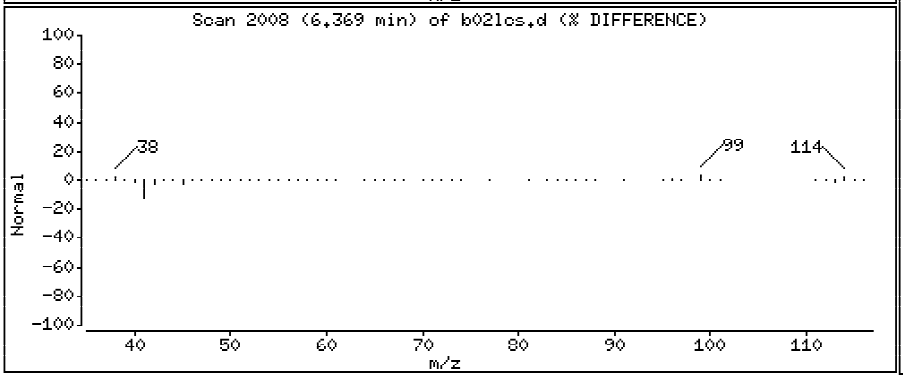












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 60

Date : 06-MAY-2014 12:21

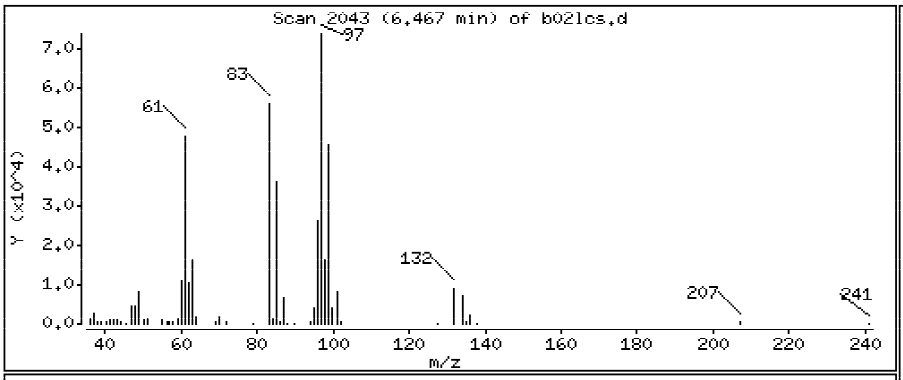
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

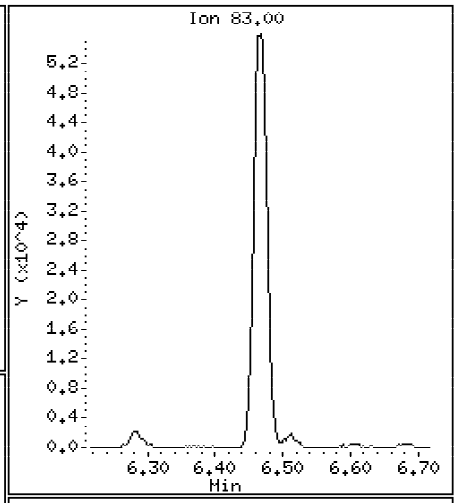
Sample Info: 1088990,65557:5

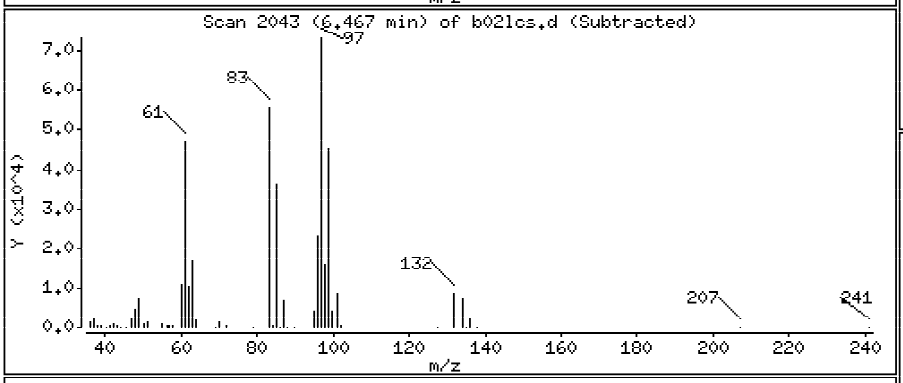
Purge Volume: 5.0 Operator: dae

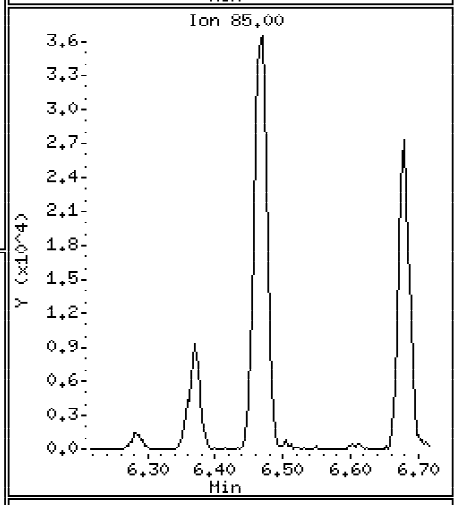
Column phase: DB-624 Column diameter: 0.18

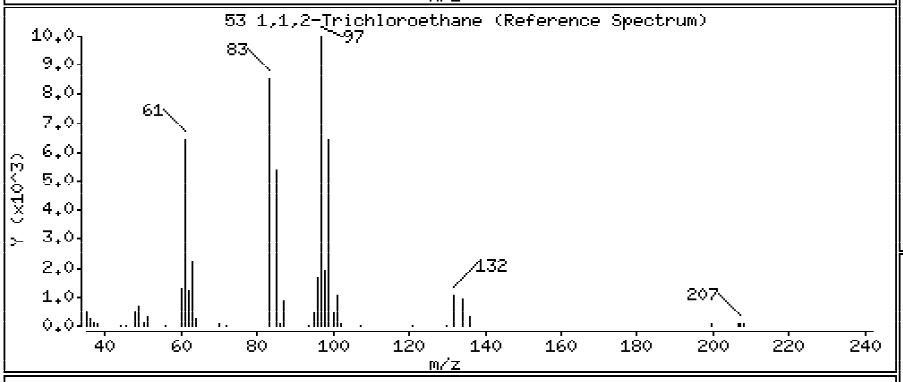
53 1,1,2-Trichloroethane Concentration: 48.6 ppb

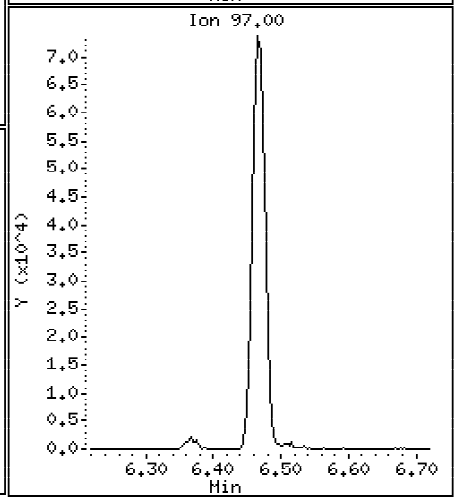


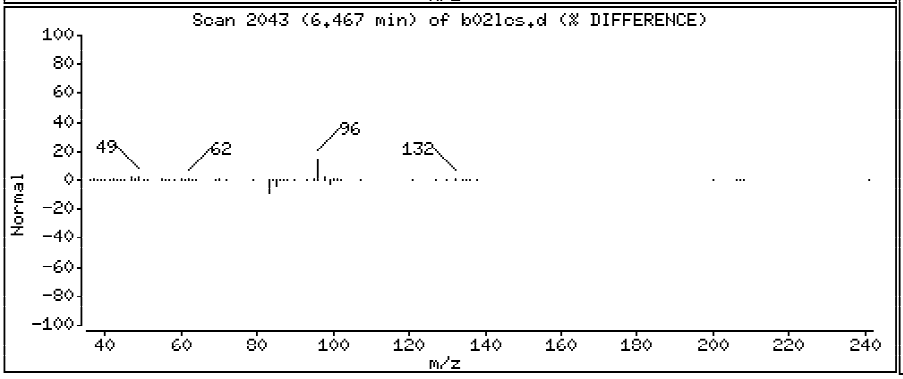












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 61

Date : 06-MAY-2014 12:21

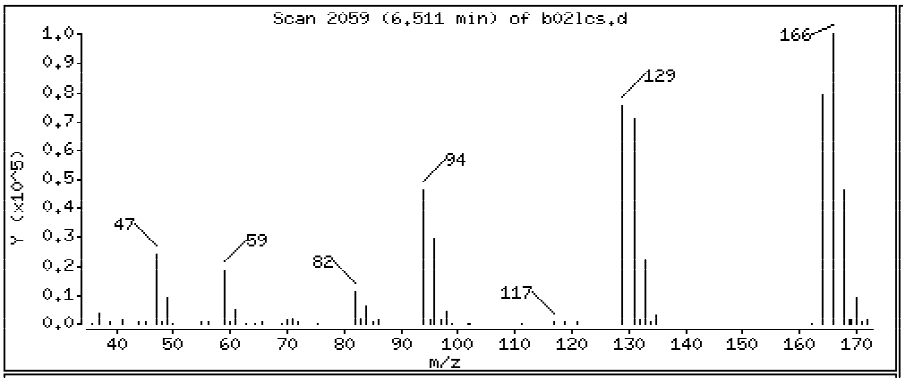
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

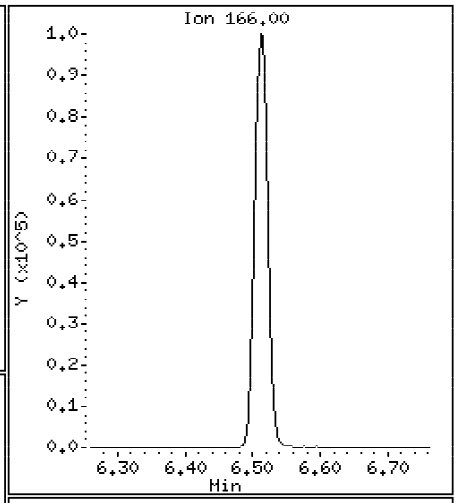
Sample Info: 1088990,65557:5

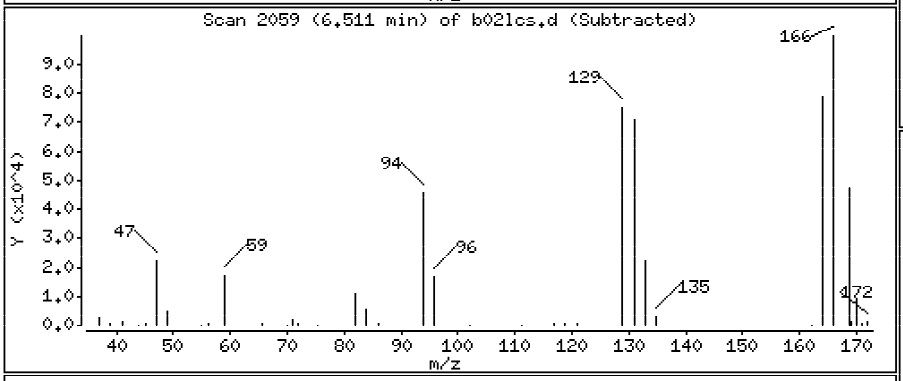
Purge Volume: 5.0 Operator: dae

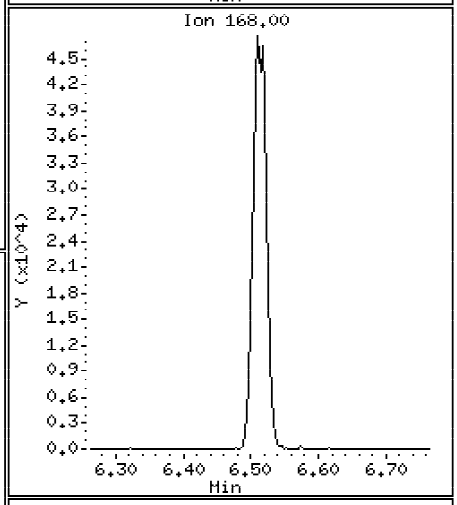
Column phase: DB-624 Column diameter: 0.18

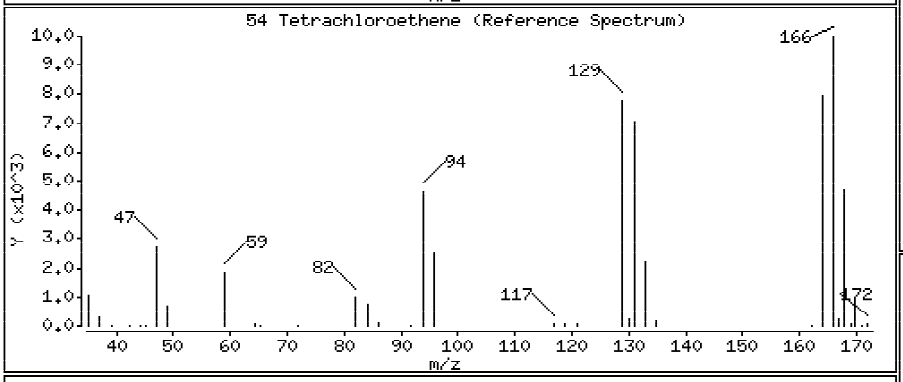
54 Tetrachloroethene Concentration: 50.0 ppb

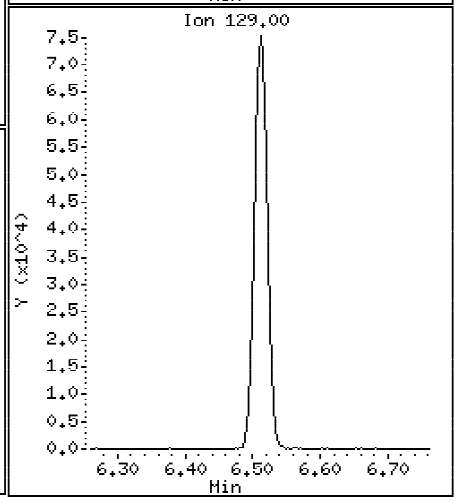


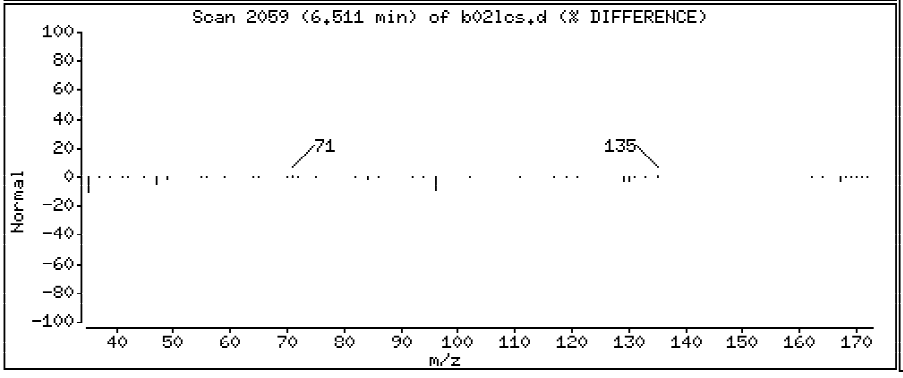












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 62

Date : 06-MAY-2014 12:21

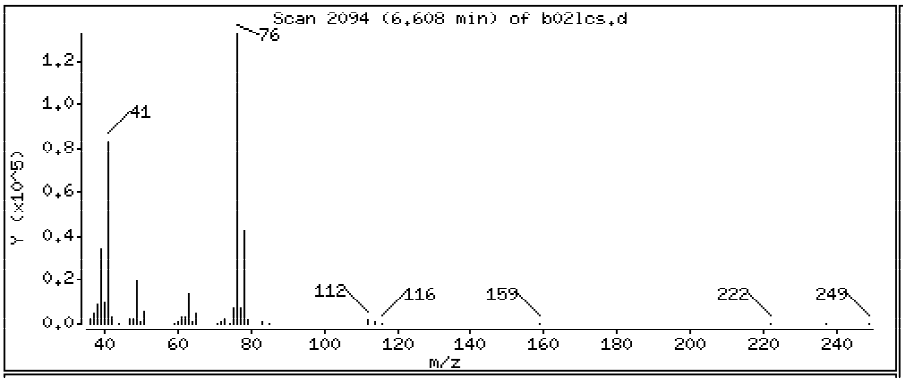
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

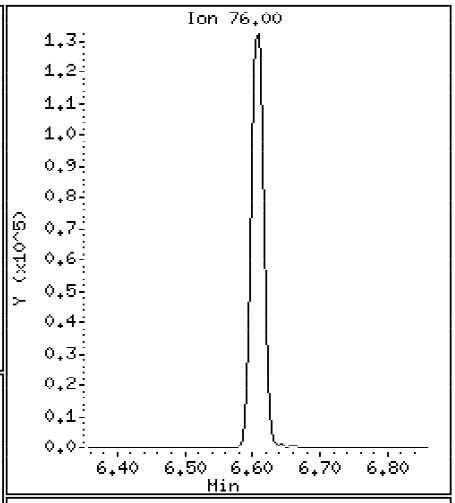
Sample Info: 1088990,65557:5

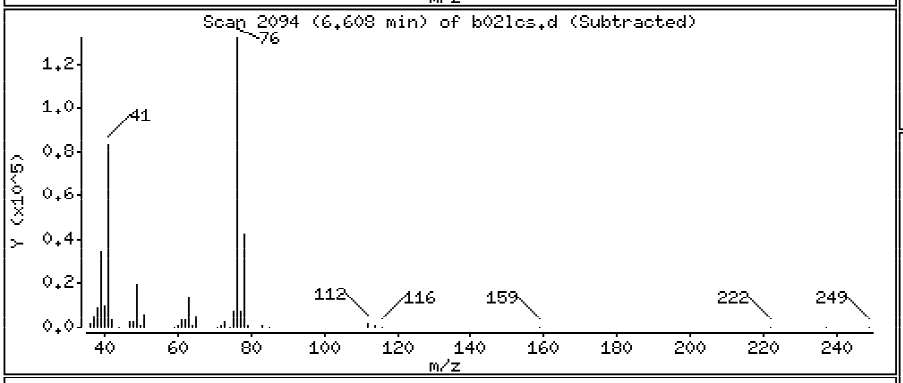
Purge Volume: 5.0 Operator: dae

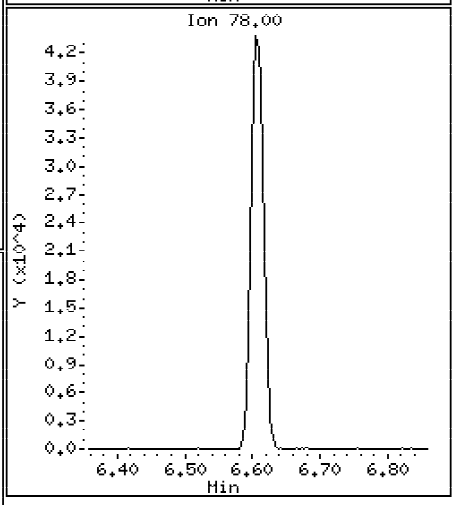
Column phase: DB-624 Column diameter: 0.18

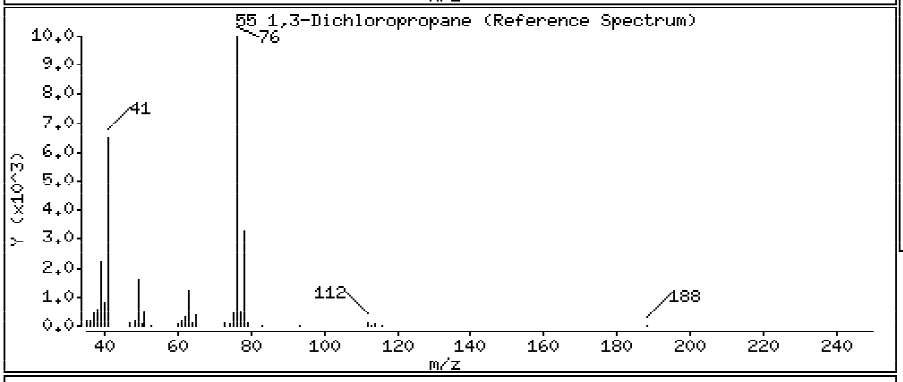
55 1,3-Dichloropropane Concentration: 50.1 ppb

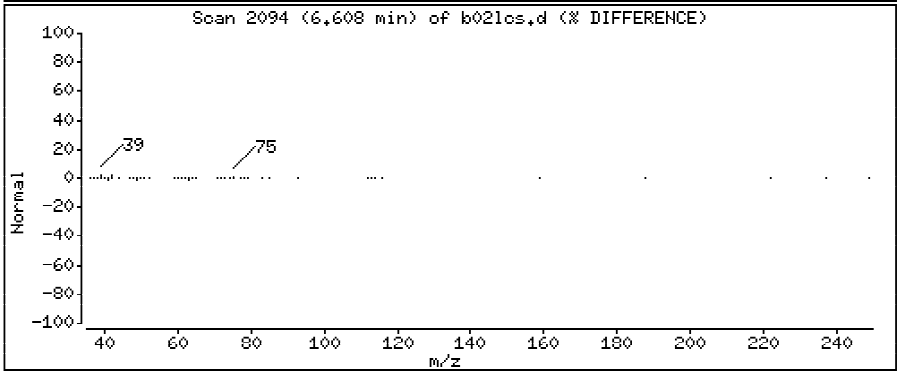












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 63

Date : 06-MAY-2014 12:21

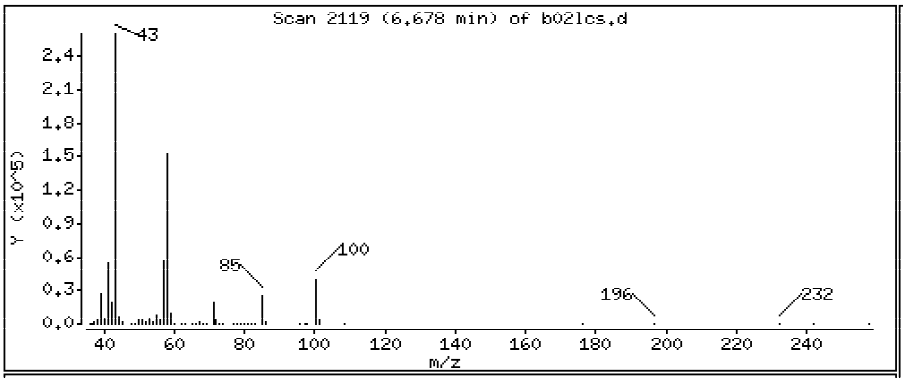
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

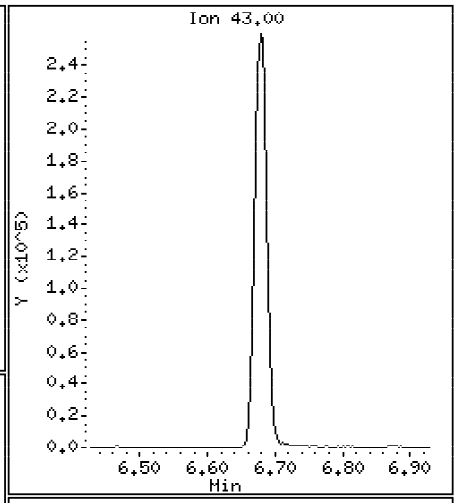
Sample Info: 1088990,65557:5

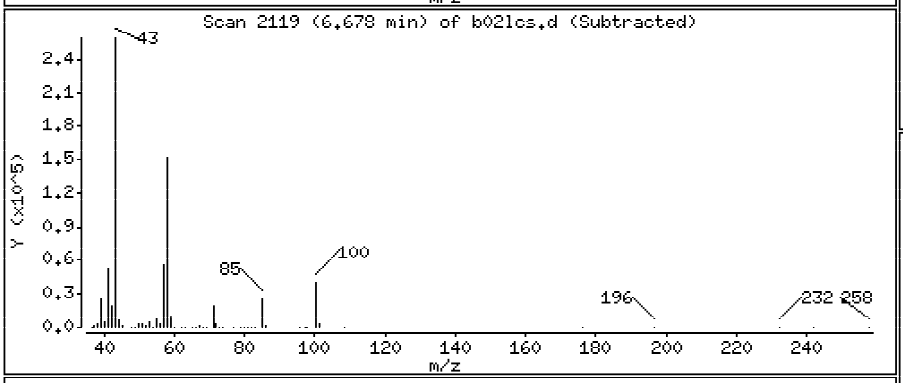
Purge Volume: 5.0 Operator: dae

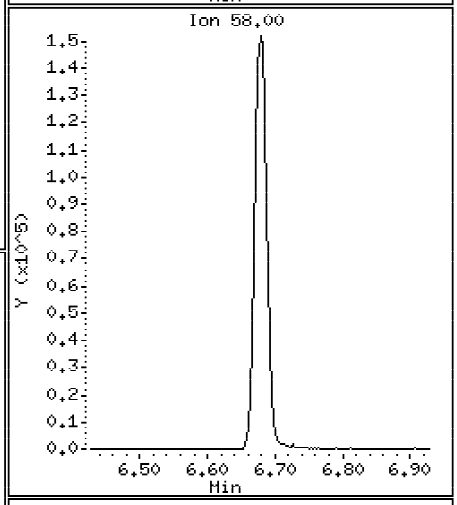
Column phase: DB-624 Column diameter: 0.18

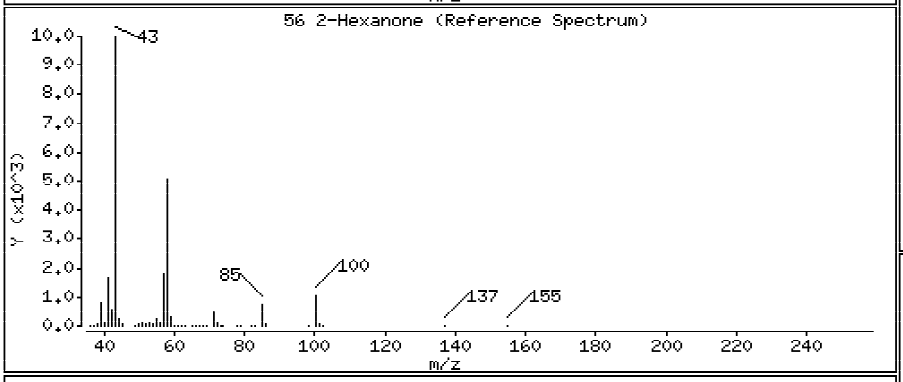
56 2-Hexanone Concentration: 242 ppb

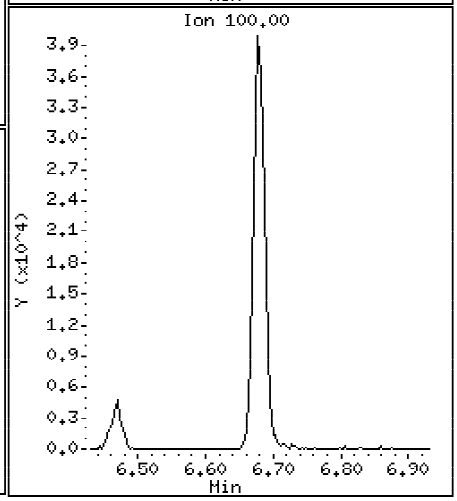


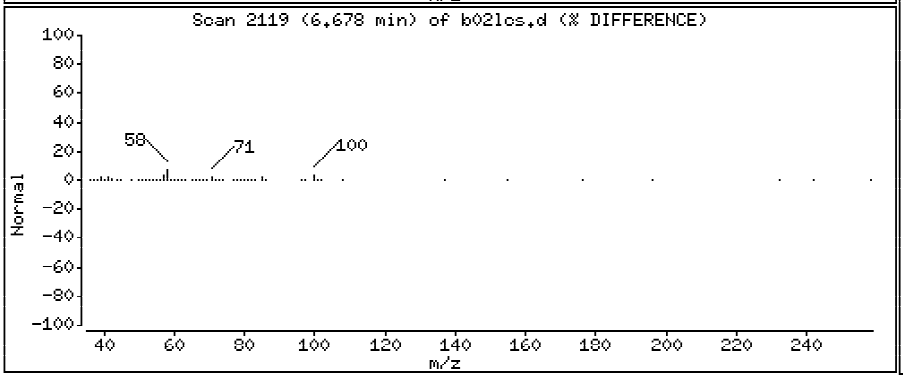












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 64

Date : 06-MAY-2014 12:21

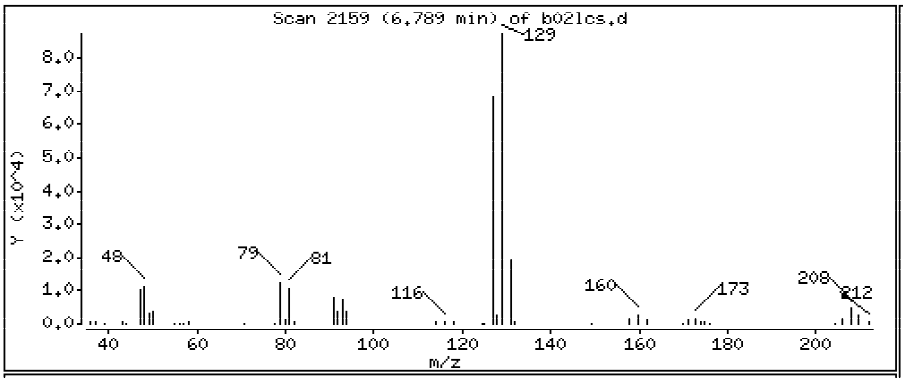
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

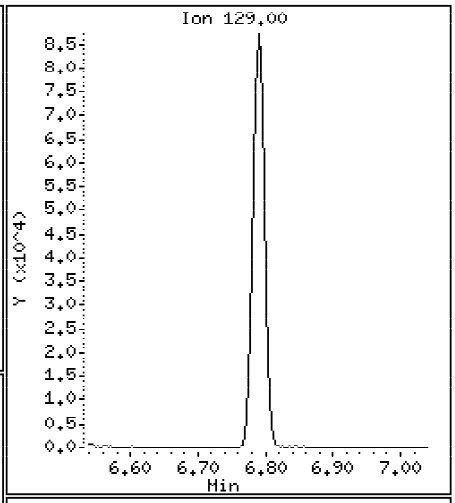
Sample Info: 1088990,65557:5

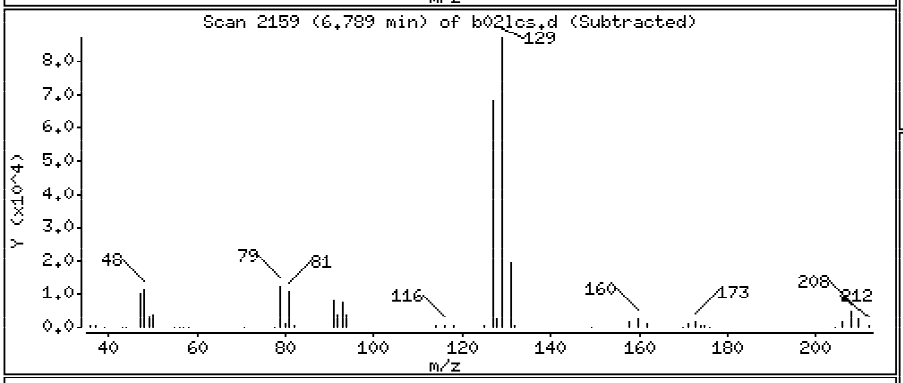
Purge Volume: 5.0 Operator: dae

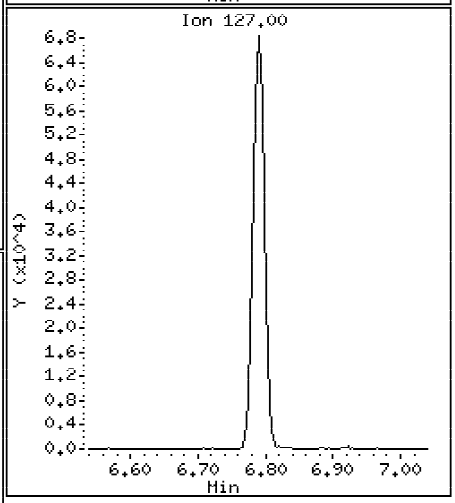
Column phase: DB-624 Column diameter: 0.18

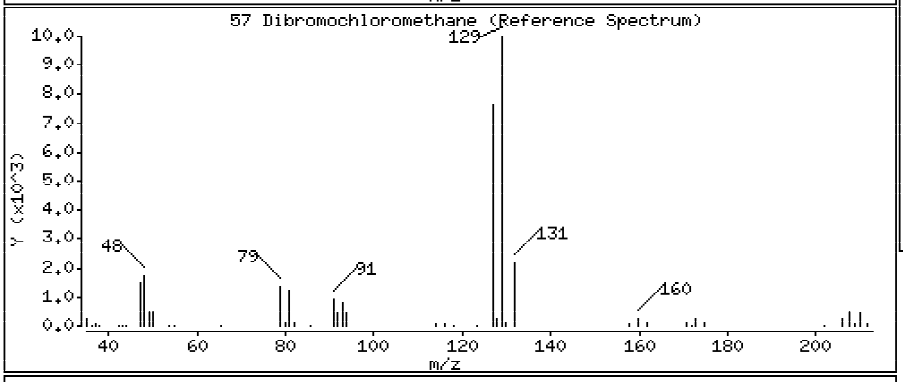
57 Dibromochloromethane Concentration: 45.6 ppb

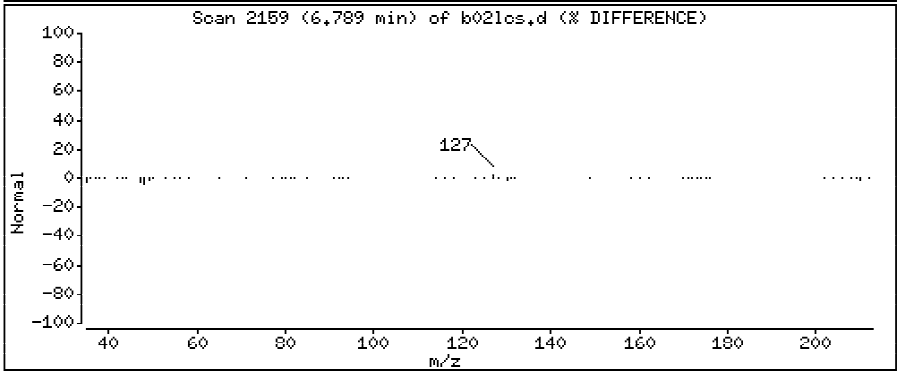












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 65

Date : 06-MAY-2014 12:21

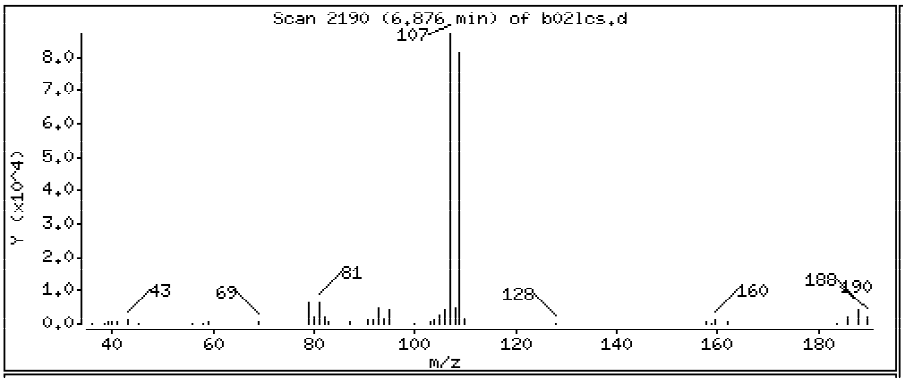
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

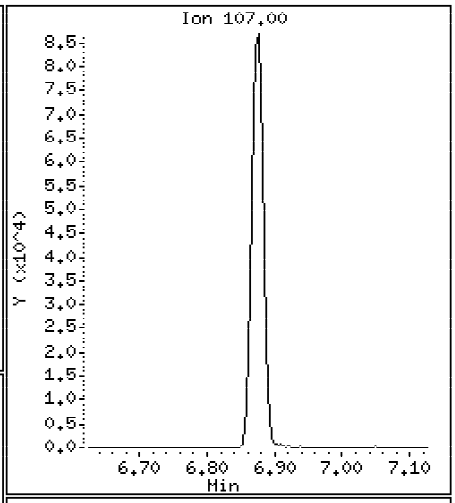
Sample Info: 1088990,65557:5

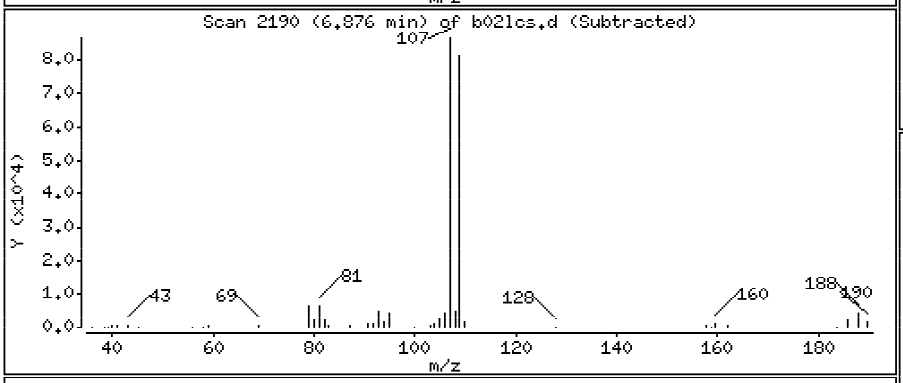
Purge Volume: 5.0 Operator: dae

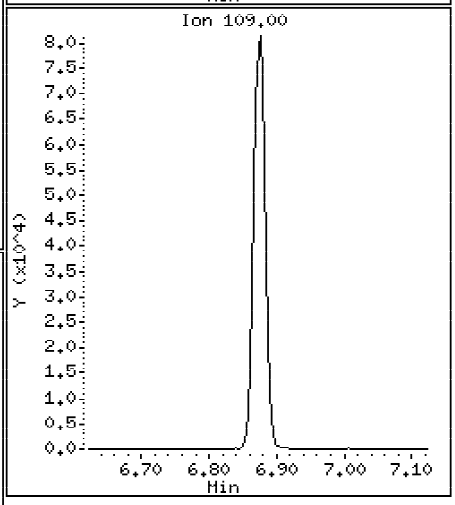
Column phase: DB-624 Column diameter: 0.18

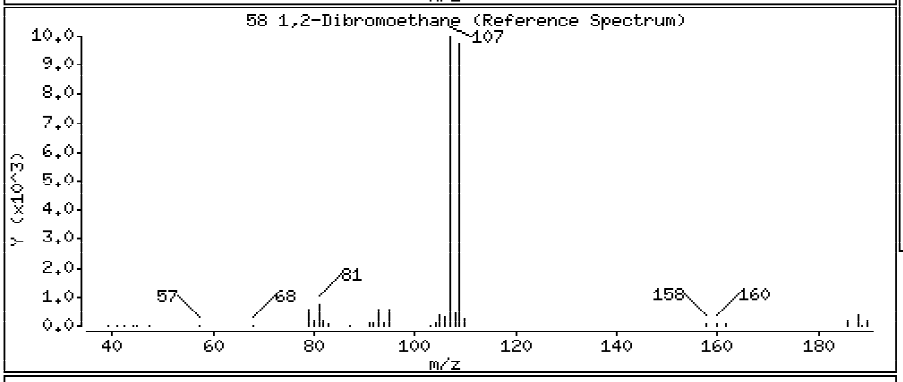
58 1,2-Dibromoethane Concentration: 51.3 ppb

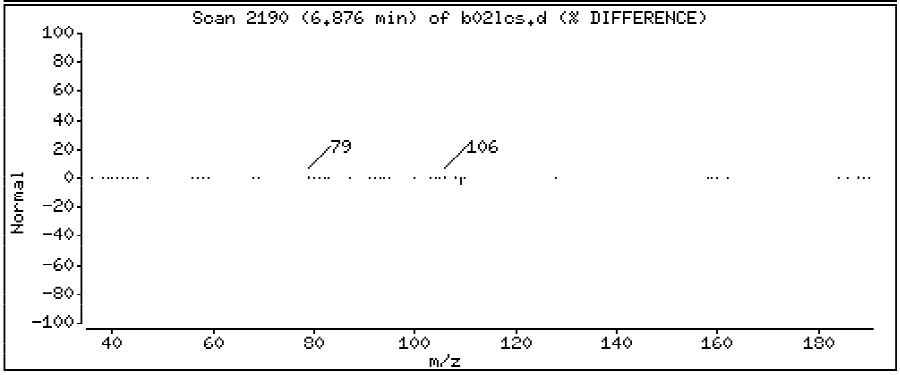












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 66

Date : 06-MAY-2014 12:21

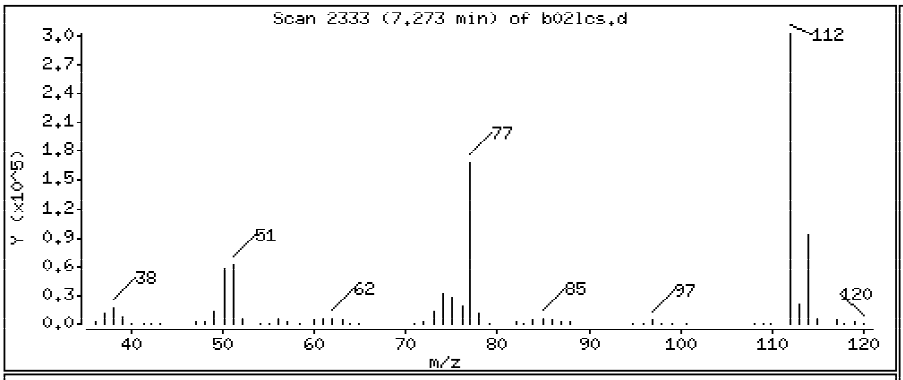
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

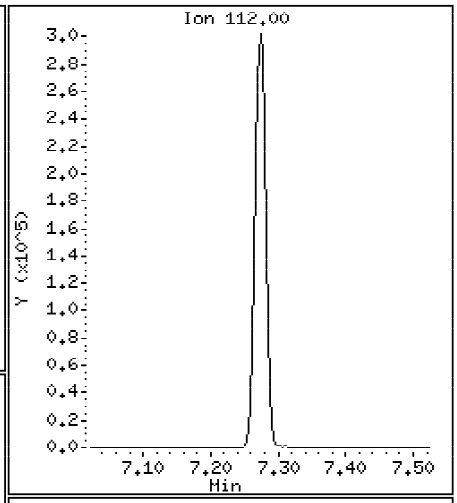
Sample Info: 1088990,65557:5

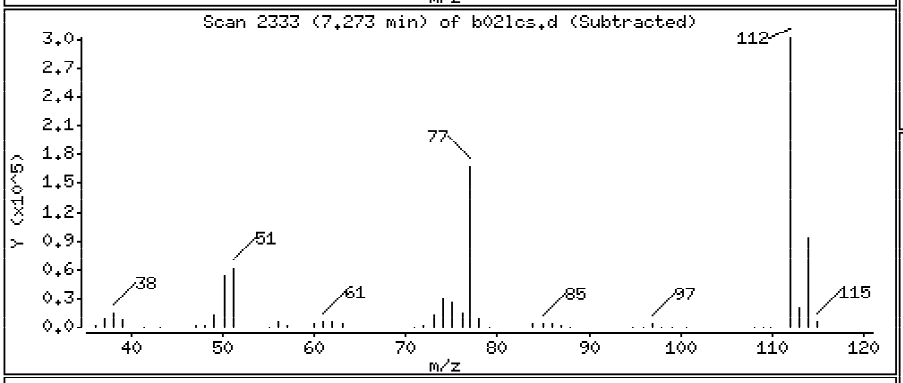
Purge Volume: 5.0 Operator: dae

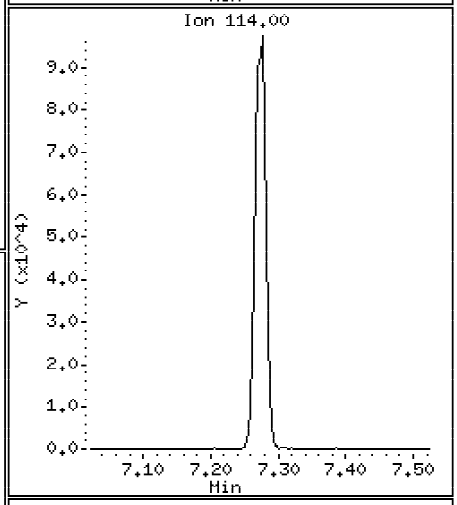
Column phase: DB-624 Column diameter: 0.18

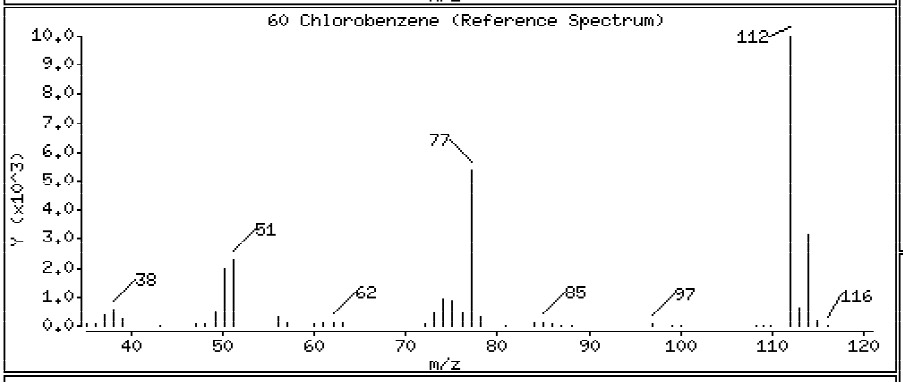
60 Chlorobenzene Concentration: 49.6 ppb

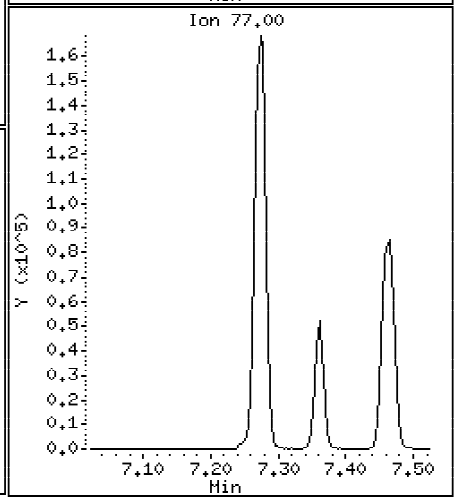


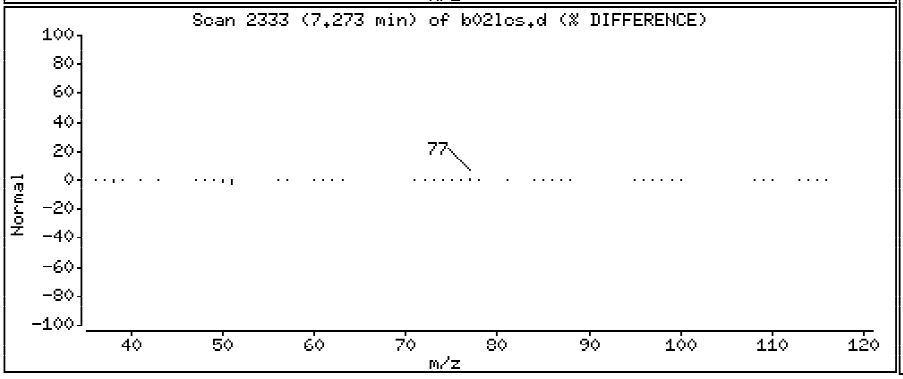












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 67

Date : 06-MAY-2014 12:21

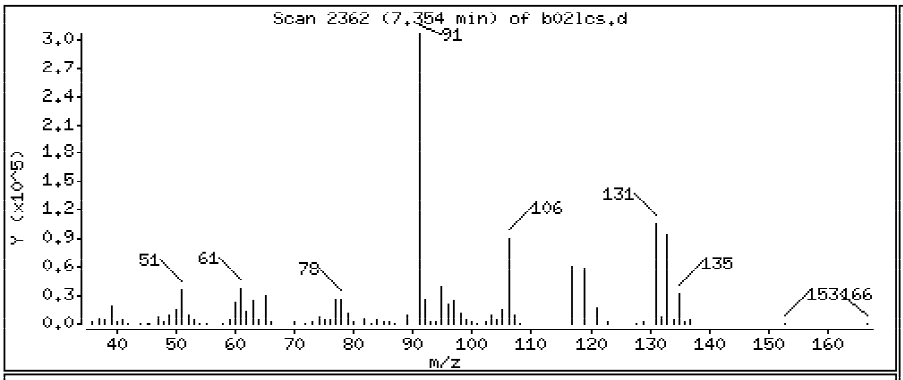
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

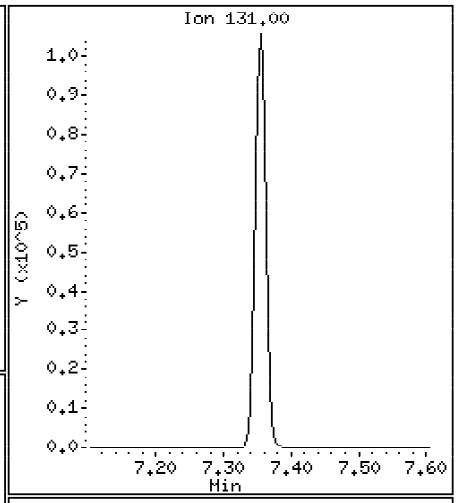
Sample Info: 1088990,65557:5

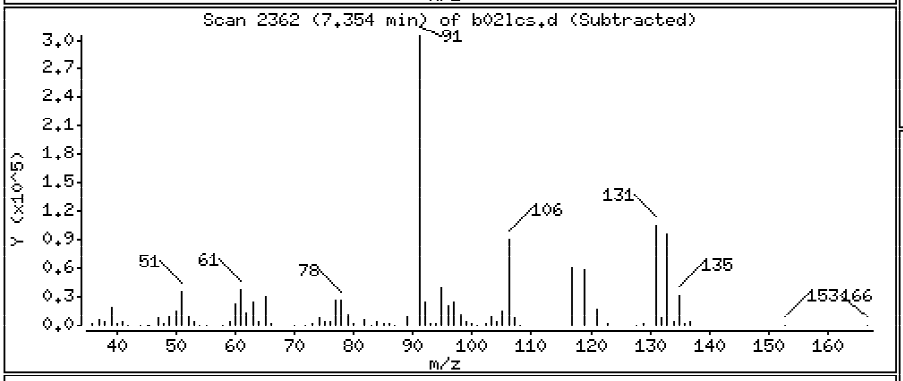
Purge Volume: 5.0 Operator: dae

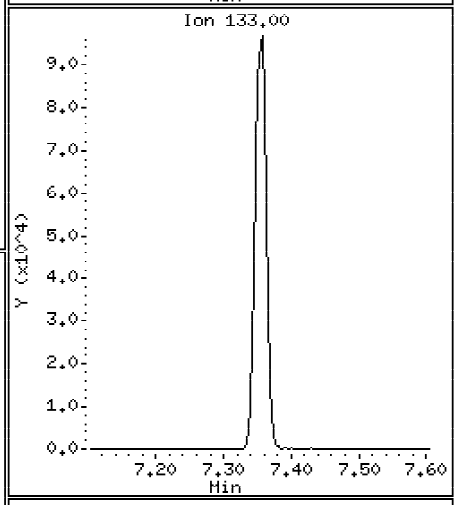
Column phase: DB-624 Column diameter: 0.18

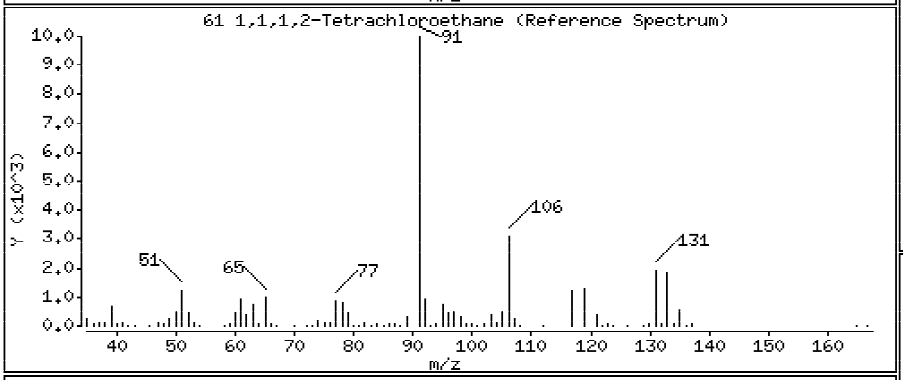
61 1,1,1,2-Tetrachloroethane Concentration: 56.8 ppb

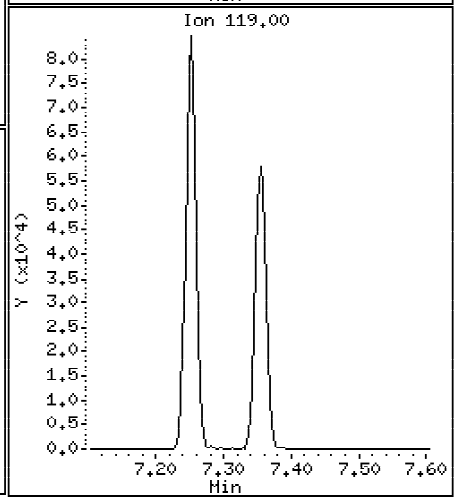


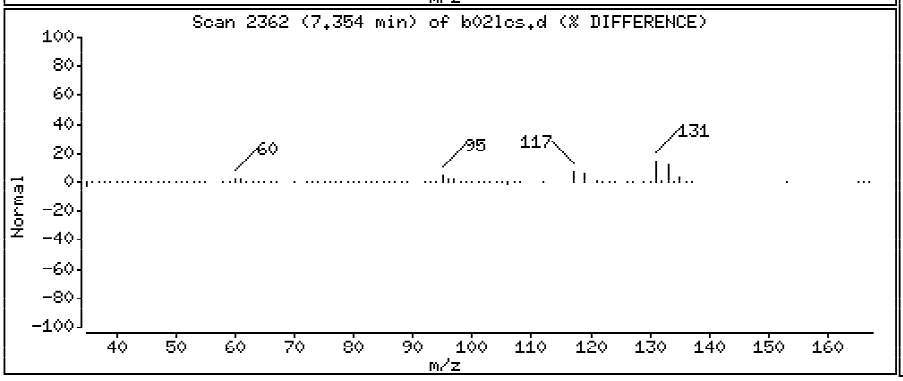












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 68

Date : 06-MAY-2014 12:21

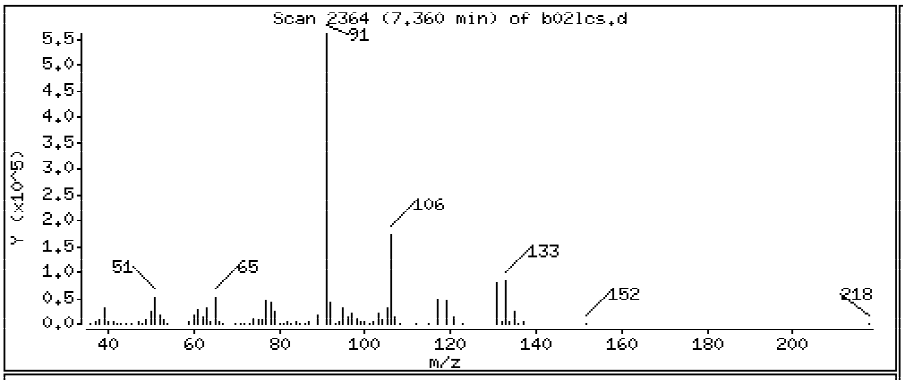
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

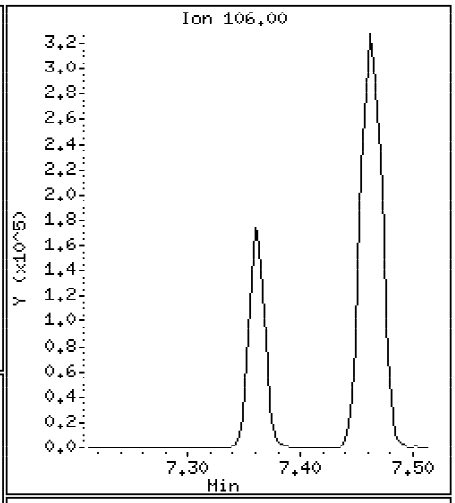
Sample Info: 1088990,65557:5

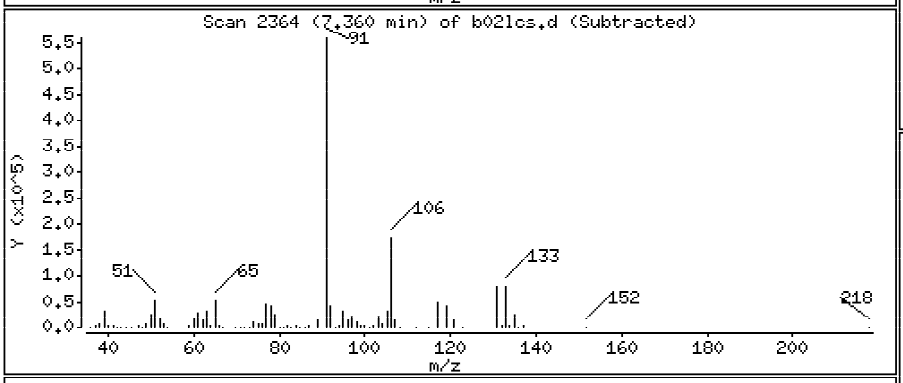
Purge Volume: 5.0 Operator: dae

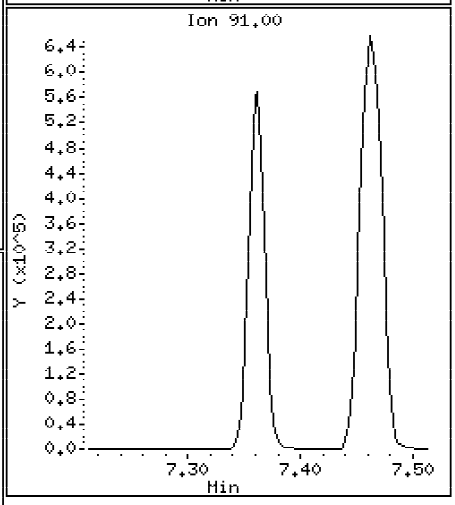
Column phase: DB-624 Column diameter: 0.18

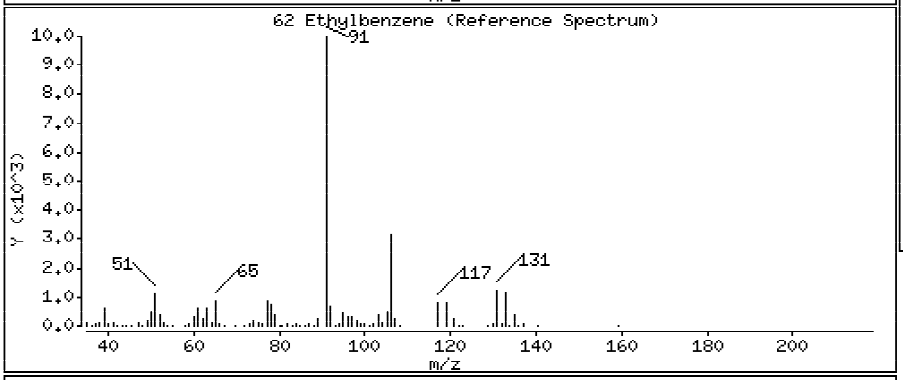
62 Ethylbenzene Concentration: 49.2 ppb

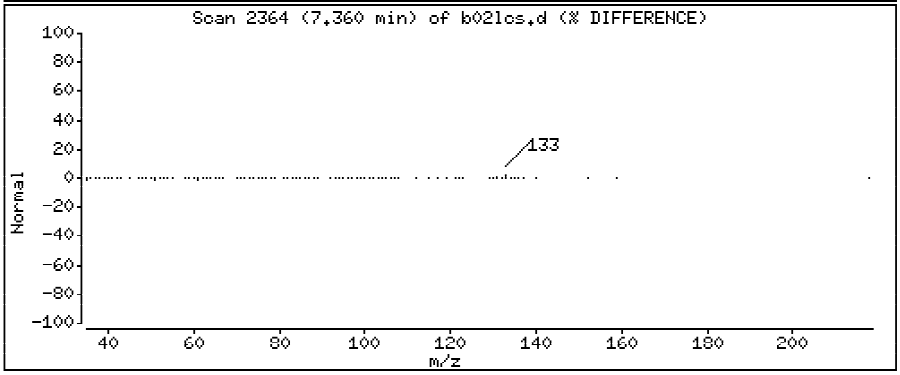












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 69

Date : 06-MAY-2014 12:21

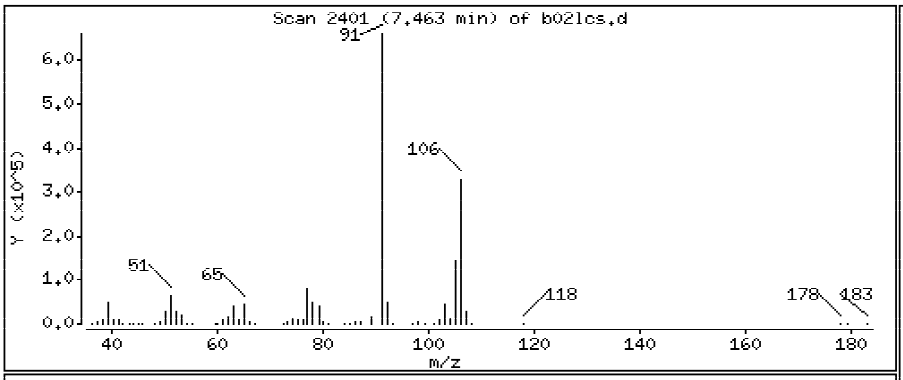
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

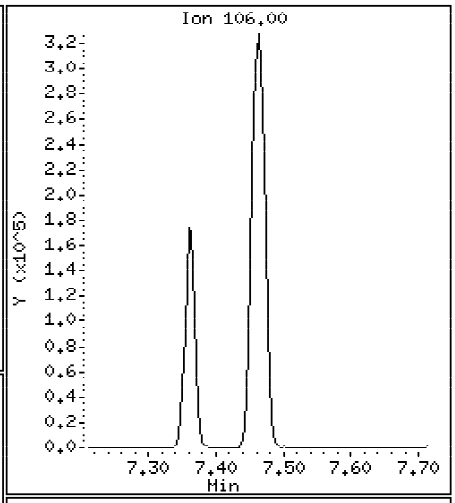
Sample Info: 1088990,65557:5

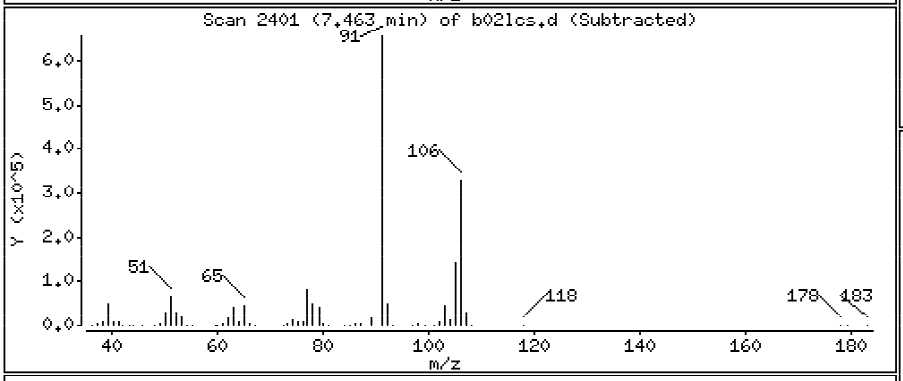
Purge Volume: 5.0 Operator: dae

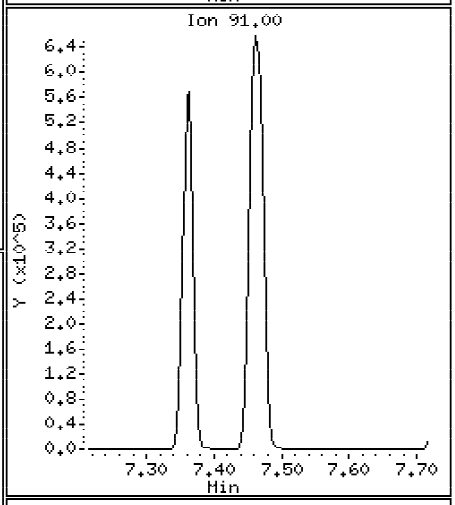
Column phase: DB-624 Column diameter: 0.18

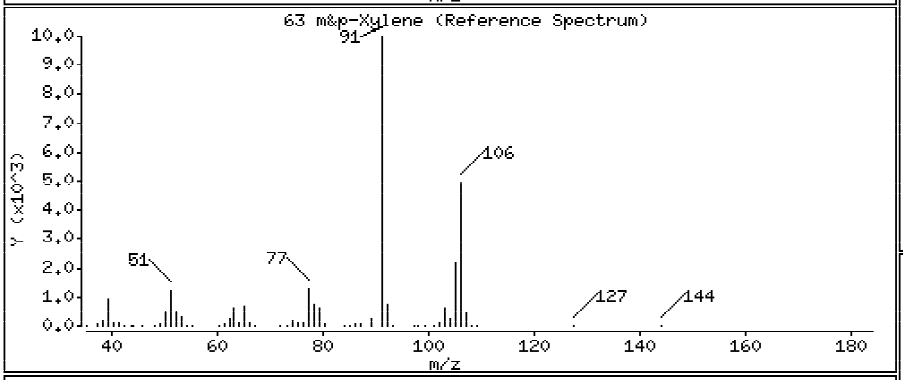
63 m&p-Xylene Concentration: 99.9 ppb

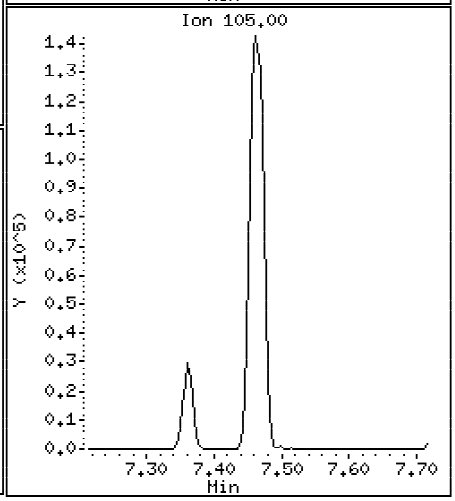


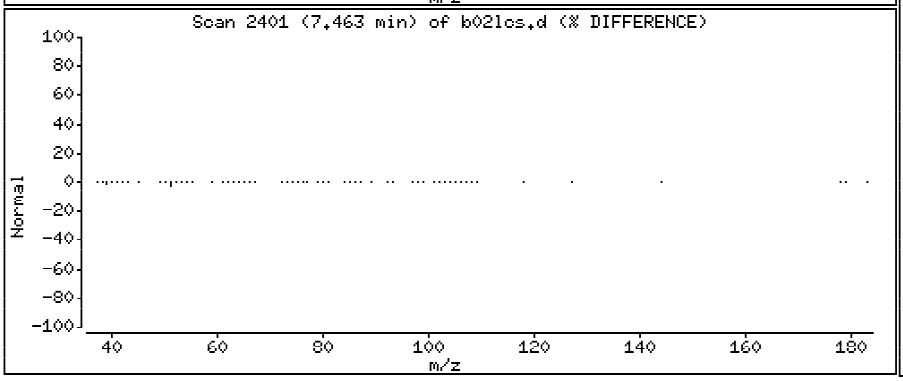












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 70

Date : 06-MAY-2014 12:21

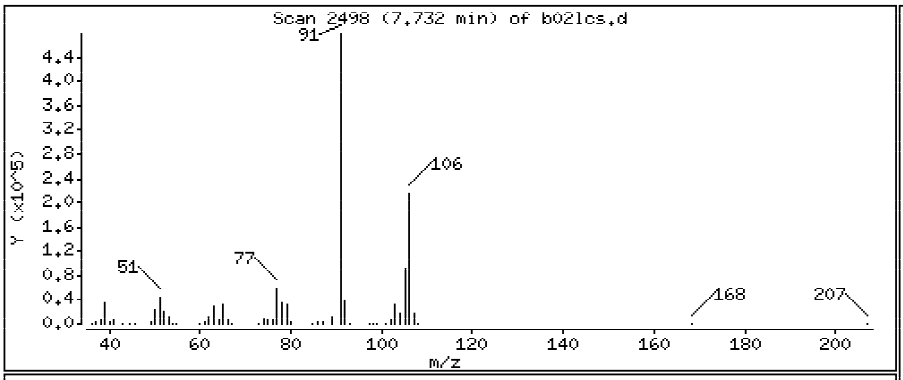
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

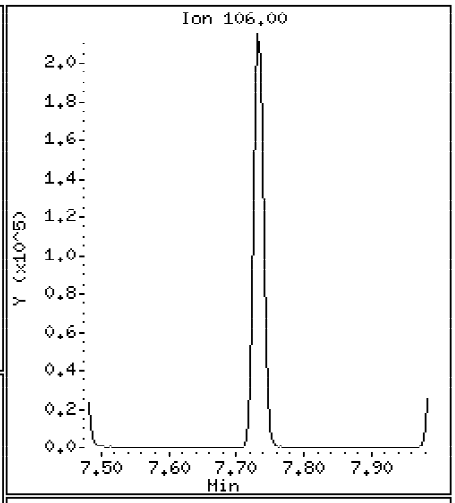
Sample Info: 1088990,65557:5

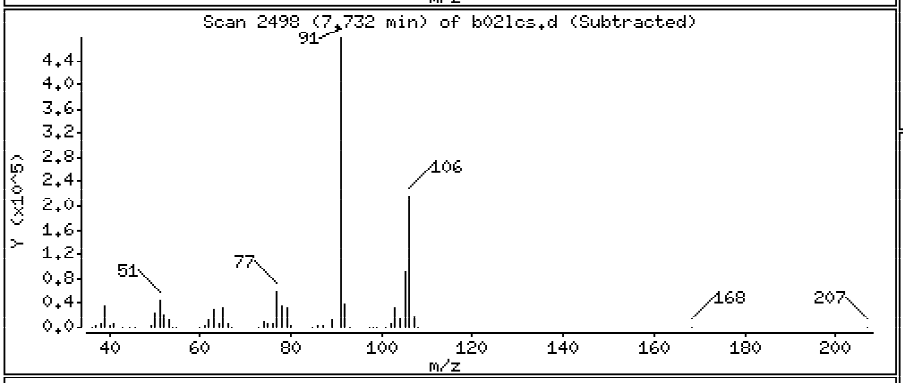
Purge Volume: 5.0 Operator: dae

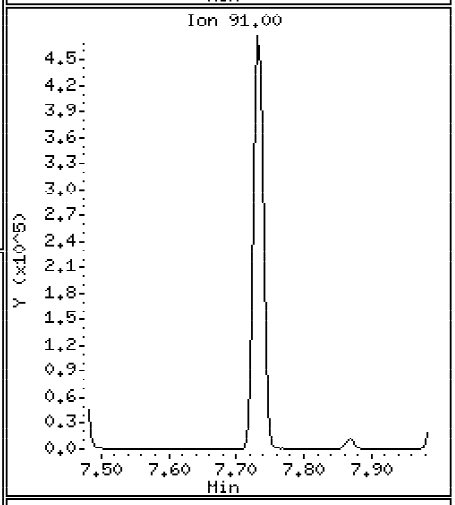
Column phase: DB-624 Column diameter: 0.18

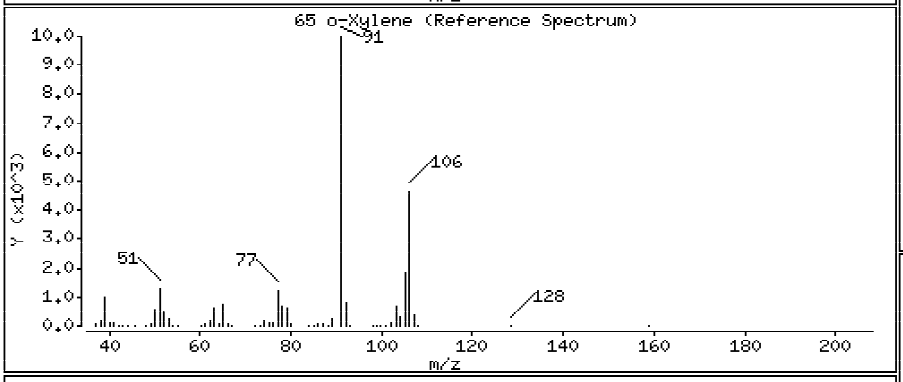
65 o-Xylene Concentration: 51.0 ppb

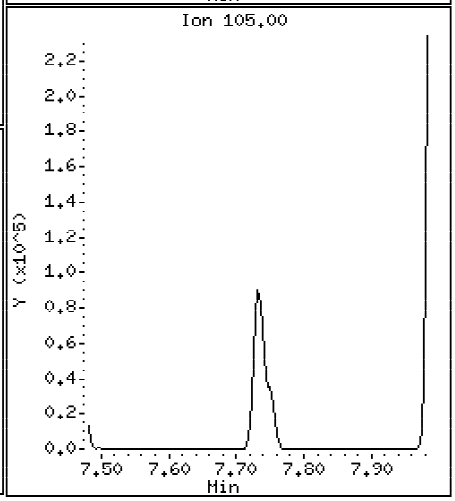


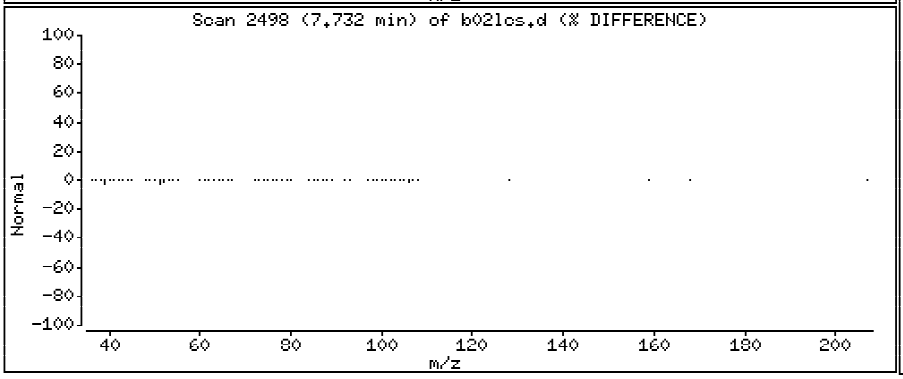












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 71

Date : 06-MAY-2014 12:21

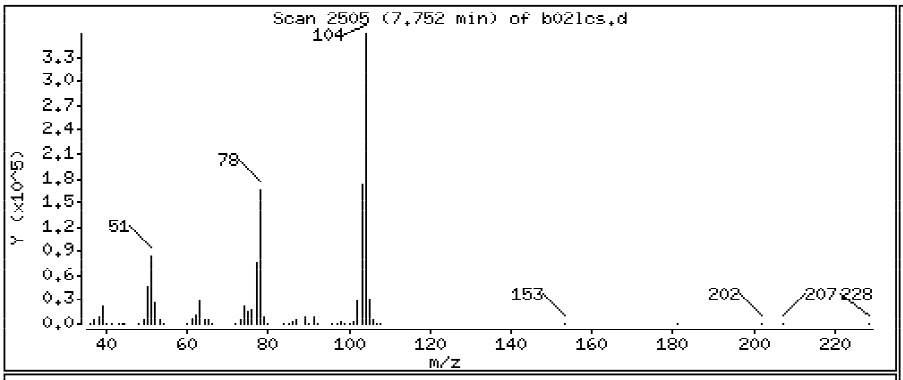
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

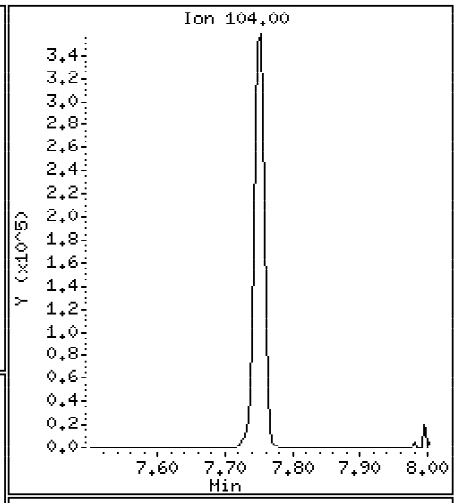
Sample Info: 1088990,65557:5

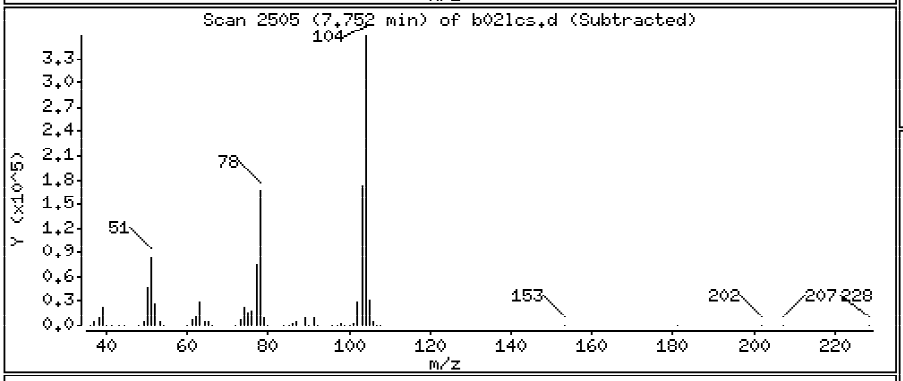
Purge Volume: 5.0 Operator: dae

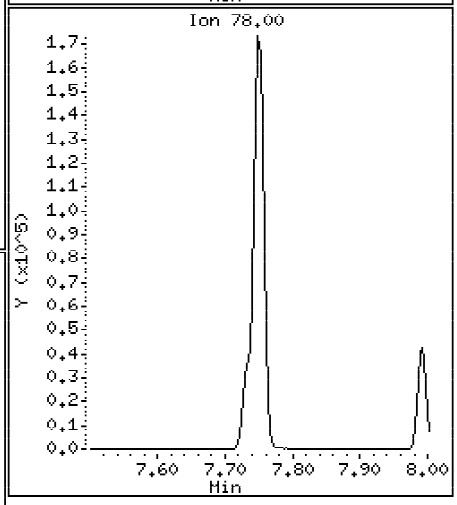
Column phase: DB-624 Column diameter: 0.18

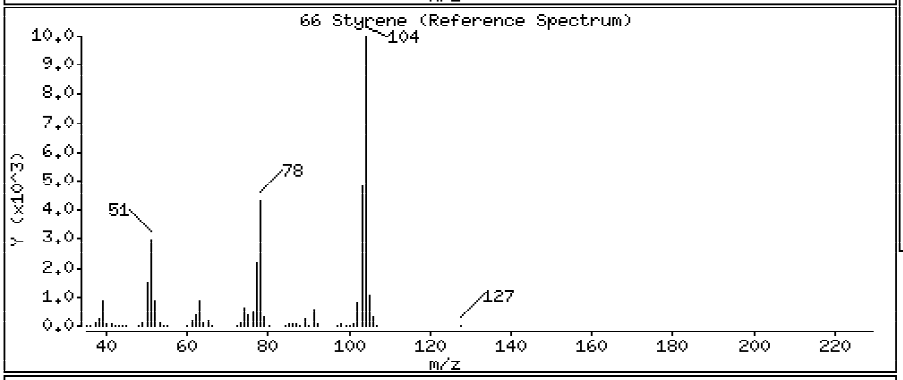
66 Styrene Concentration: 52.8 ppb

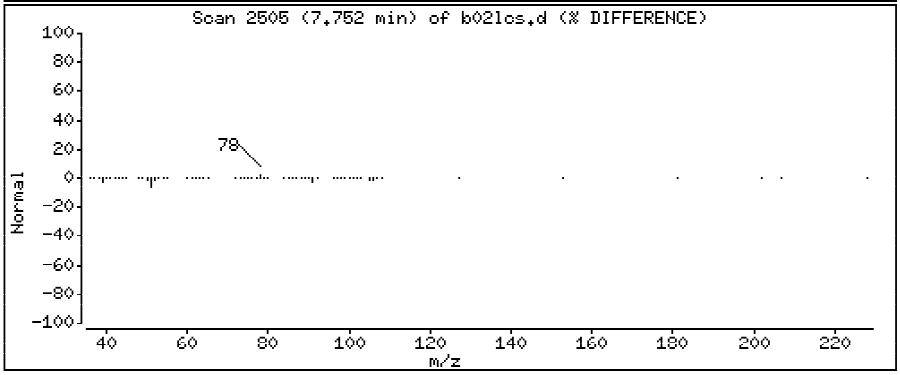












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 72

Date : 06-MAY-2014 12:21

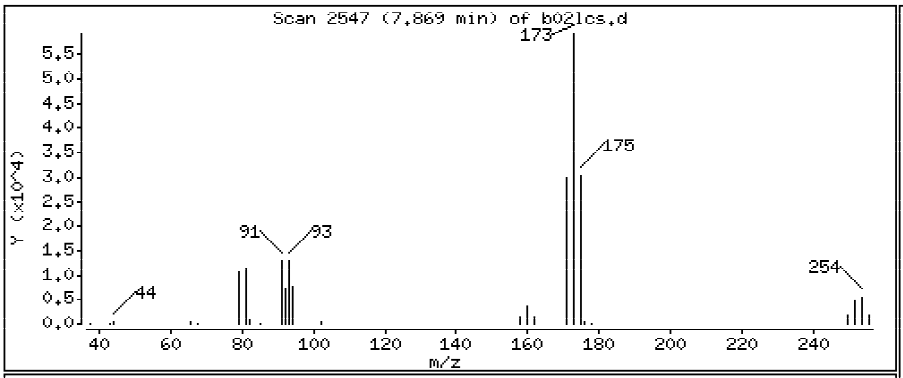
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

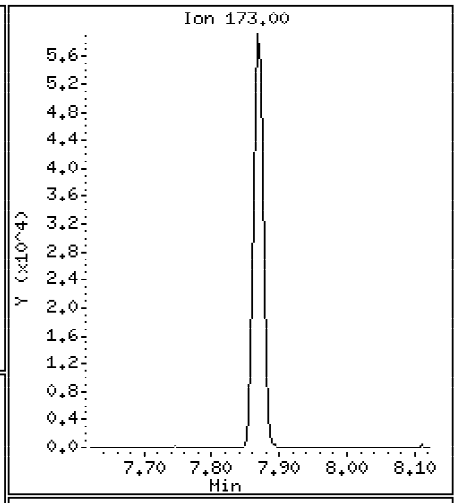
Sample Info: 1088990,65557:5

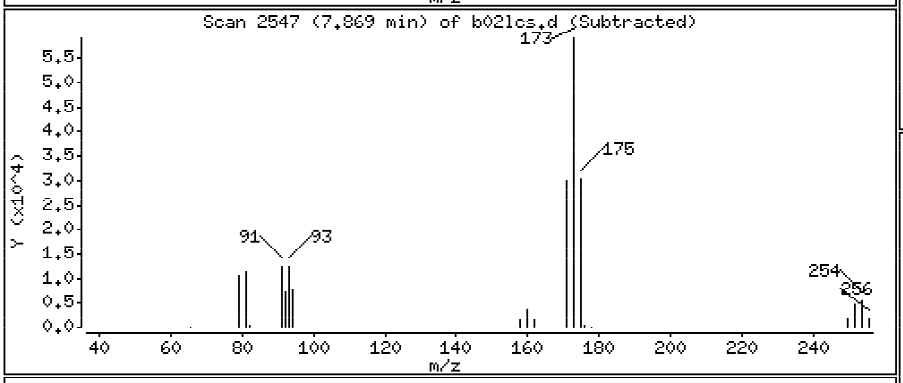
Purge Volume: 5.0 Operator: dae

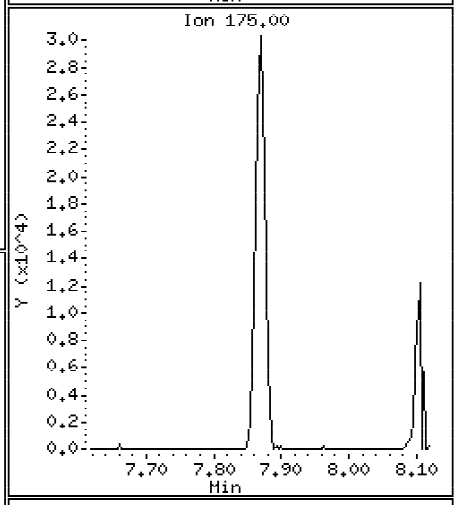
Column phase: DB-624 Column diameter: 0.18

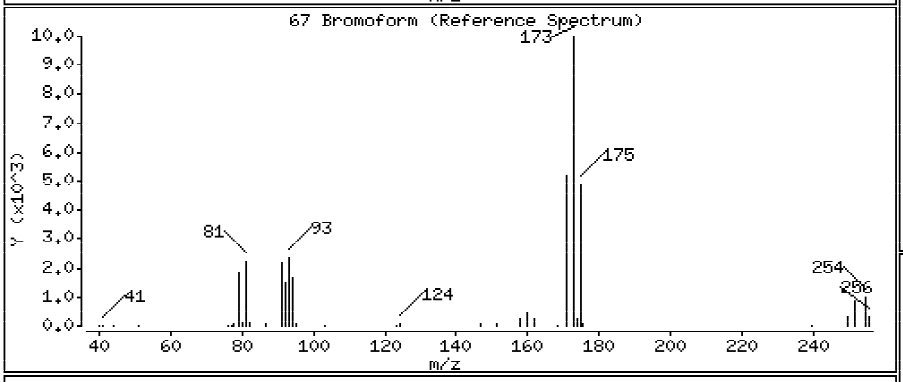
67 Bromoform Concentration: 40.8 ppb

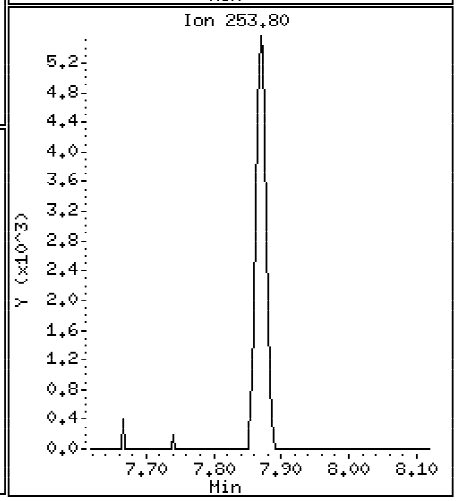


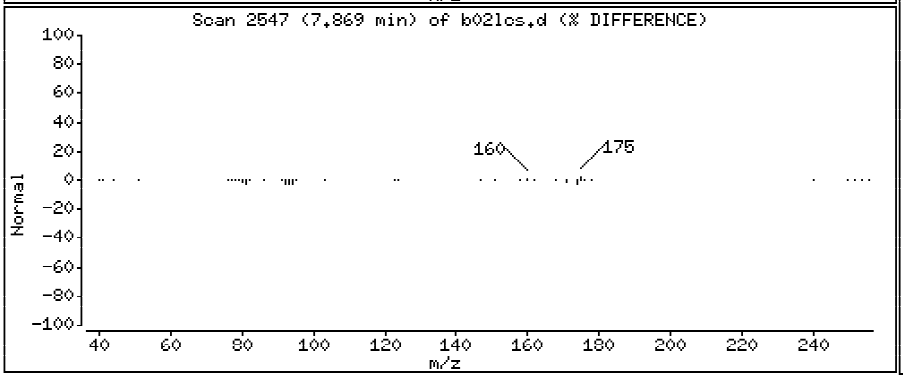












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 73

Date : 06-MAY-2014 12:21

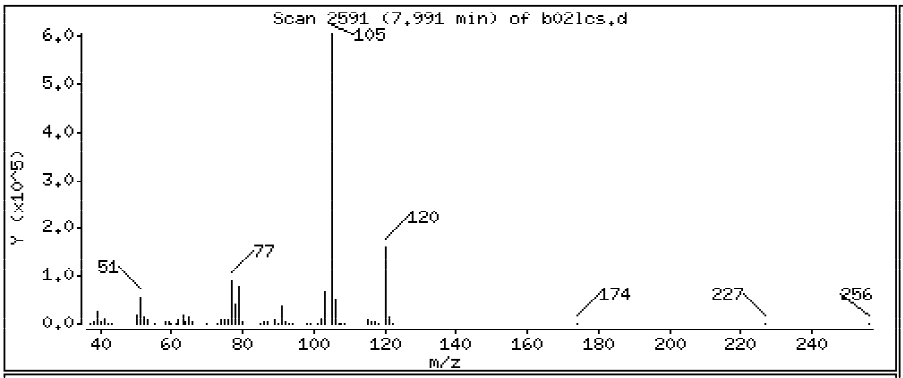
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

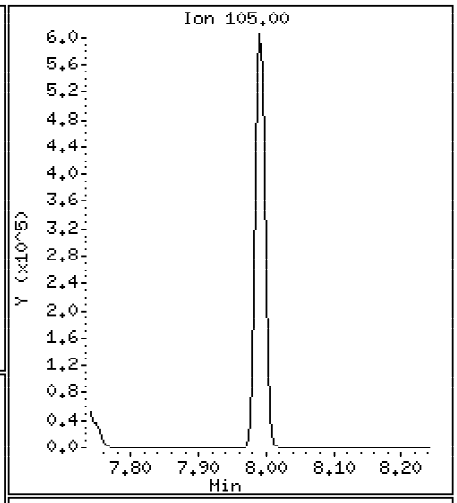
Sample Info: 1088990,65557:5

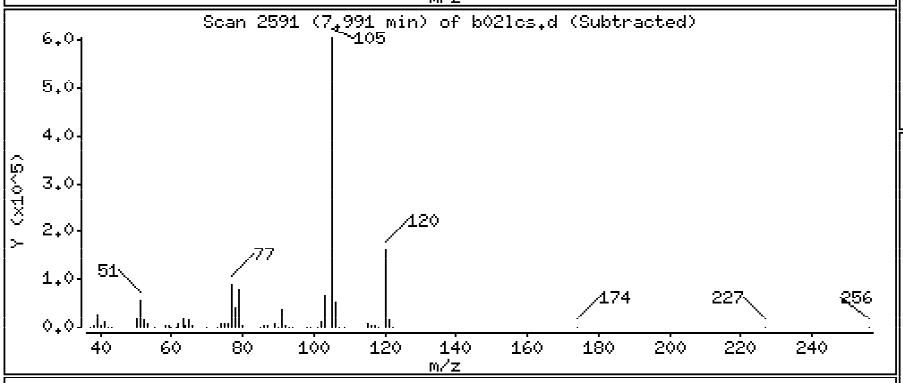
Purge Volume: 5.0 Operator: dae

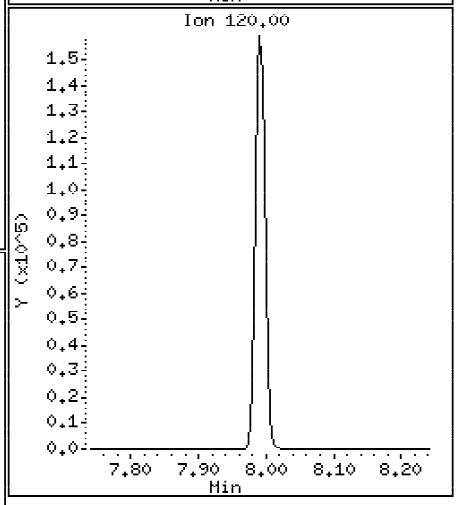
Column phase: DB-624 Column diameter: 0.18

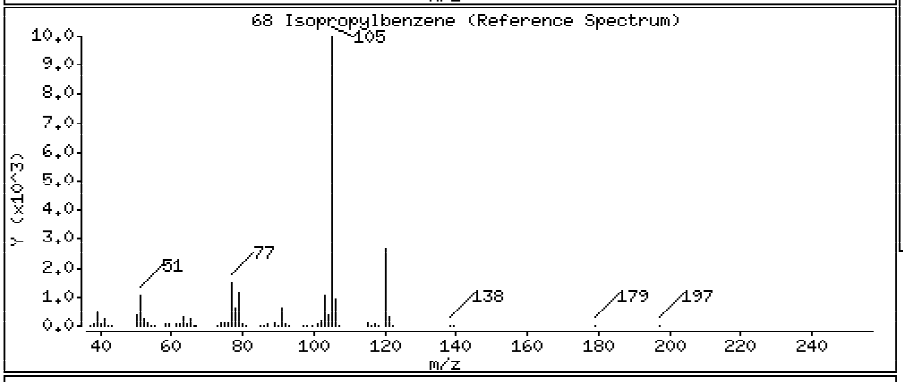
68 Isopropylbenzene Concentration: 54.5 ppb

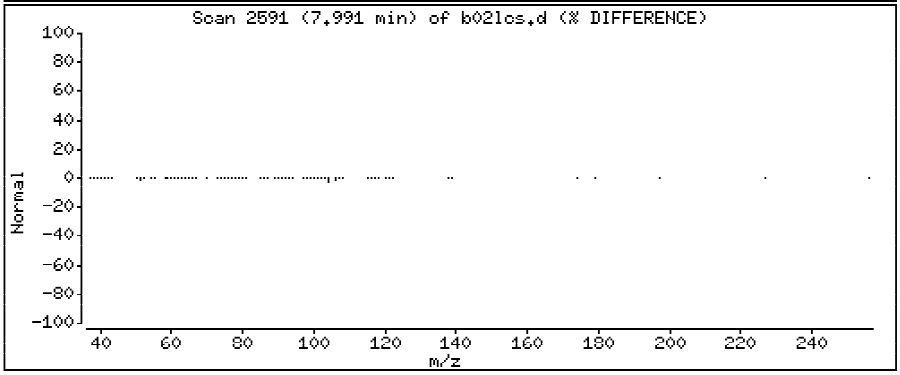












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 74

Date : 06-MAY-2014 12:21

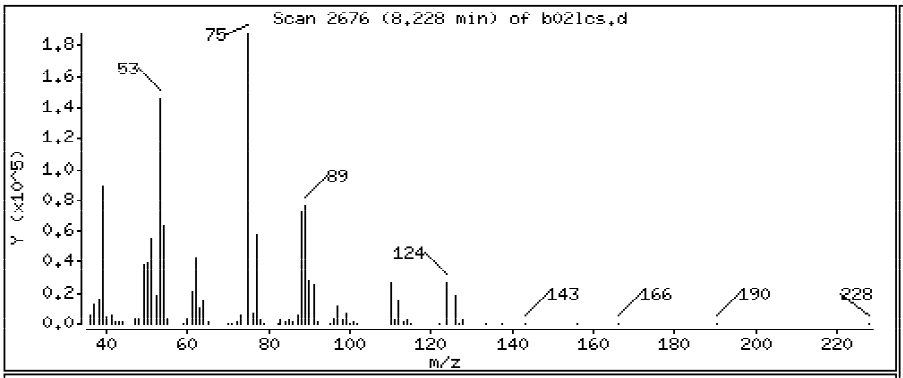
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

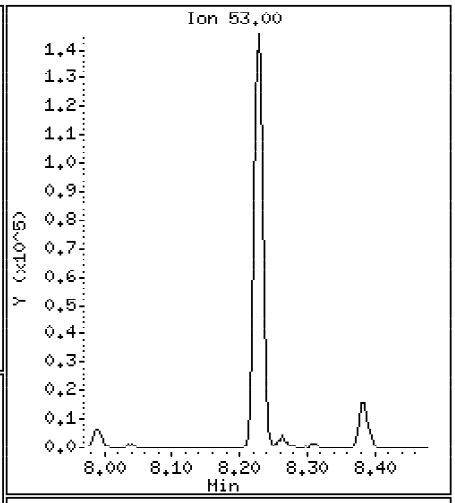
Sample Info: 1088990,65557:5

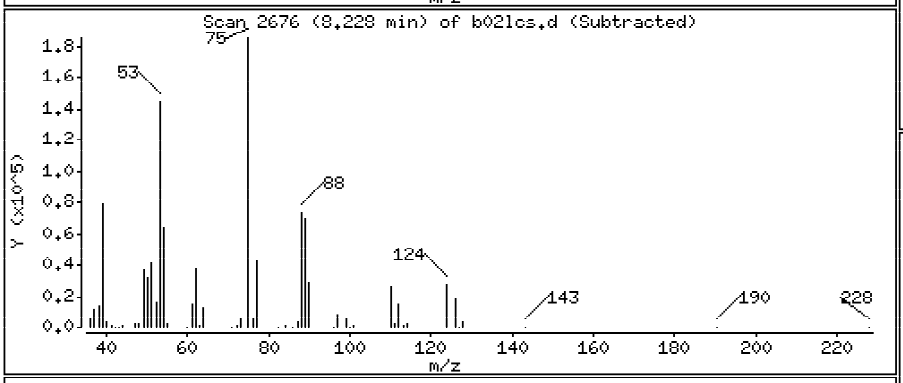
Purge Volume: 5.0 Operator: dae

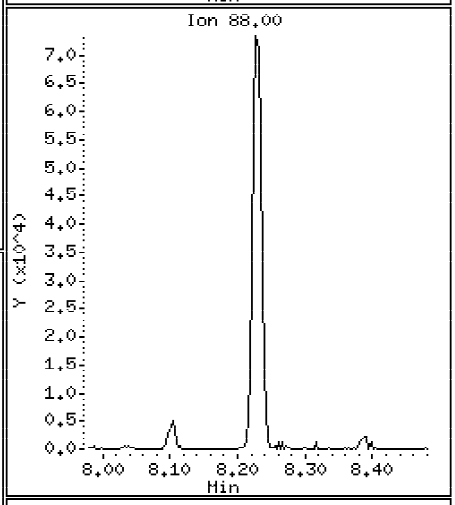
Column phase: DB-624 Column diameter: 0.18

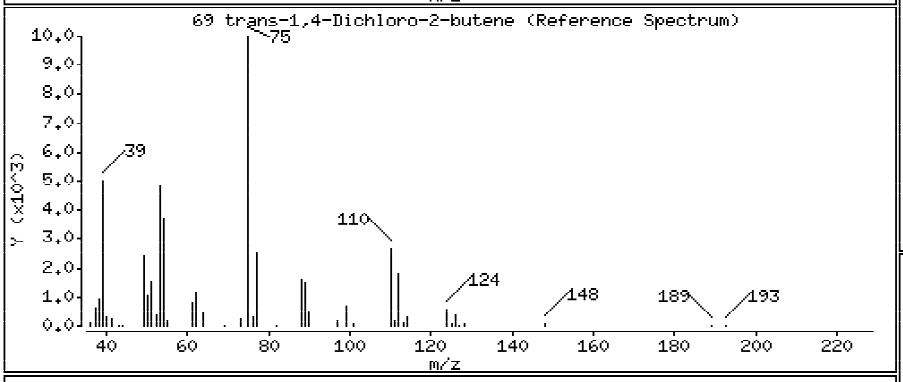
69 trans-1,4-Dichloro-2-butene Concentration: 157 ppb

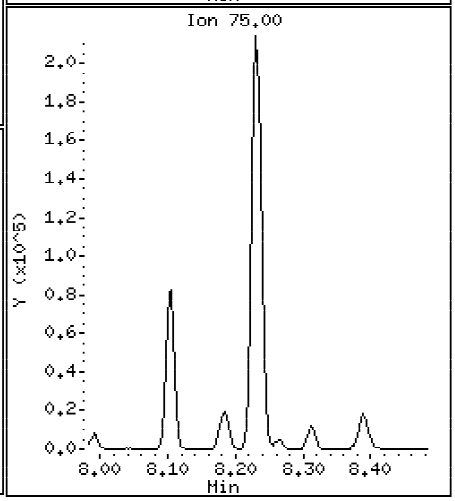


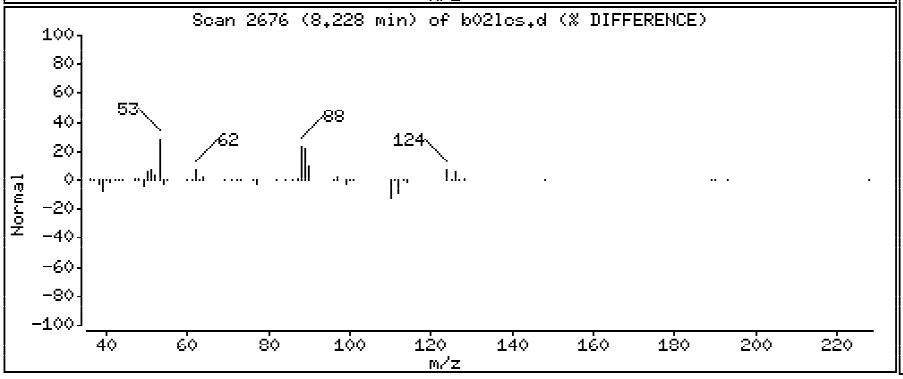












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 75

Date : 06-MAY-2014 12:21

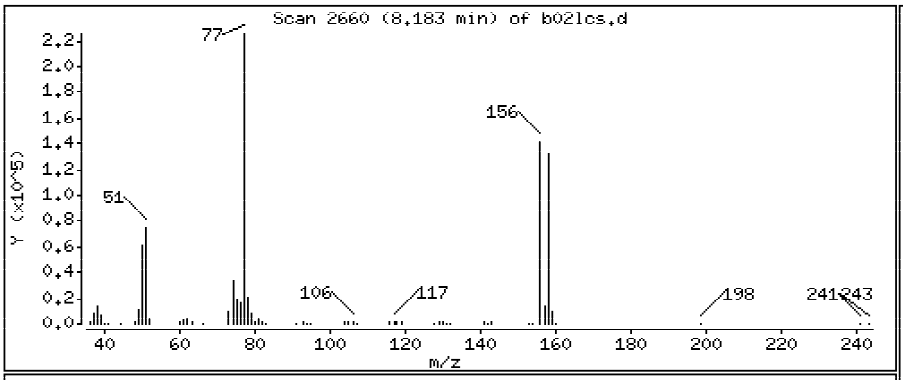
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

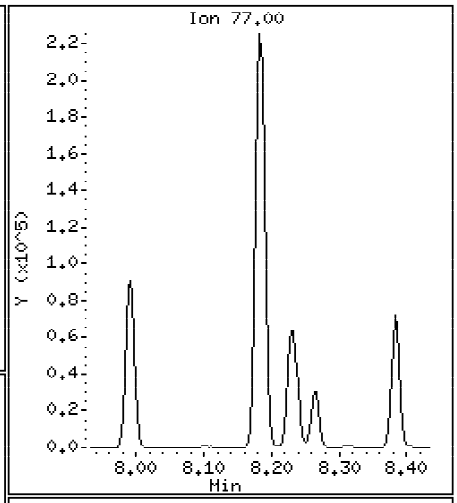
Sample Info: 1088990,65557:5

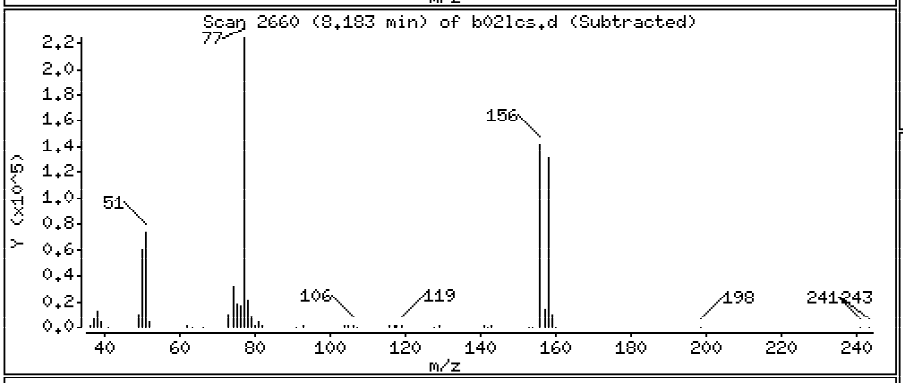
Purge Volume: 5.0 Operator: dae

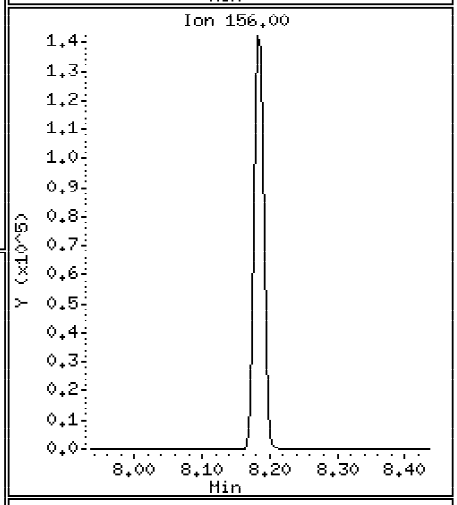
Column phase: DB-624 Column diameter: 0.18

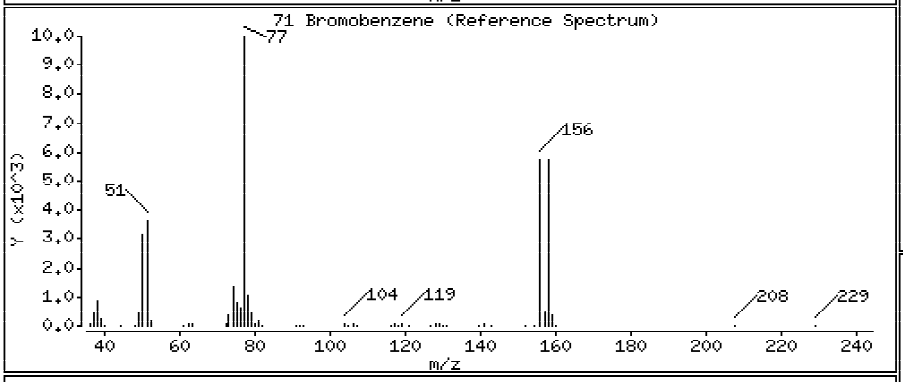
71 Bromobenzene Concentration: 49.4 ppb

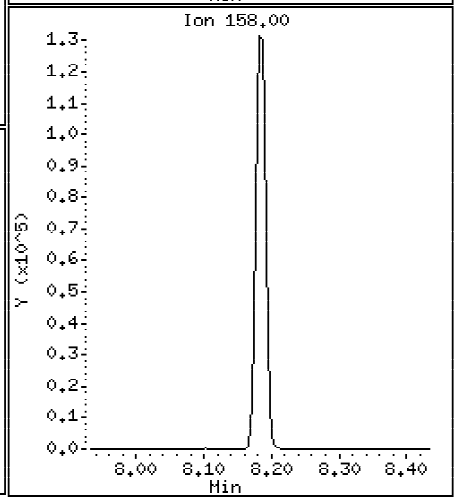


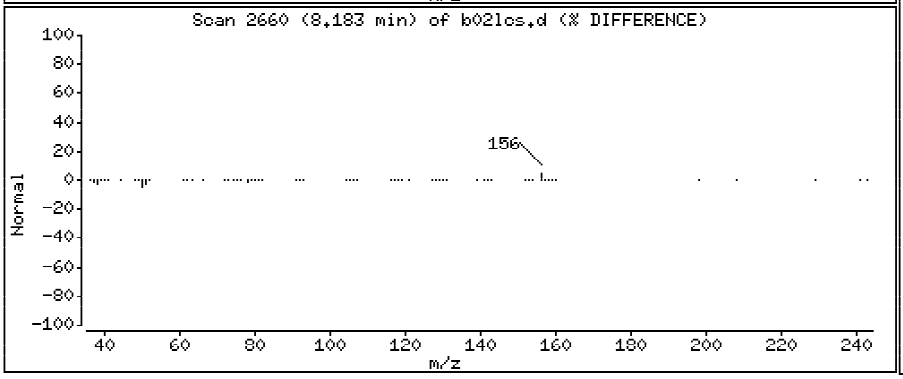












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 76

Date : 06-MAY-2014 12:21

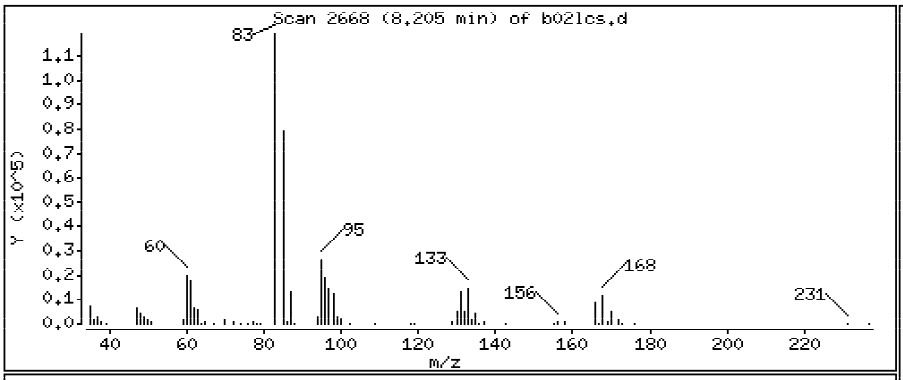
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

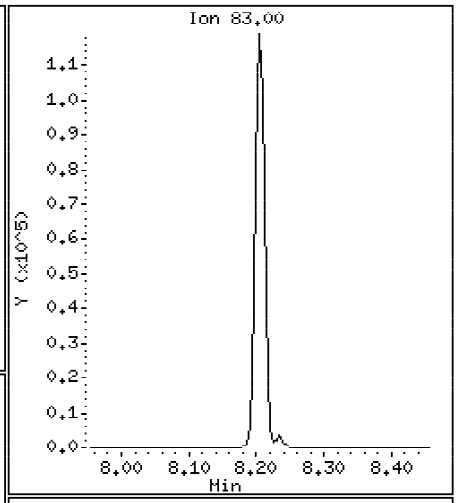
Sample Info: 1088990,65557:5

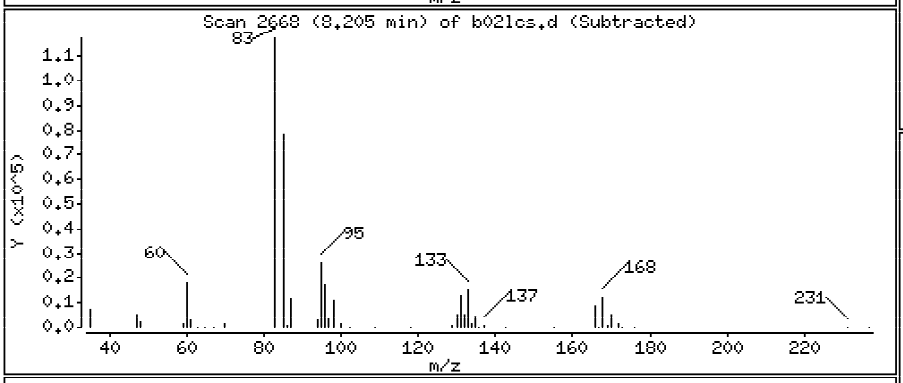
Purge Volume: 5.0 Operator: dae

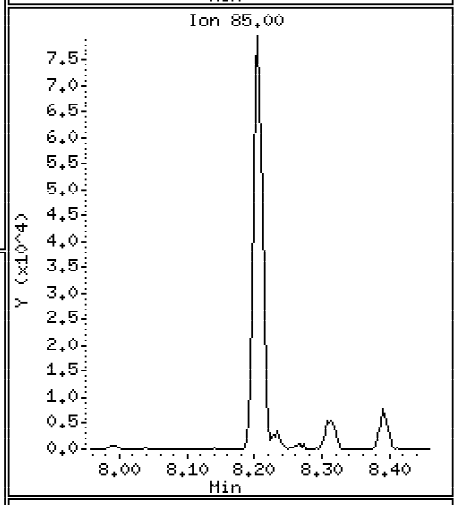
Column phase: DB-624 Column diameter: 0.18

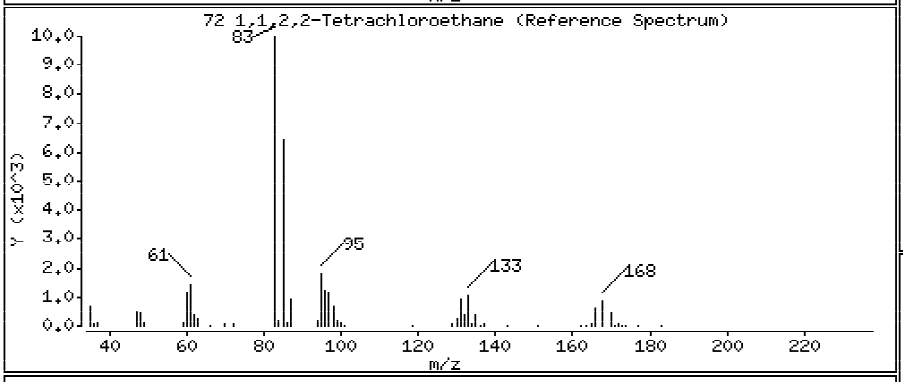
72 1,1,2,2-Tetrachloroethane Concentration: 45.8 ppb

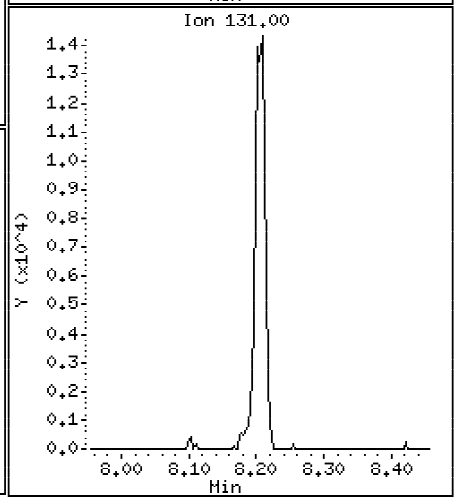


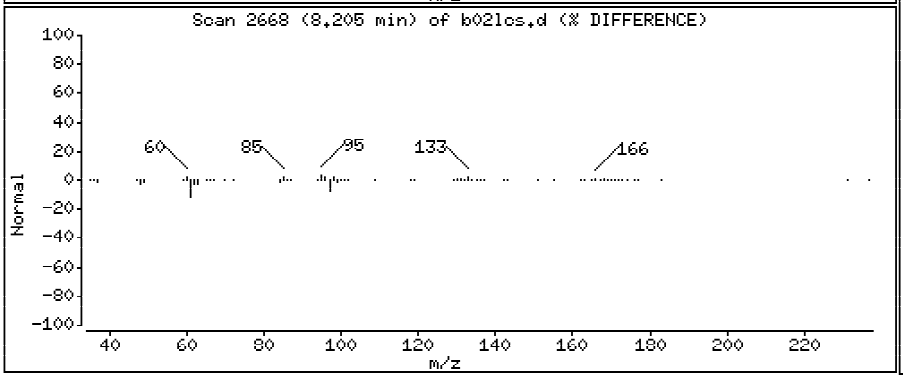












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 77

Date : 06-MAY-2014 12:21

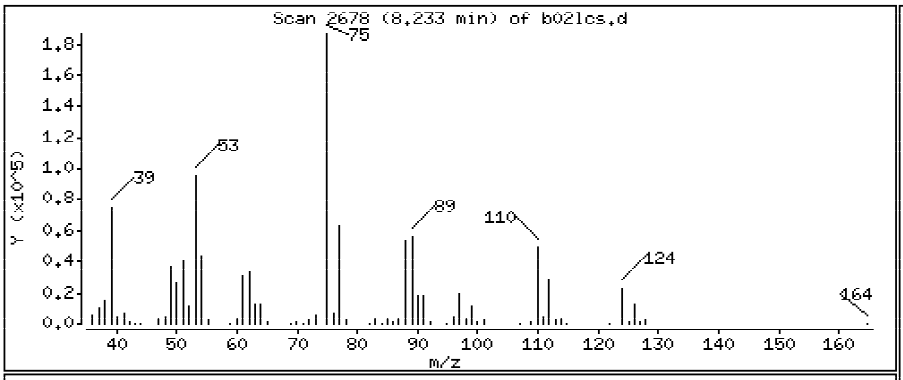
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

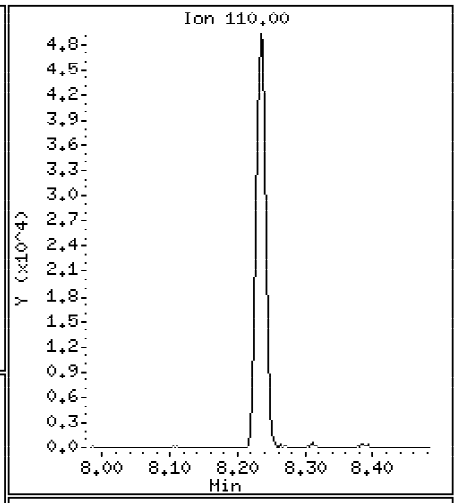
Sample Info: 1088990,65557:5

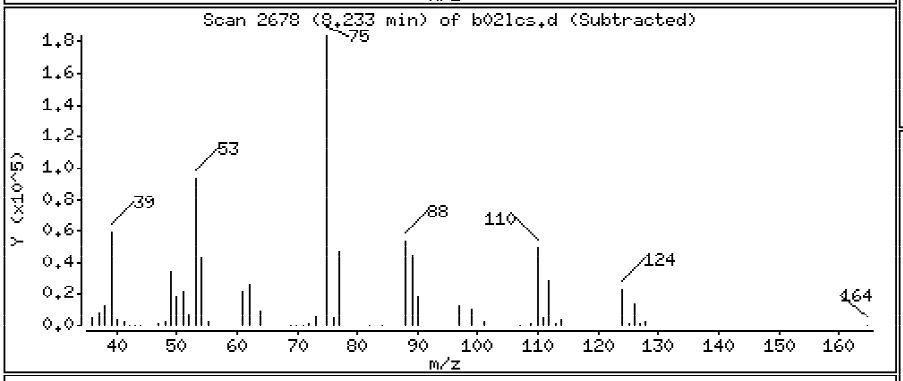
Purge Volume: 5.0 Operator: dae

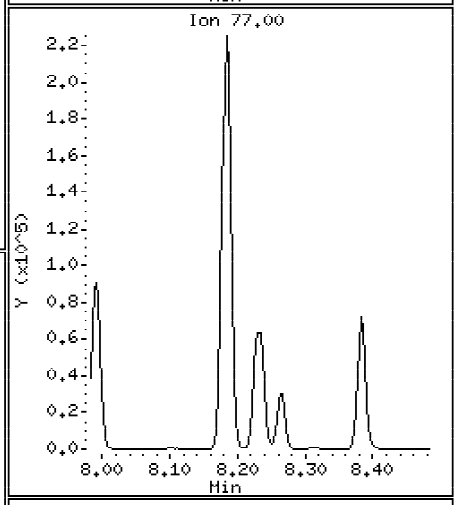
Column phase: DB-624 Column diameter: 0.18

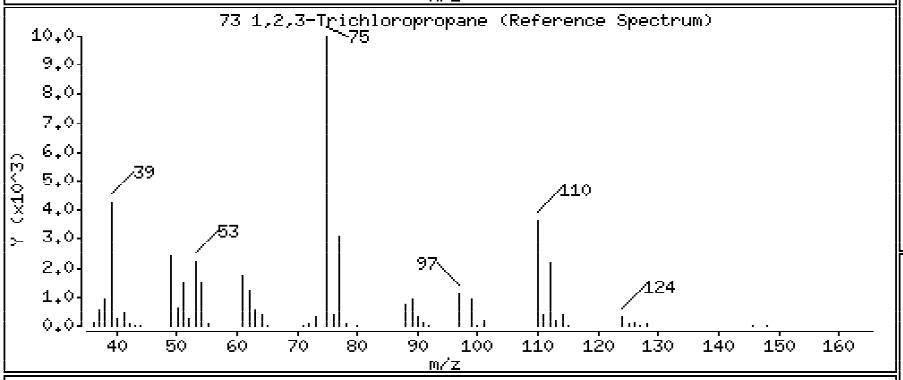
73 1,2,3-Trichloropropane Concentration: 46.8 ppb

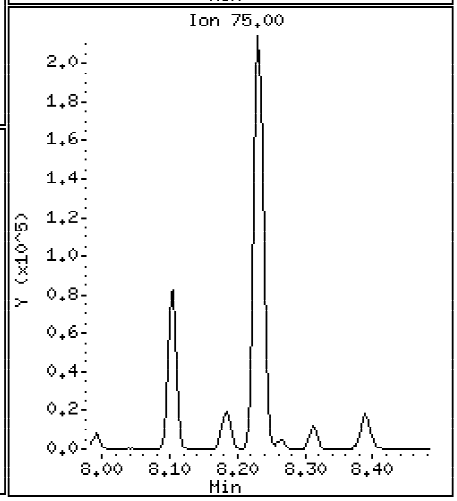


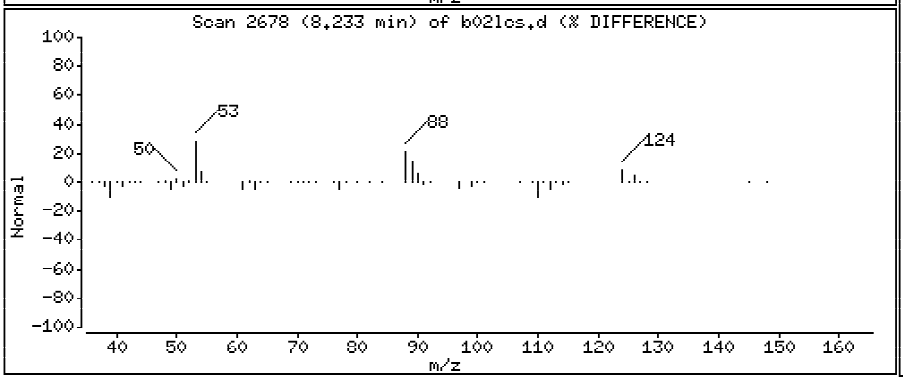












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 78

Date : 06-MAY-2014 12:21

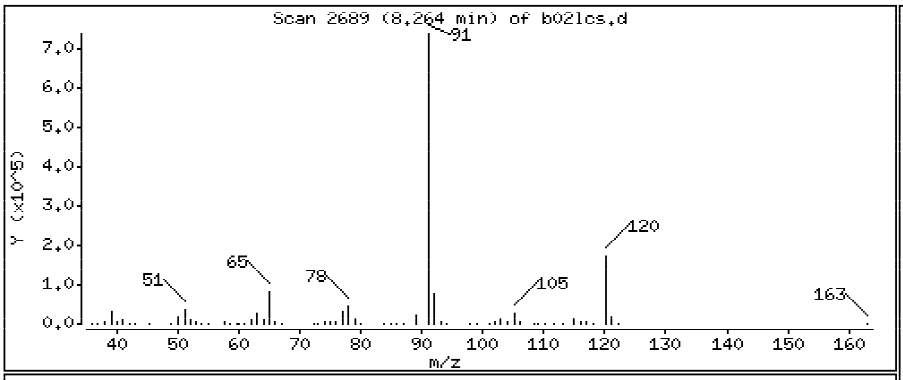
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

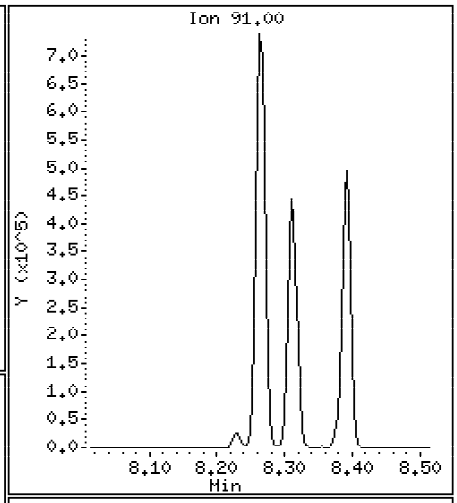
Sample Info: 1088990,65557:5

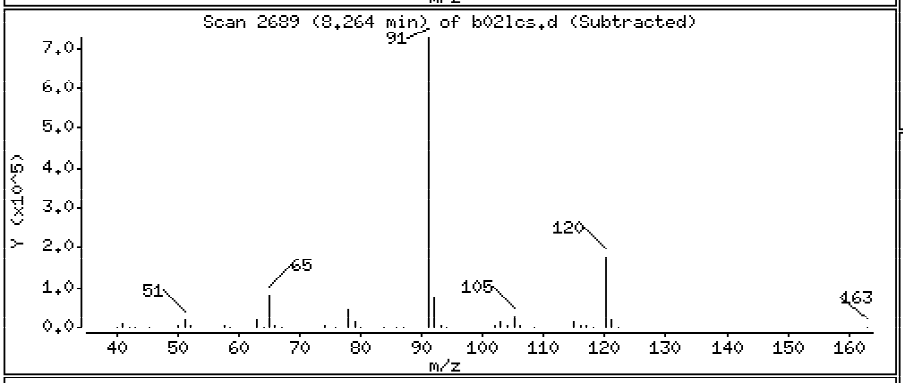
Purge Volume: 5.0 Operator: dae

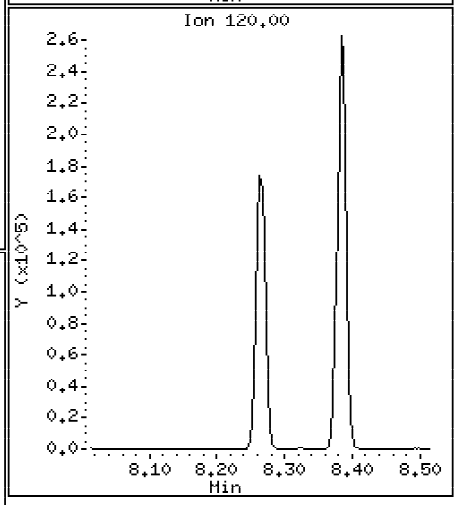
Column phase: DB-624 Column diameter: 0.18

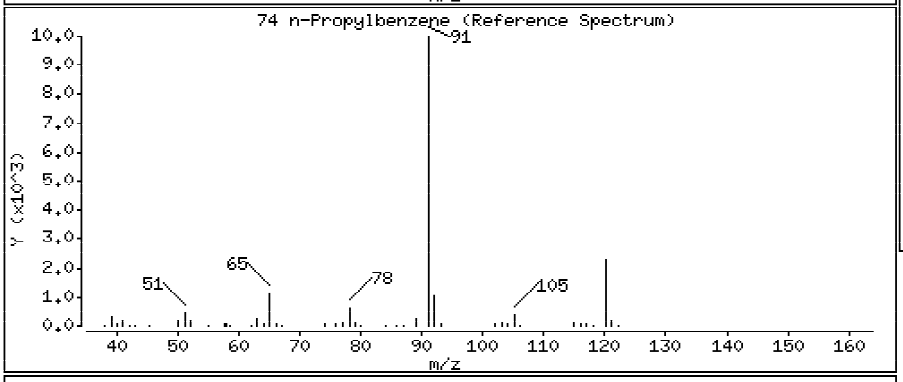
74 n-Propylbenzene Concentration: 52.0 ppb

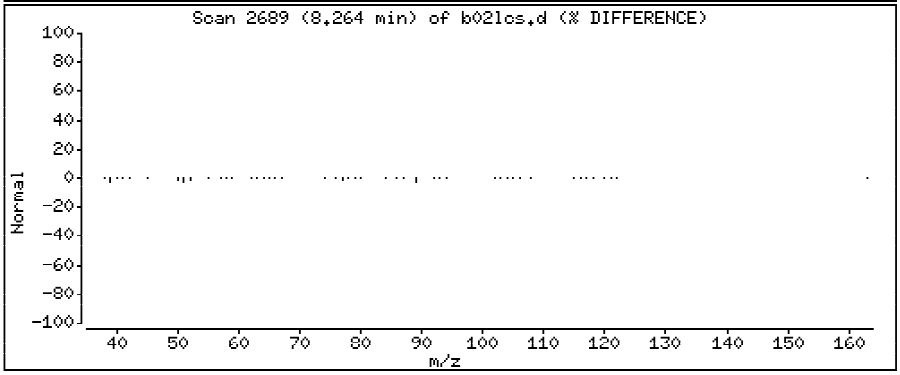












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 79

Date : 06-MAY-2014 12:21

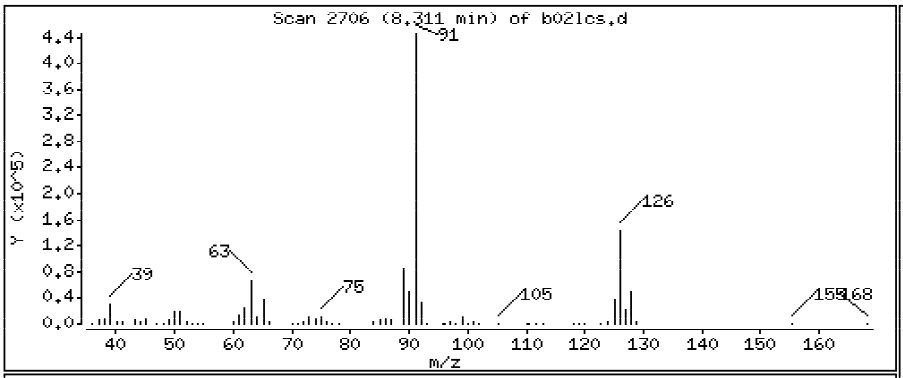
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

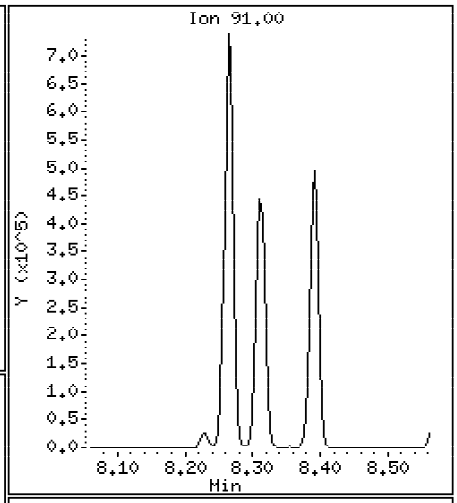
Sample Info: 1088990,65557:5

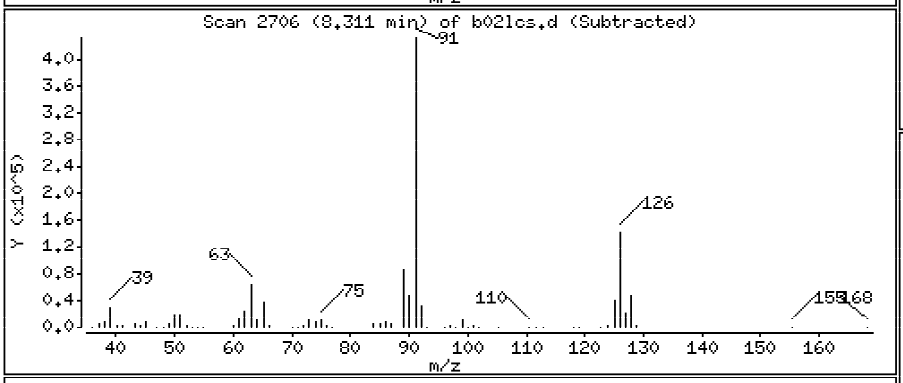
Purge Volume: 5.0 Operator: dae

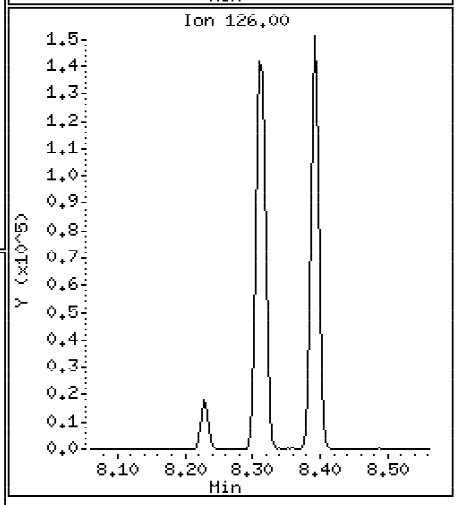
Column phase: DB-624 Column diameter: 0.18

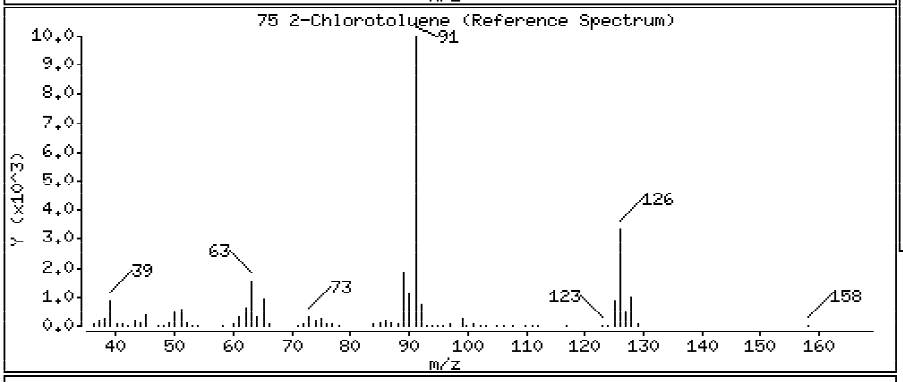
75 2-Chlorotoluene Concentration: 48.8 ppb

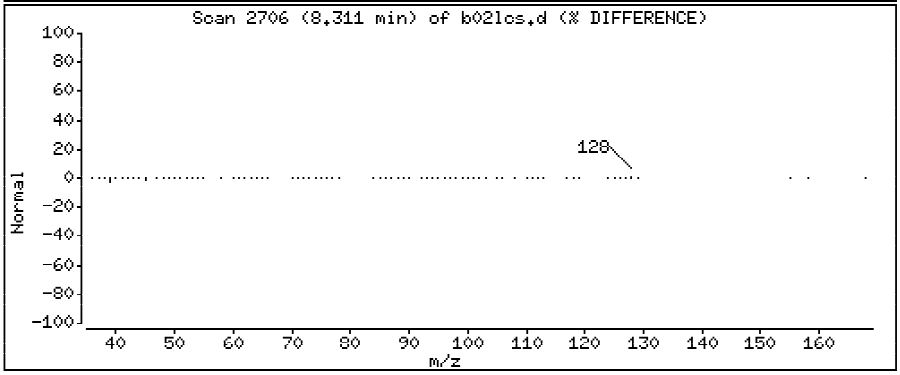












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 80

Date : 06-MAY-2014 12:21

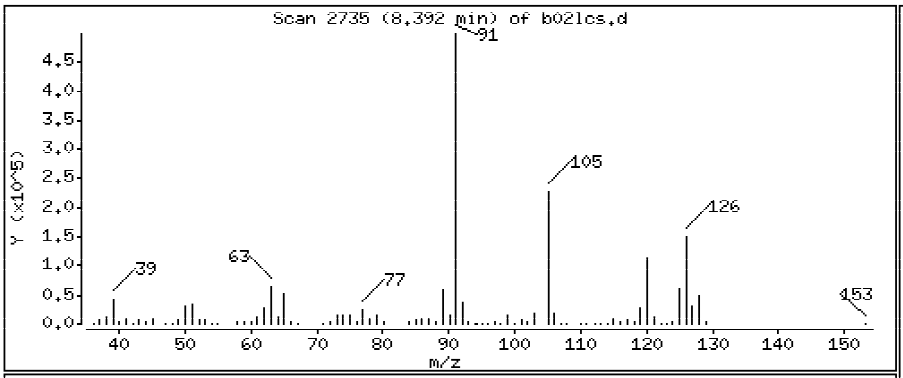
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

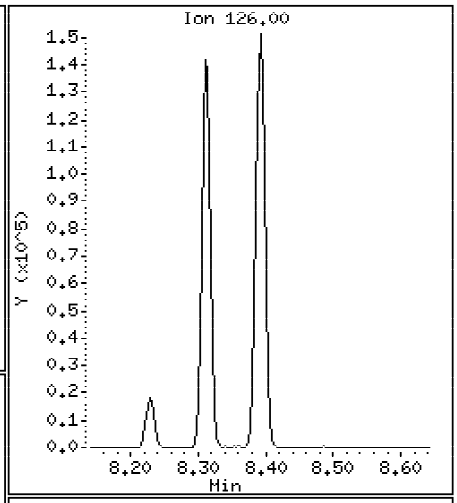
Sample Info: 1088990,65557:5

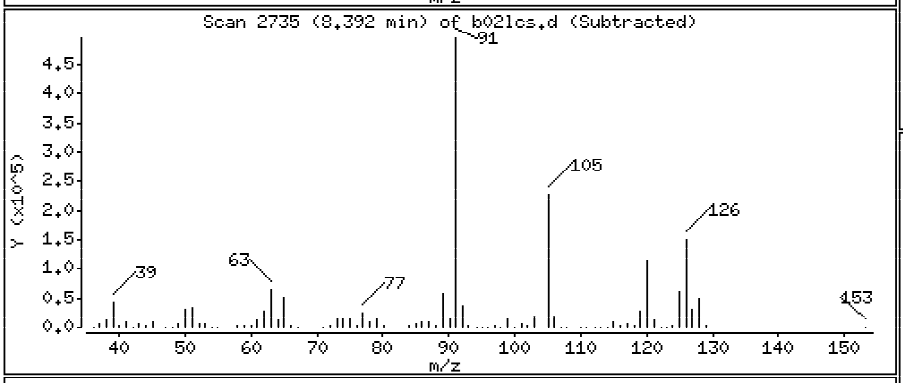
Purge Volume: 5.0 Operator: dae

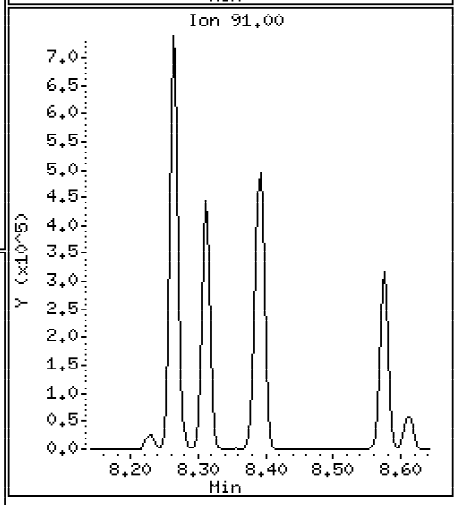
Column phase: DB-624 Column diameter: 0.18

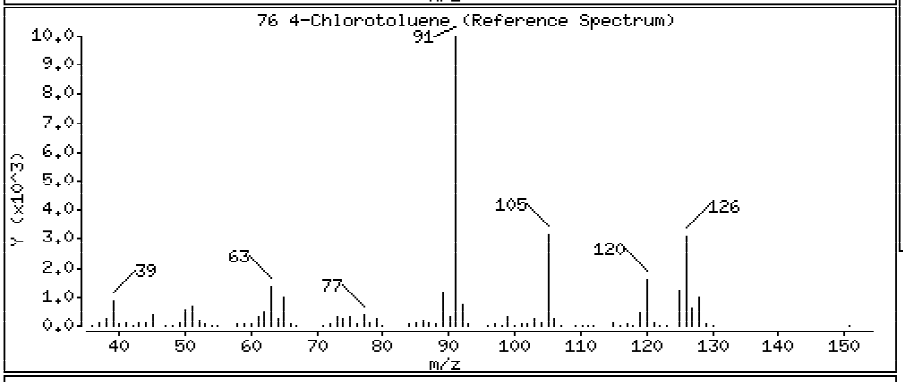
76 4-Chlorotoluene Concentration: 47.9 ppb

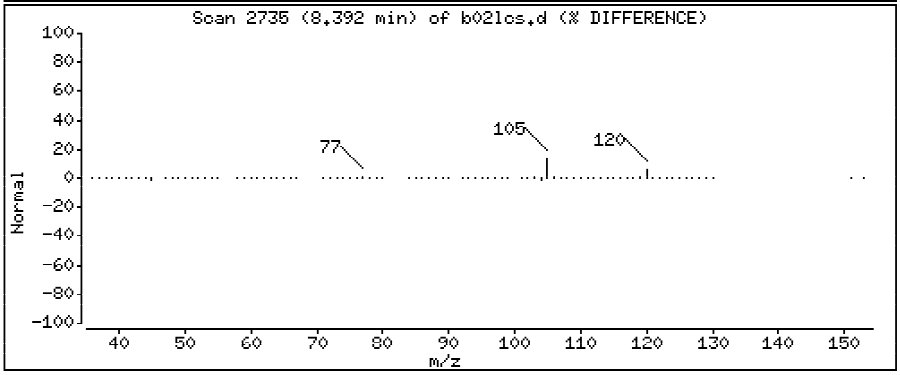












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 81

Date : 06-MAY-2014 12:21

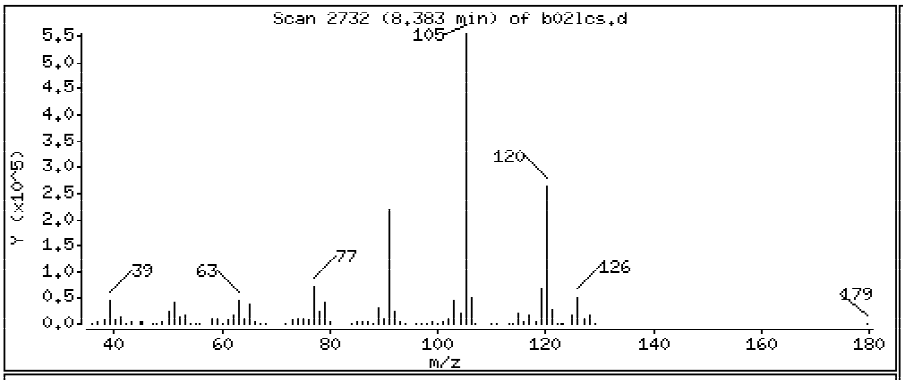
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

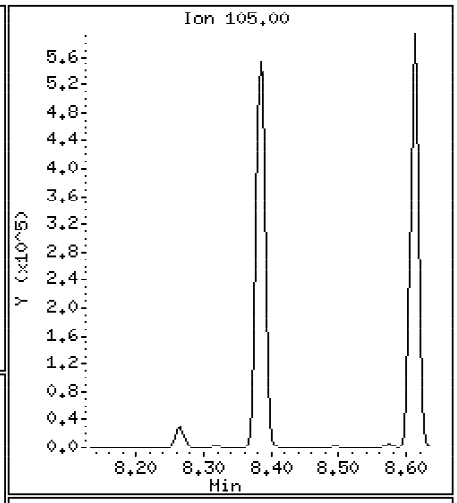
Sample Info: 1088990,65557:5

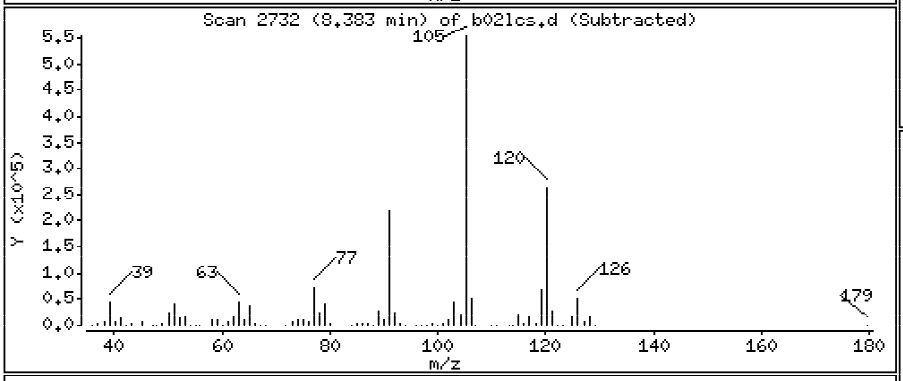
Purge Volume: 5.0 Operator: dae

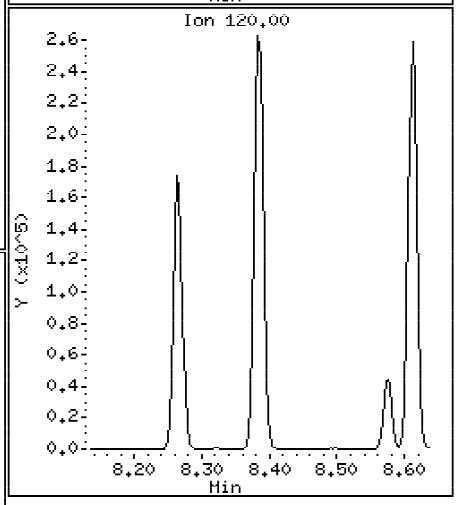
Column phase: DB-624 Column diameter: 0.18

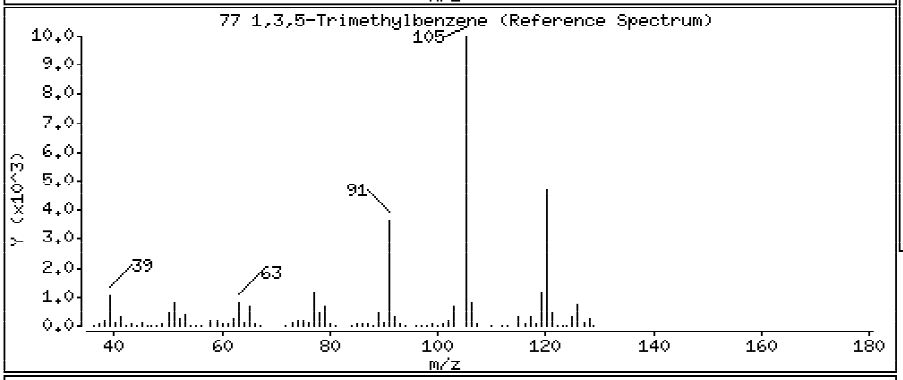
77 1,3,5-Trimethylbenzene Concentration: 52.0 ppb

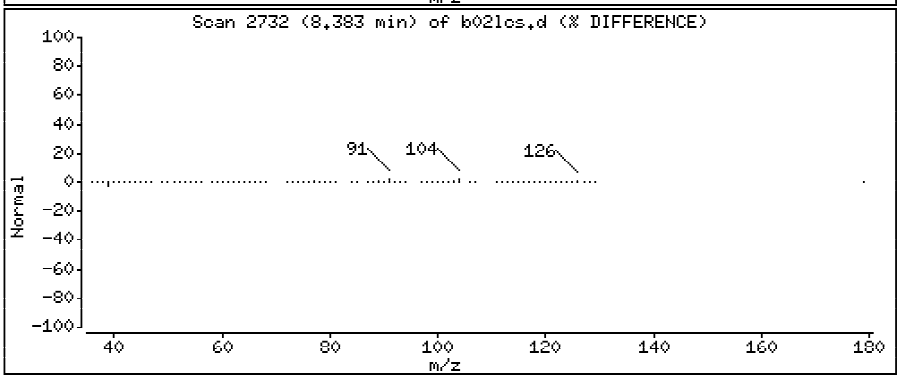












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 82

Date : 06-MAY-2014 12:21

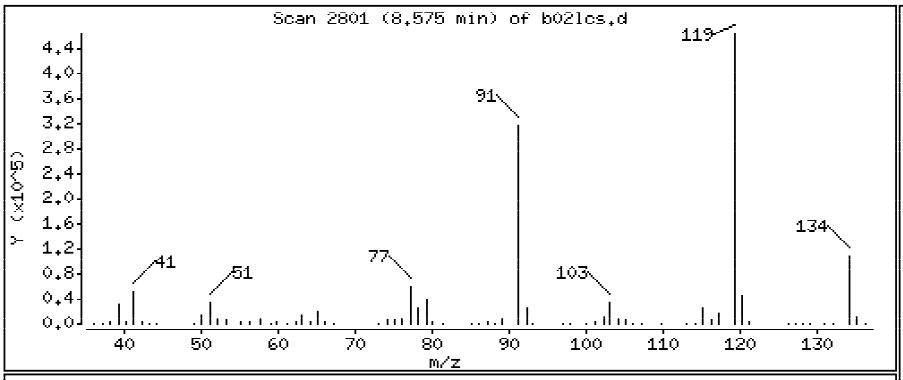
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

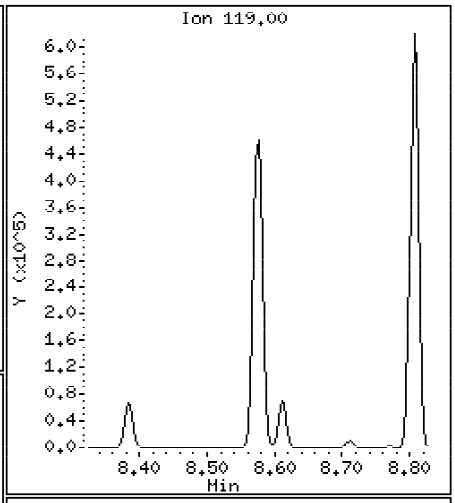
Sample Info: 1088990,65557:5

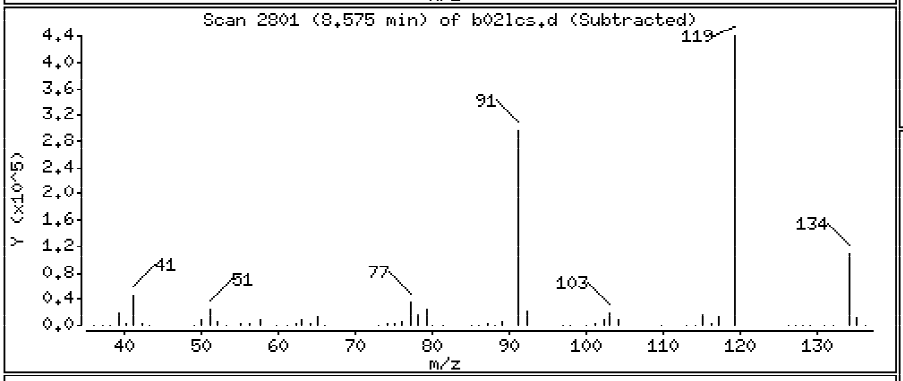
Purge Volume: 5.0 Operator: dae

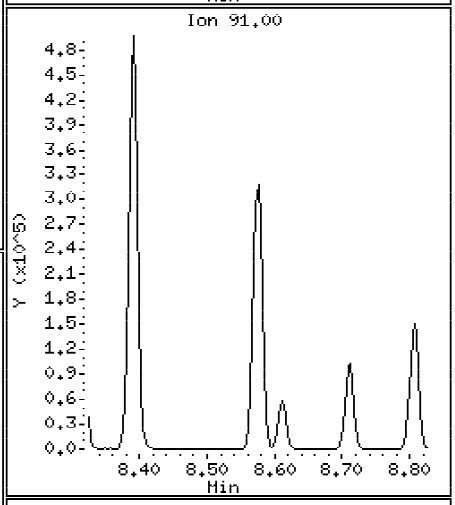
Column phase: DB-624 Column diameter: 0.18

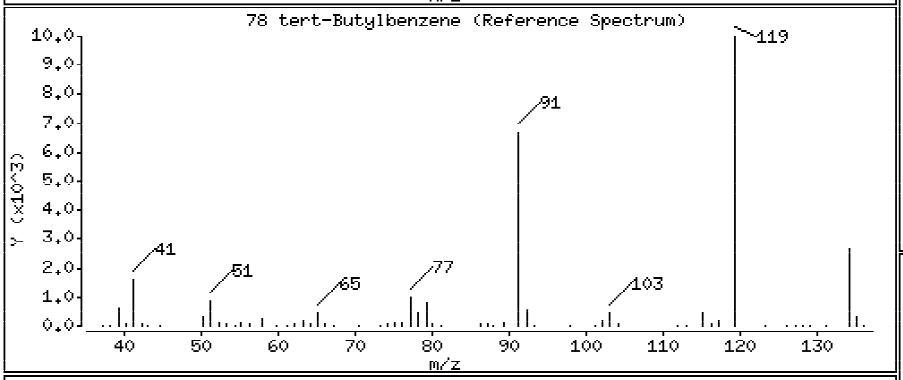
78 tert-Butylbenzene Concentration: 44.0 ppb

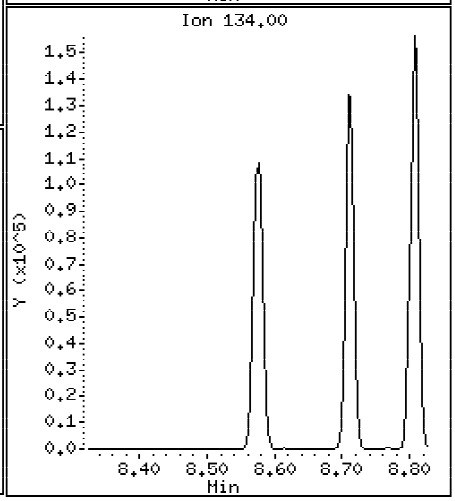


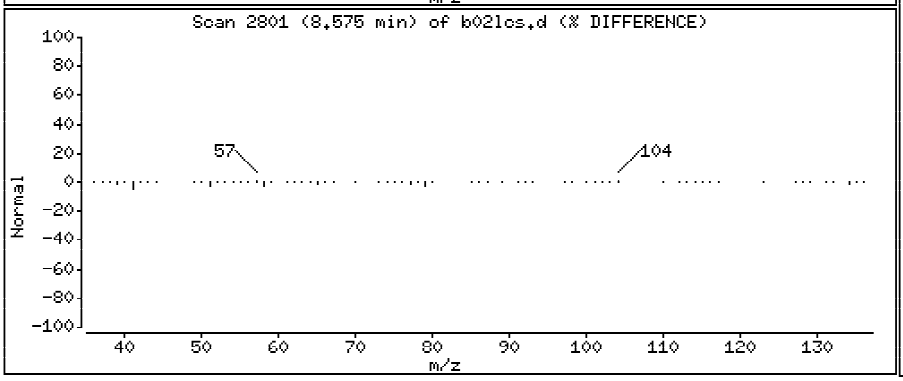












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 83

Date : 06-MAY-2014 12:21

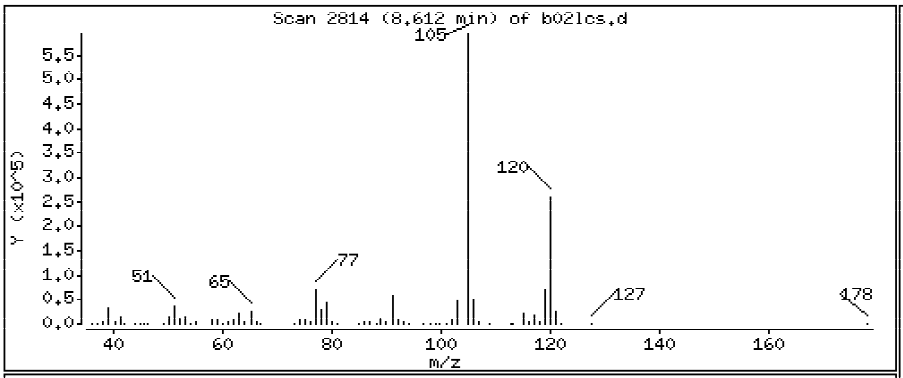
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

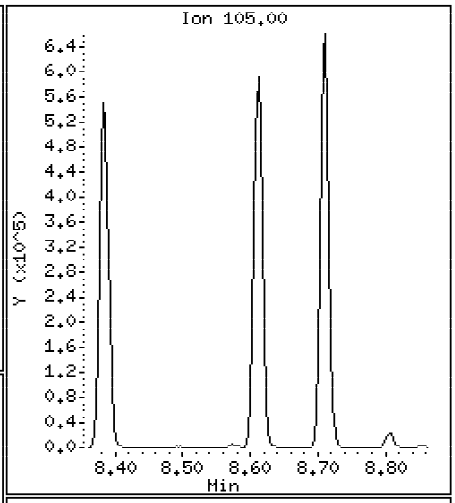
Sample Info: 1088990,65557:5

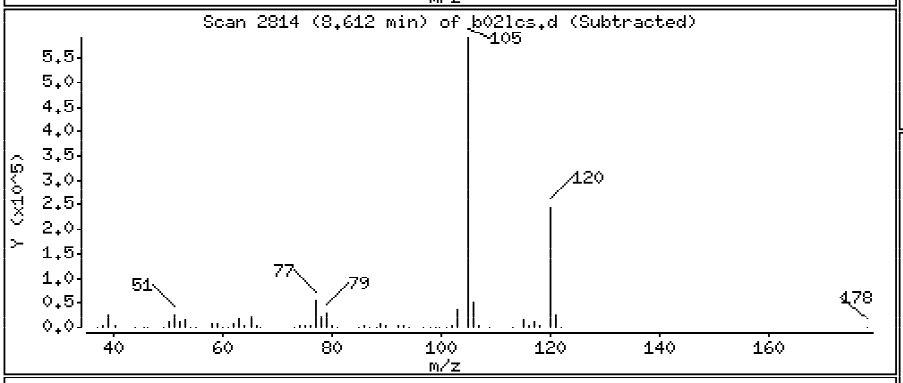
Purge Volume: 5.0 Operator: dae

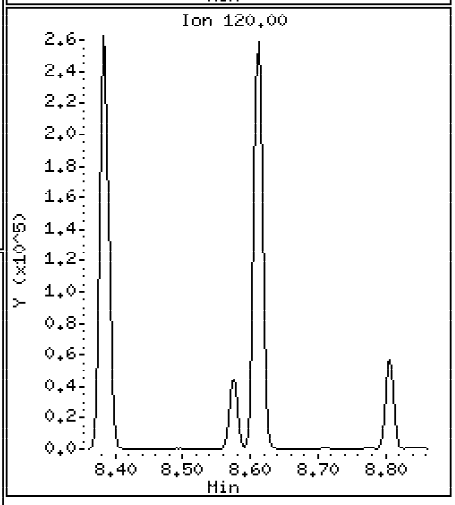
Column phase: DB-624 Column diameter: 0.18

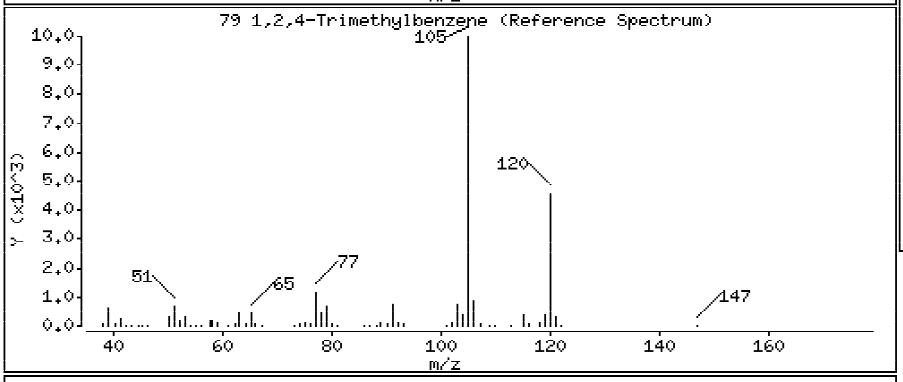
79 1,2,4-Trimethylbenzene Concentration: 51.3 ppb

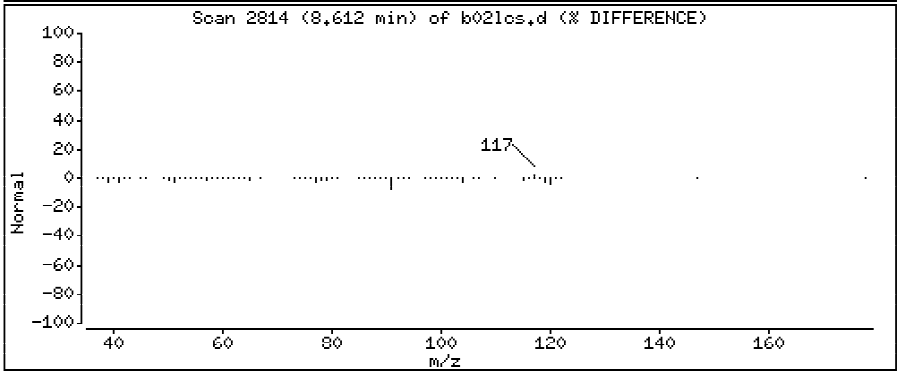












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 84

Date : 06-MAY-2014 12:21

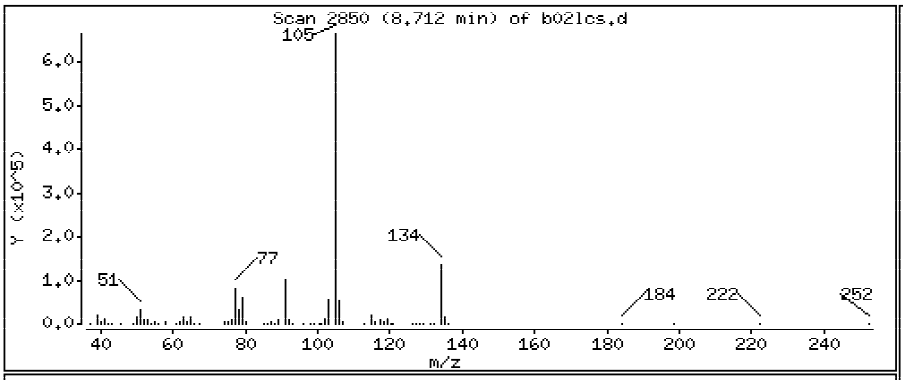
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

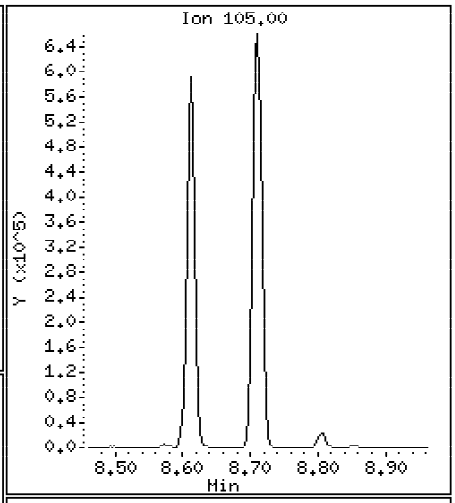
Sample Info: 1088990,65557:5

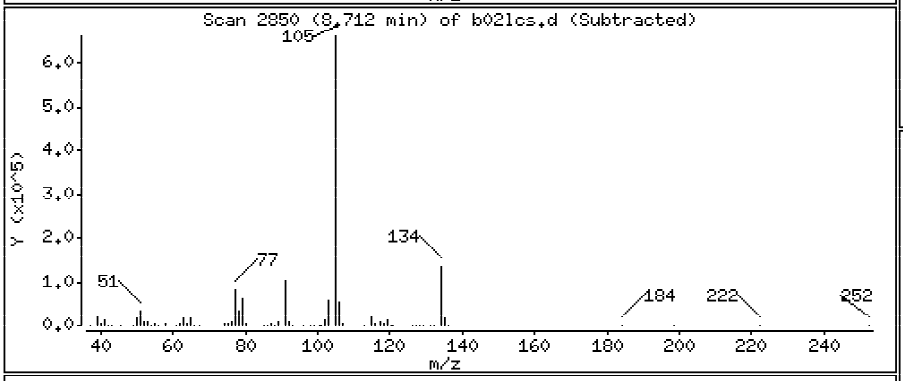
Purge Volume: 5.0 Operator: dae

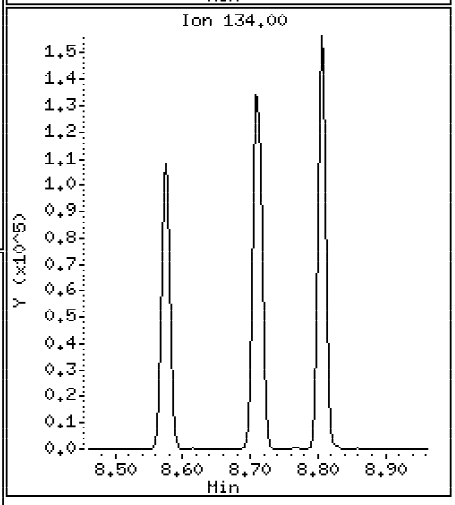
Column phase: DB-624 Column diameter: 0.18

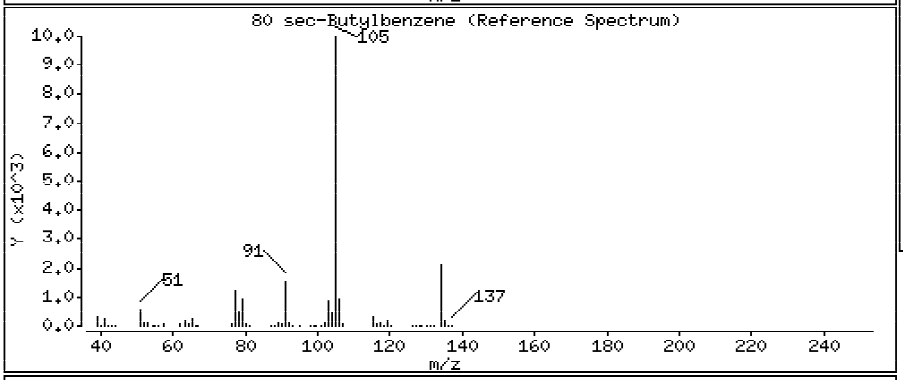
80 sec-Butylbenzene Concentration: 53.1 ppb

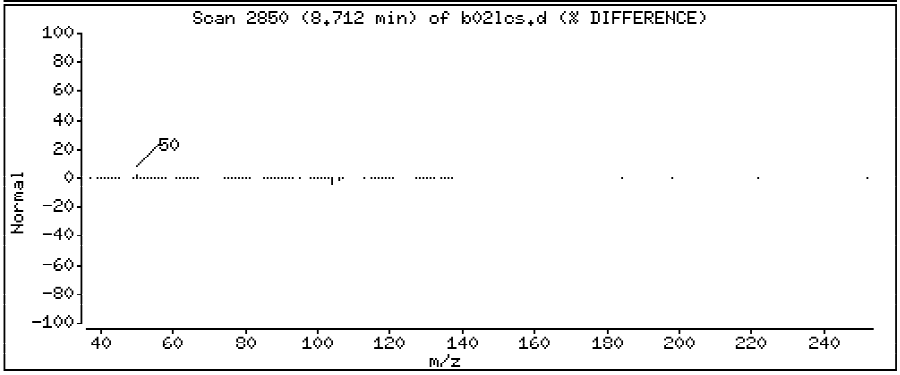












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 85

Date : 06-MAY-2014 12:21

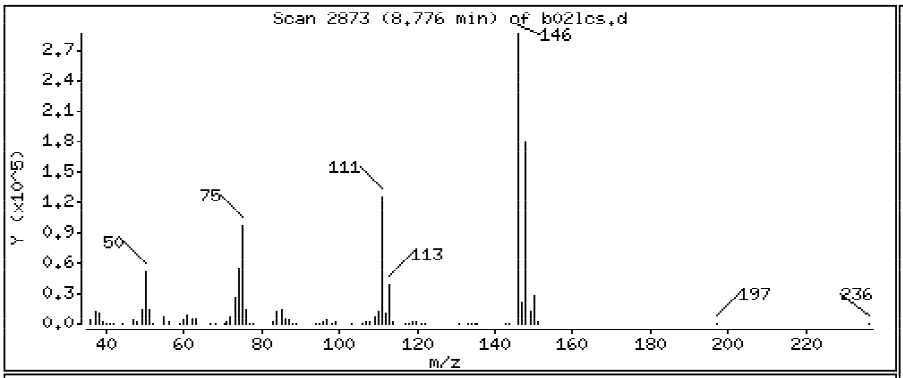
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

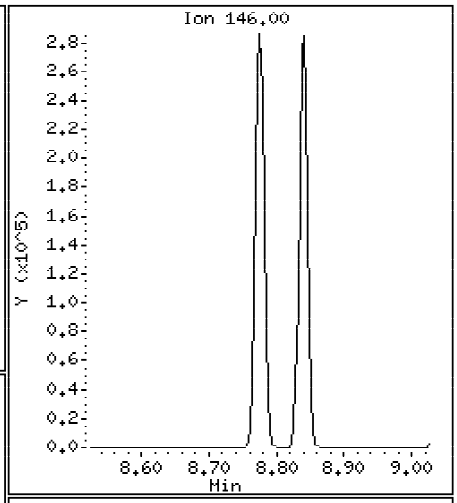
Sample Info: 1088990,65557:5

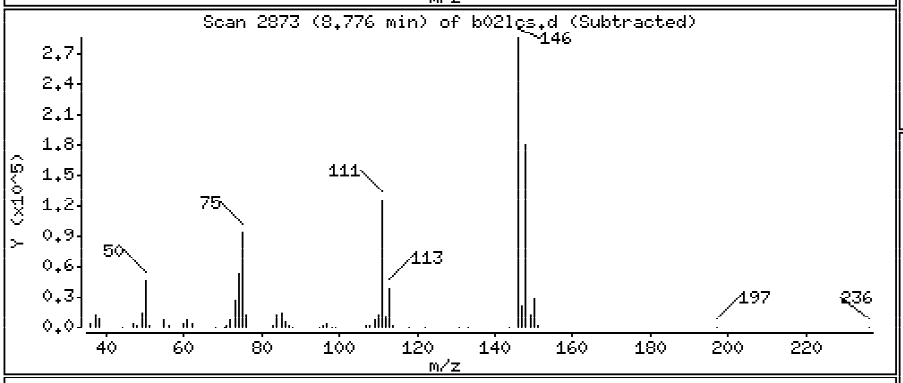
Purge Volume: 5.0 Operator: dae

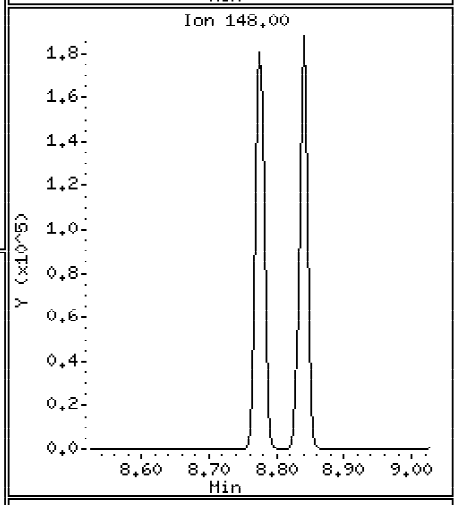
Column phase: DB-624 Column diameter: 0.18

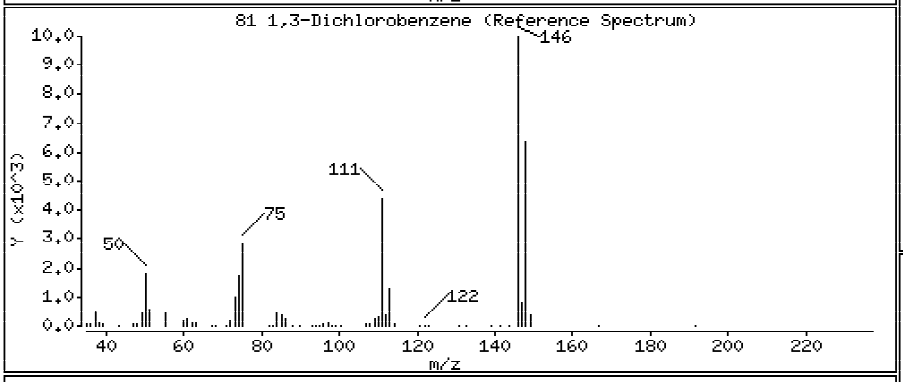
81 1,3-Dichlorobenzene Concentration: 49.0 ppb

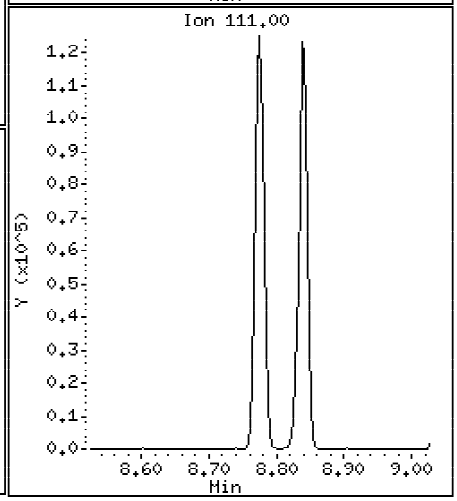


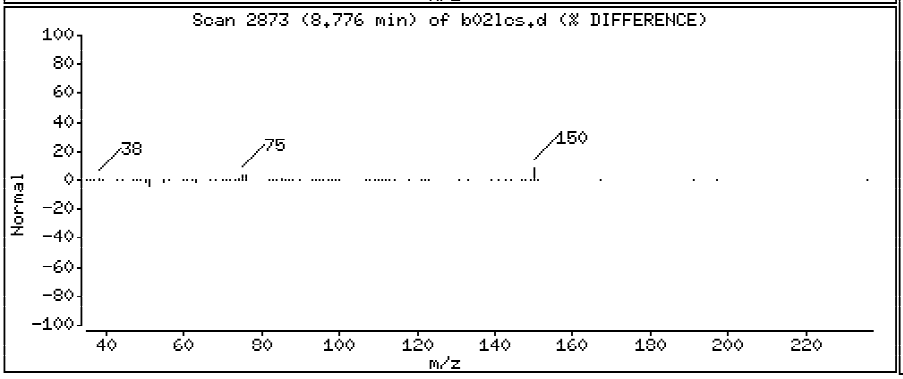












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 86

Date : 06-MAY-2014 12:21

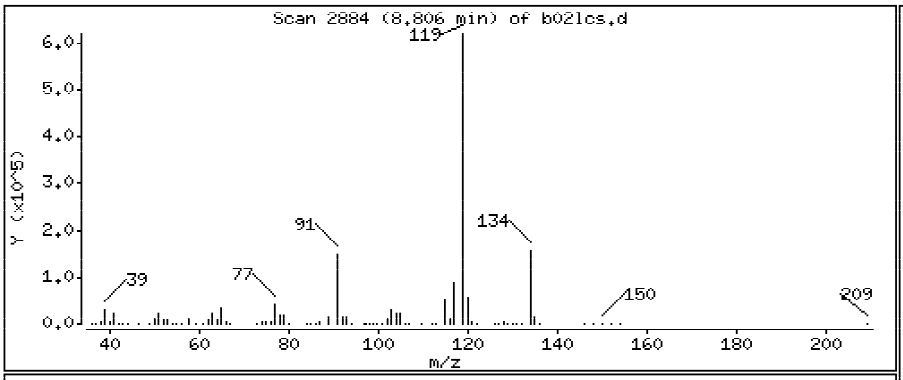
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

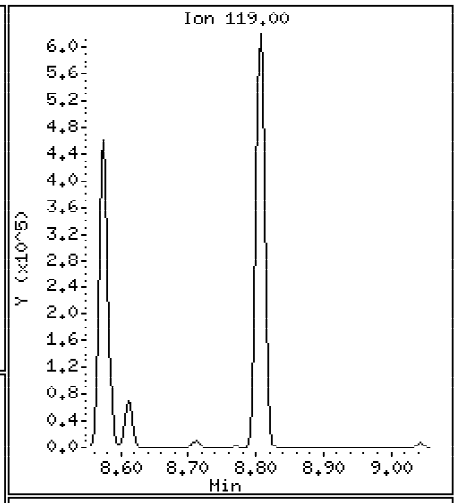
Sample Info: 1088990,65557:5

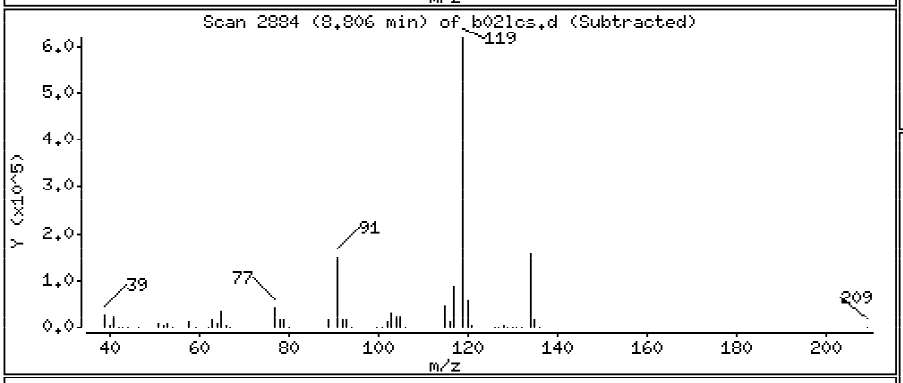
Purge Volume: 5.0 Operator: dae

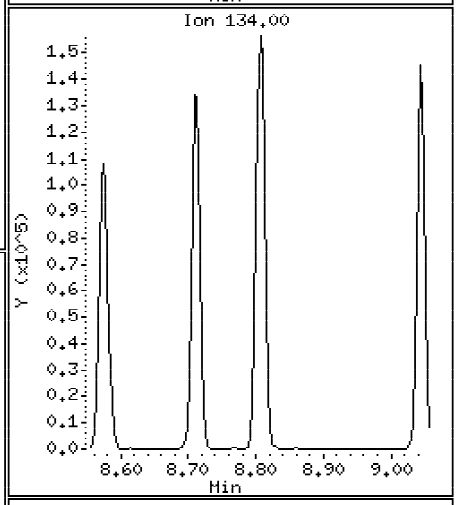
Column phase: DB-624 Column diameter: 0.18

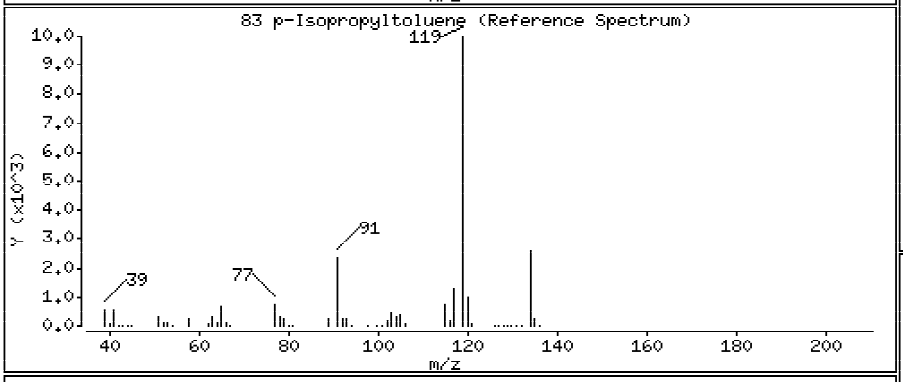
83 p-Isopropyltoluene Concentration: 53.8 ppb

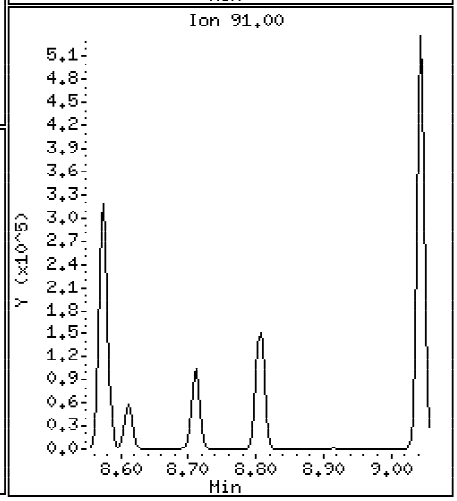


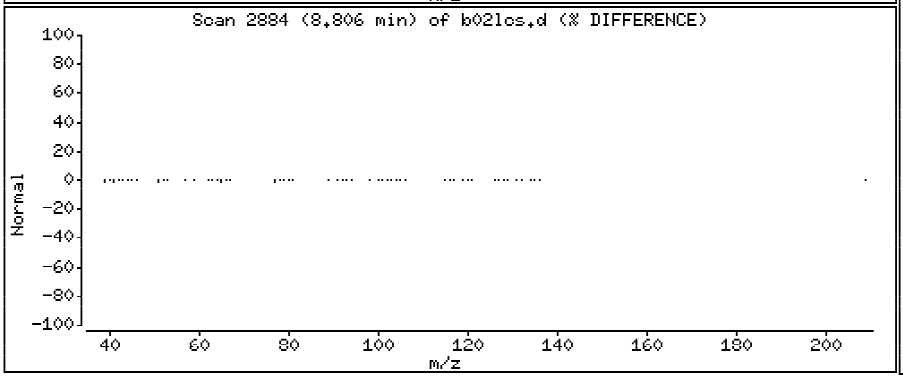












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 87

Date : 06-MAY-2014 12:21

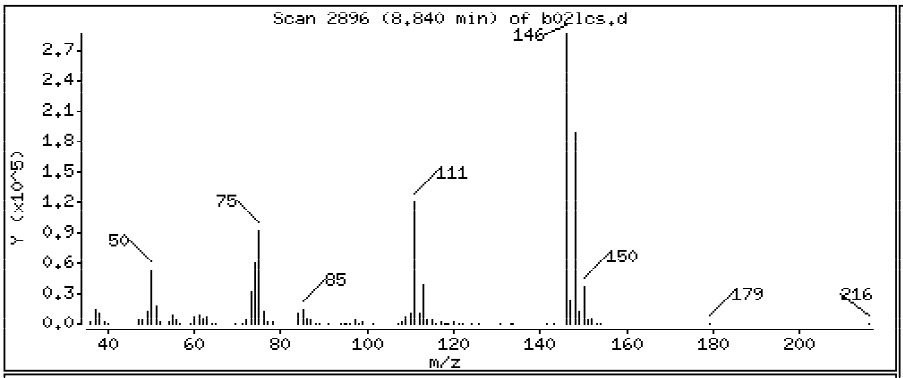
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

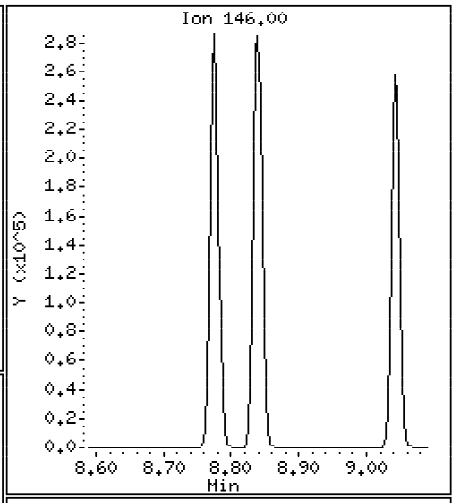
Sample Info: 1088990,65557:5

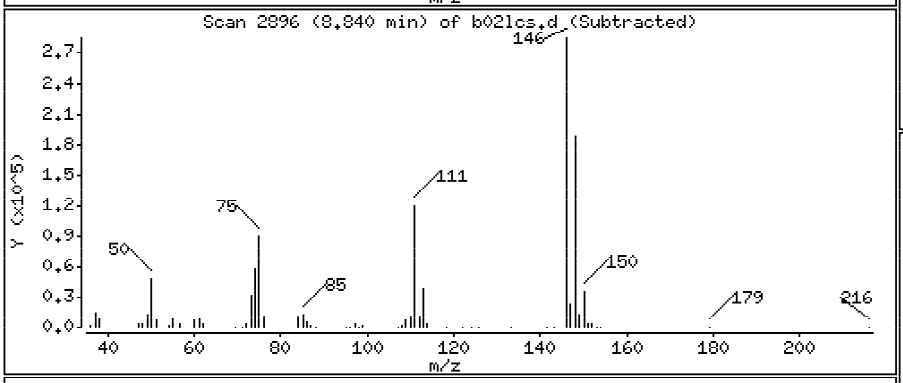
Purge Volume: 5.0 Operator: dae

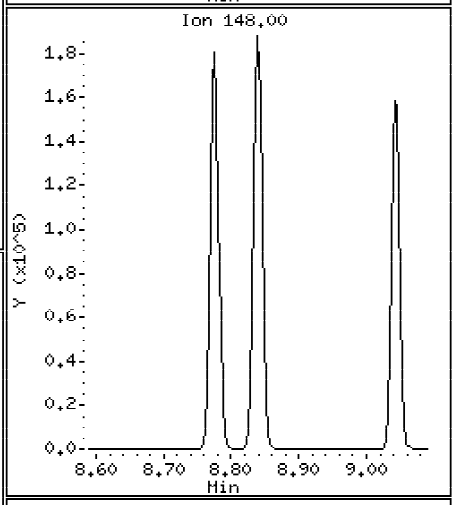
Column phase: DB-624 Column diameter: 0.18

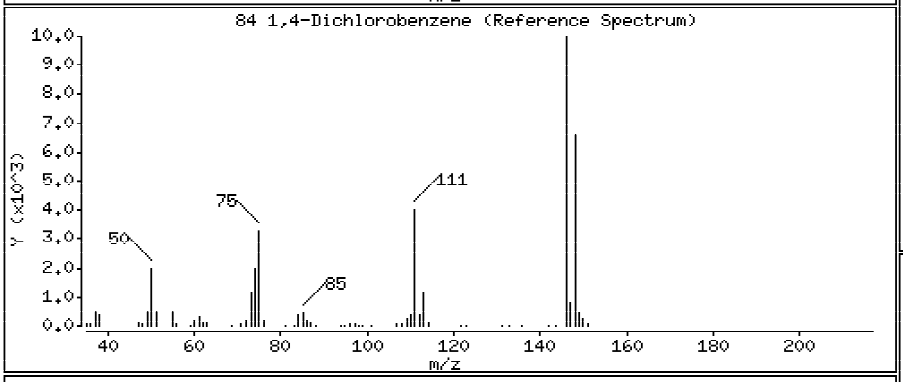
84 1,4-Dichlorobenzene Concentration: 48.0 ppb

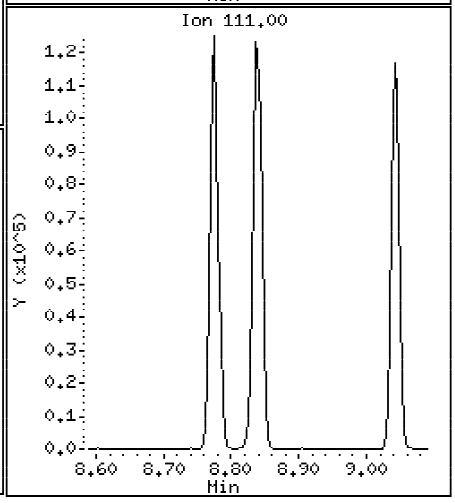


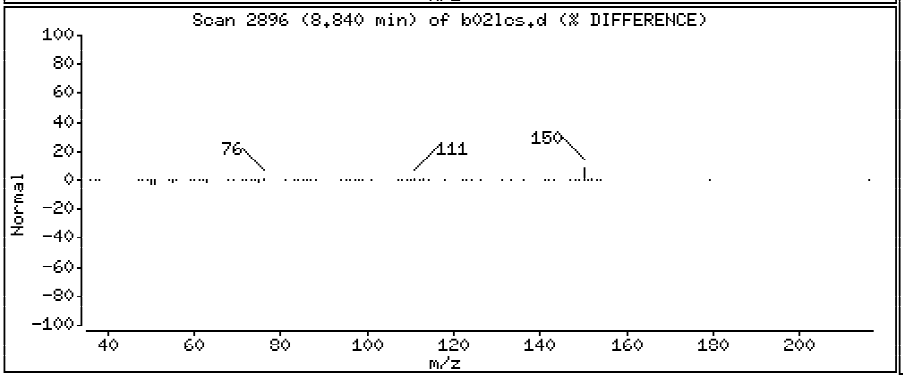












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 88

Date : 06-MAY-2014 12:21

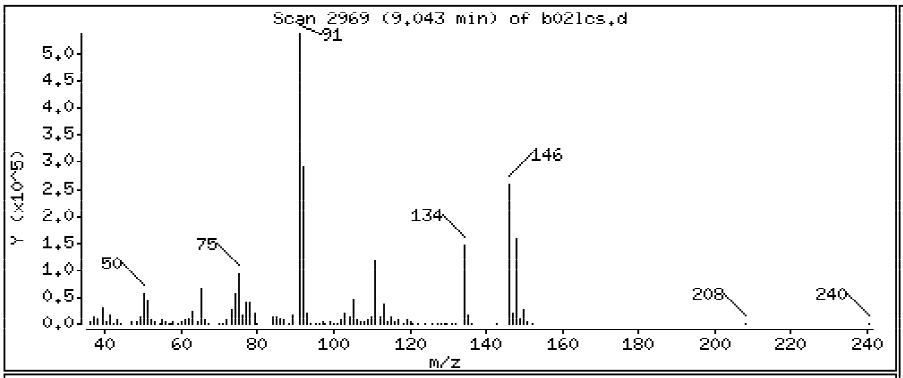
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

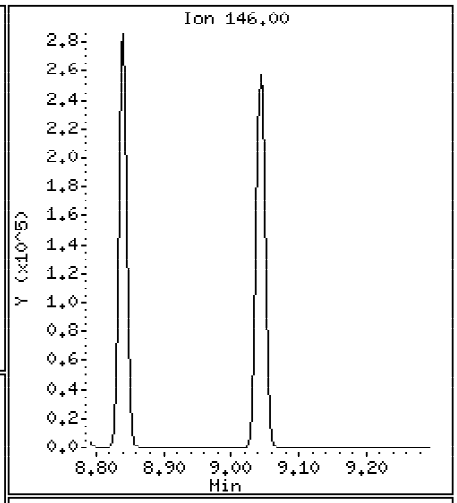
Sample Info: 1088990,65557:5

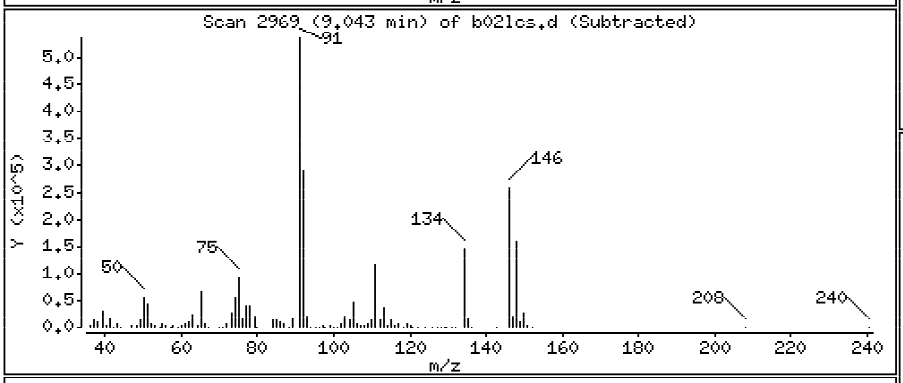
Purge Volume: 5.0 Operator: dae

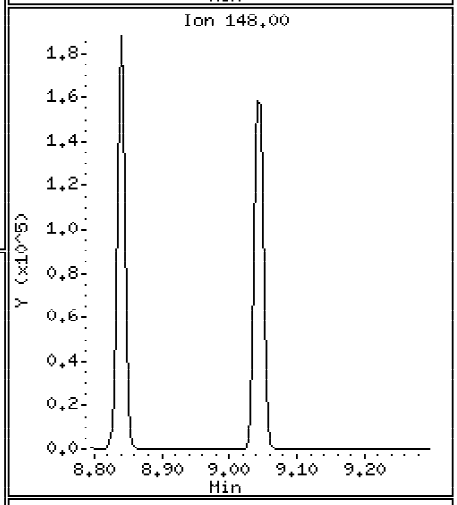
Column phase: DB-624 Column diameter: 0.18

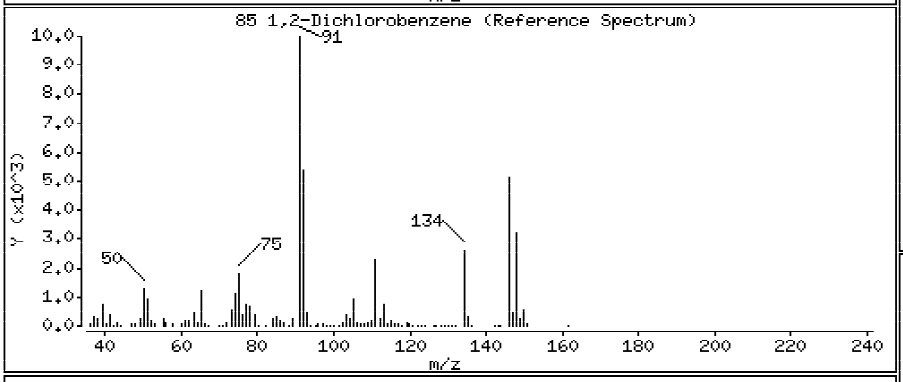
85 1,2-Dichlorobenzene Concentration: 50.6 ppb

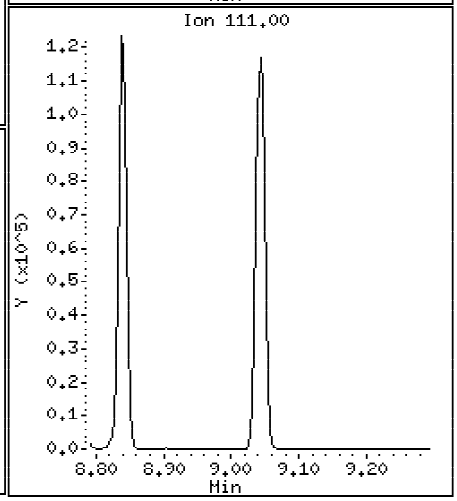


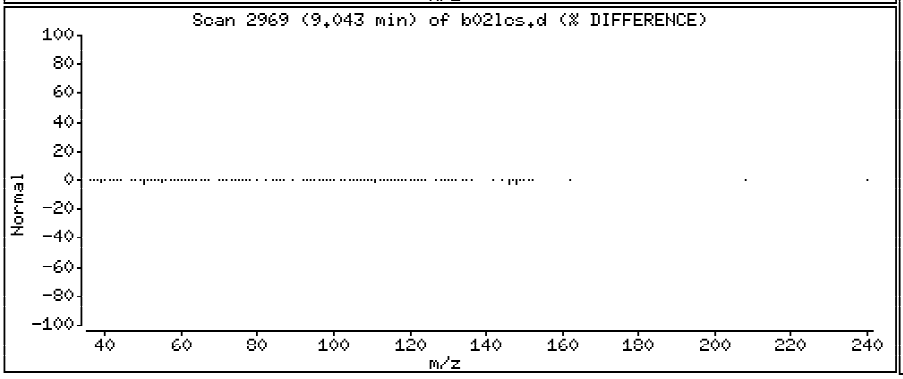












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 89

Date : 06-MAY-2014 12:21

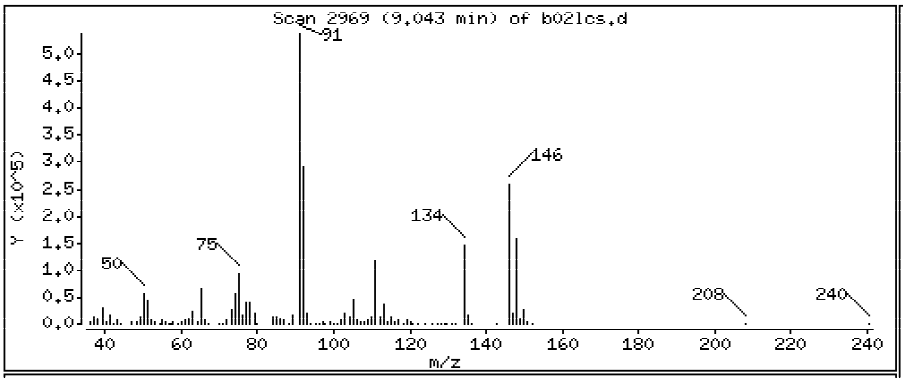
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

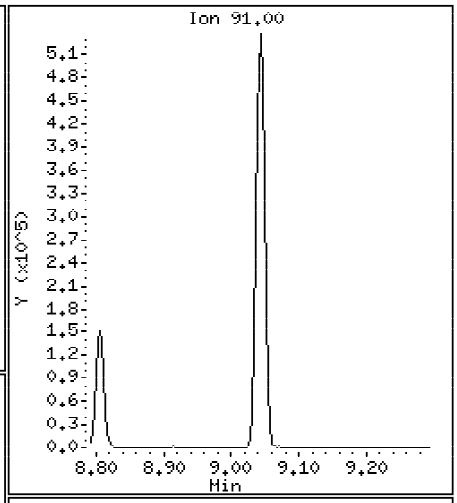
Sample Info: 1088990,65557:5

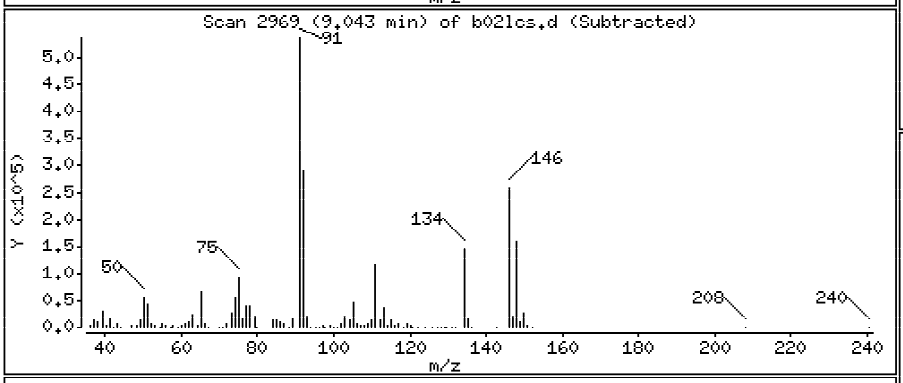
Purge Volume: 5.0 Operator: dae

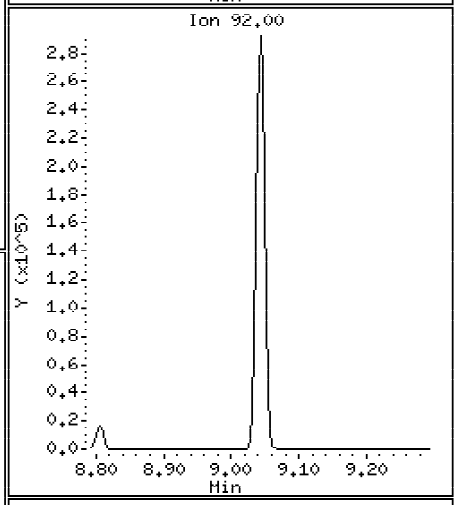
Column phase: DB-624 Column diameter: 0.18

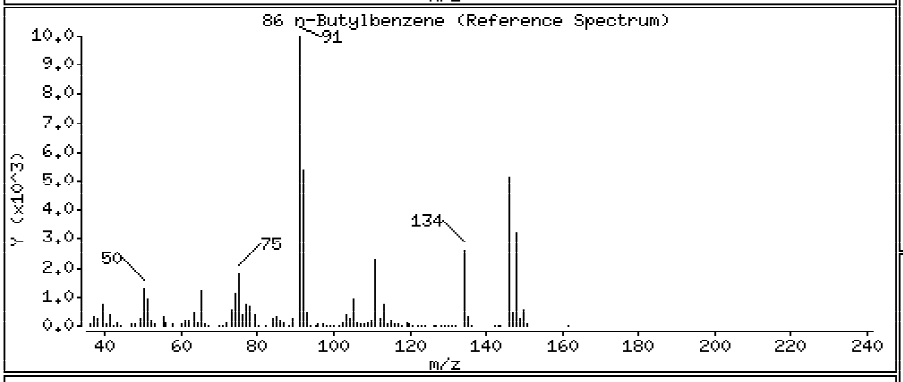
86 n-Butylbenzene Concentration: 55.2 ppb

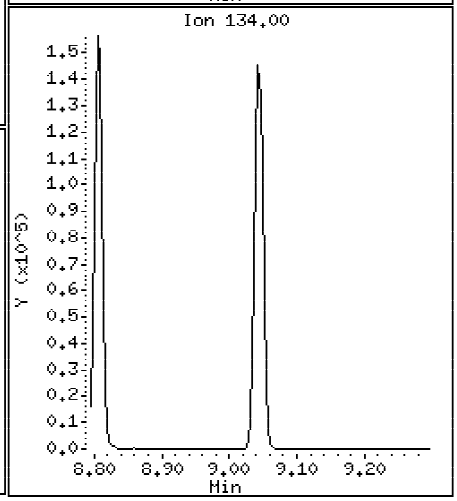


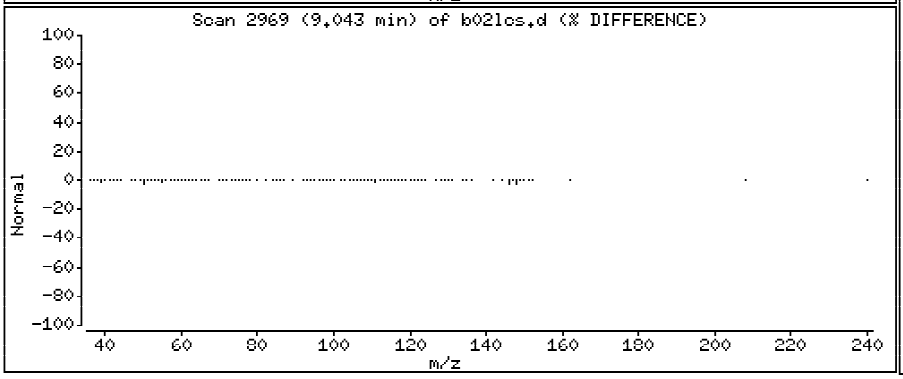












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 90

Date : 06-MAY-2014 12:21

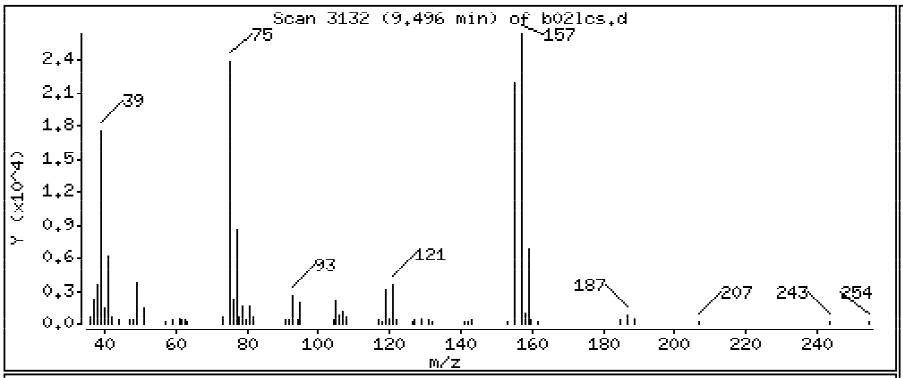
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

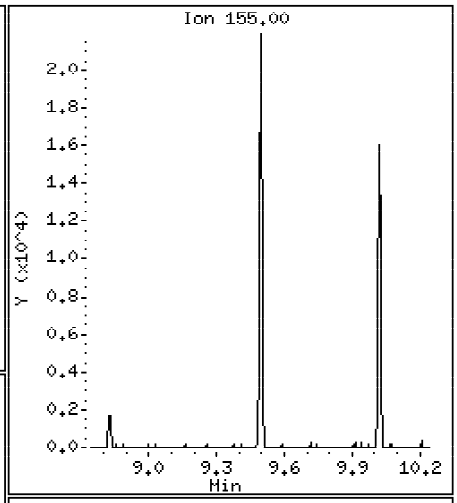
Sample Info: 1088990,65557:5

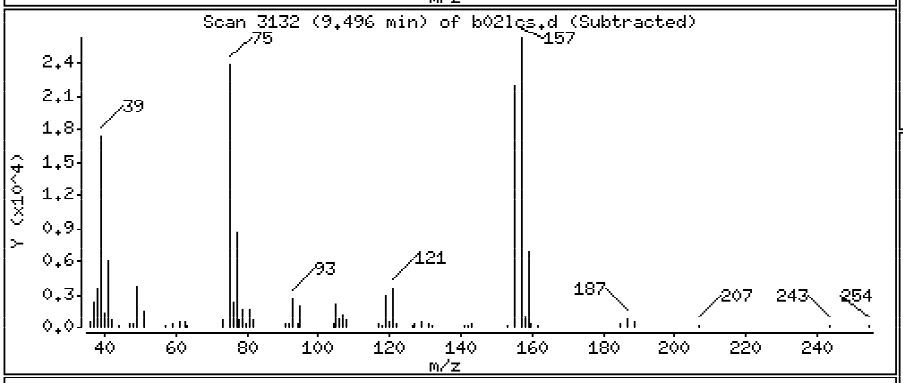
Purge Volume: 5.0 Operator: dae

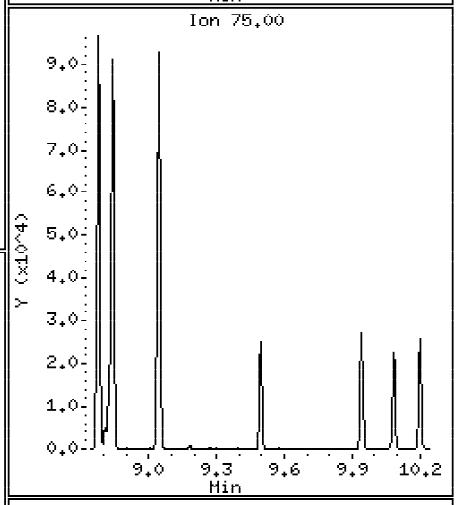
Column phase: DB-624 Column diameter: 0.18

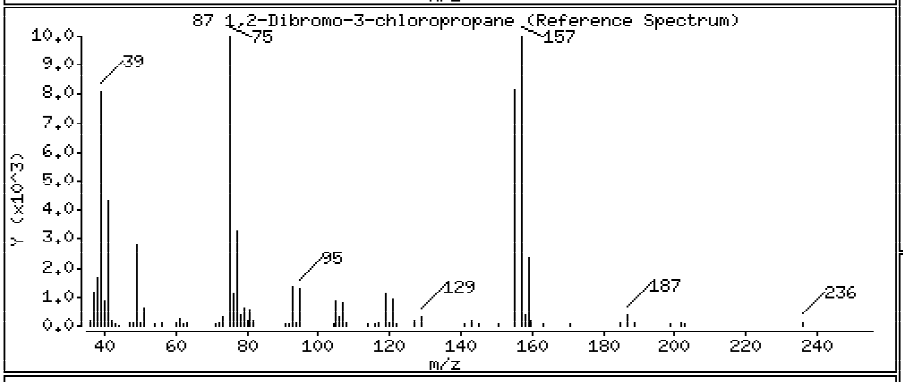
87 1,2-Dibromo-3-chloropropane Concentration: 40.7 ppb

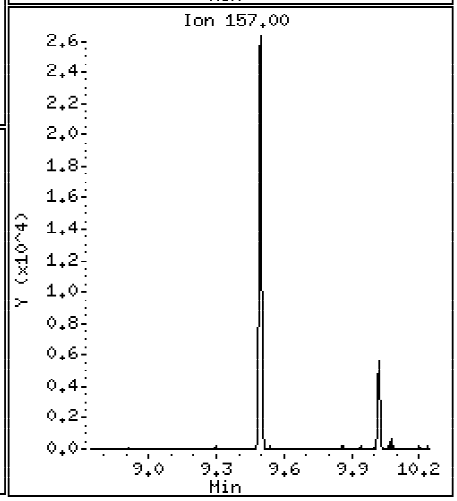


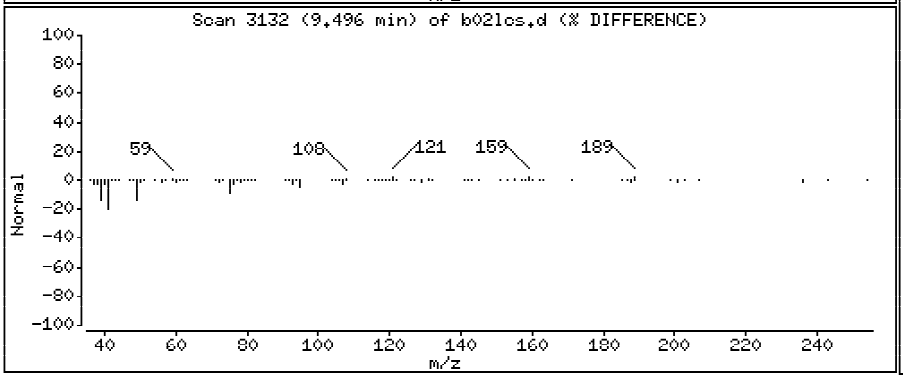












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 91

Date : 06-MAY-2014 12:21

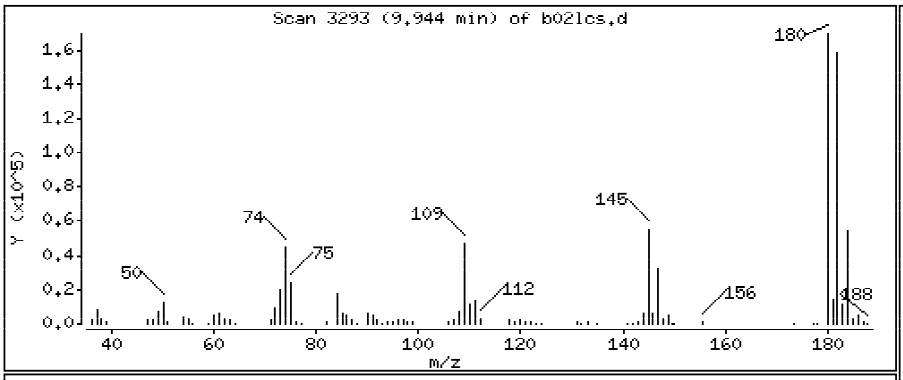
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

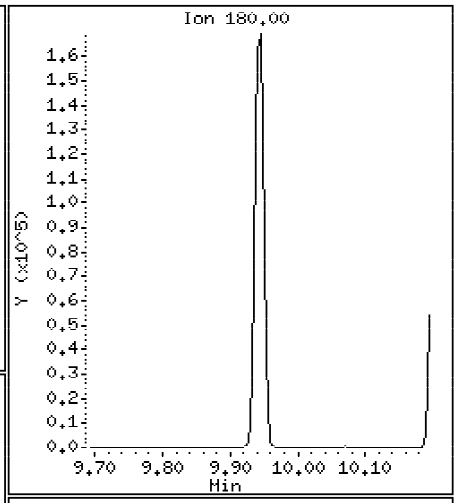
Sample Info: 1088990,65557:5

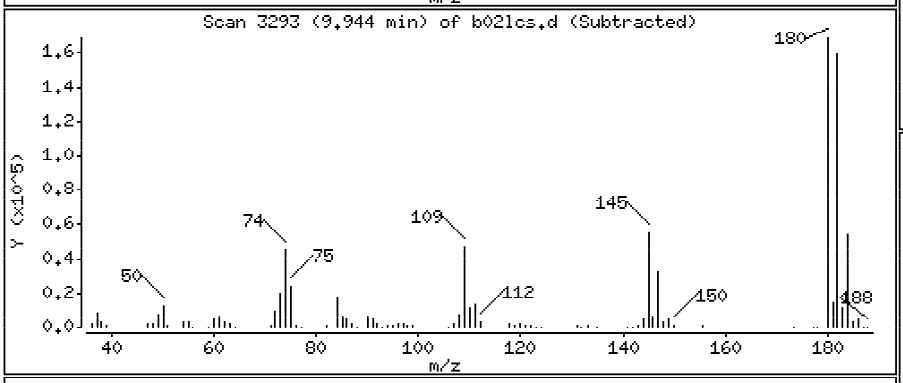
Purge Volume: 5.0 Operator: dae

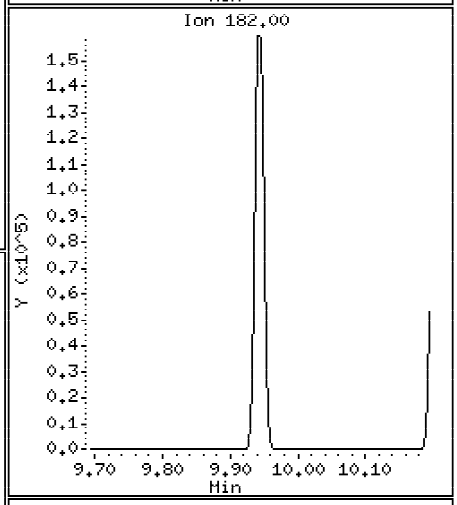
Column phase: DB-624 Column diameter: 0.18

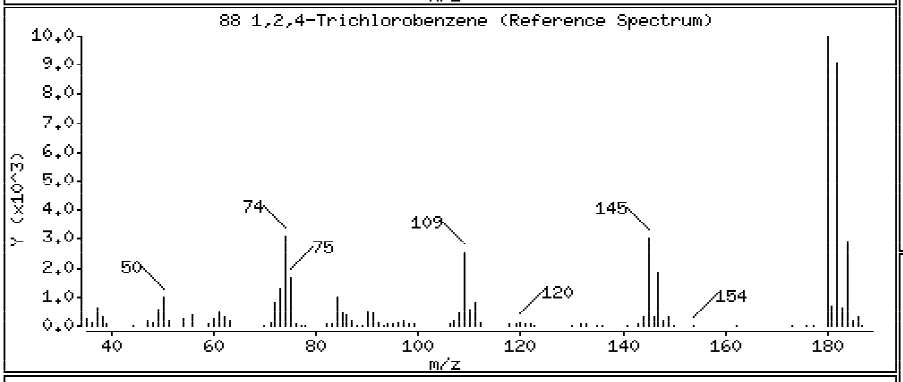
88 1,2,4-Trichlorobenzene Concentration: 58.9 ppb

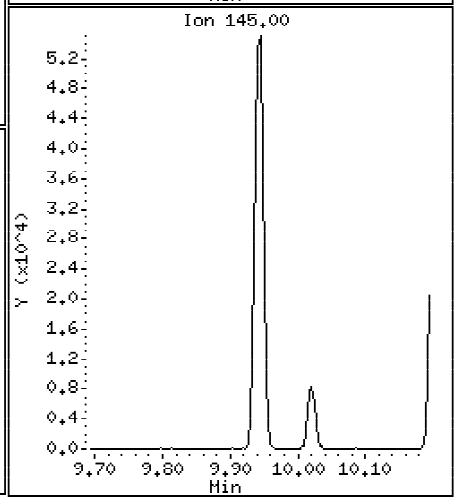


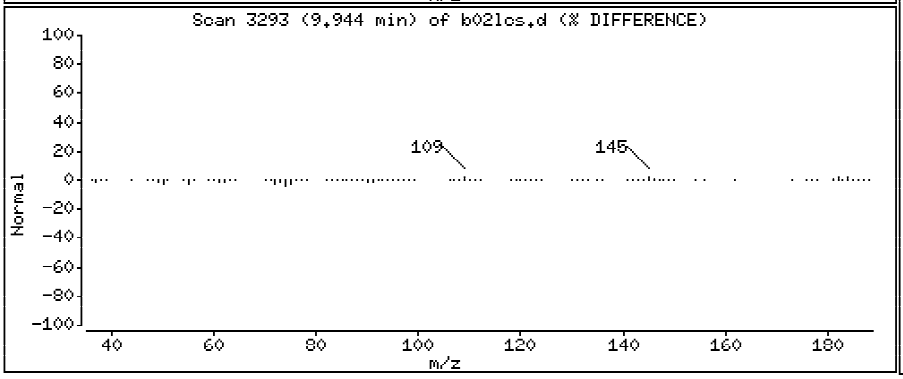












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 92

Date : 06-MAY-2014 12:21

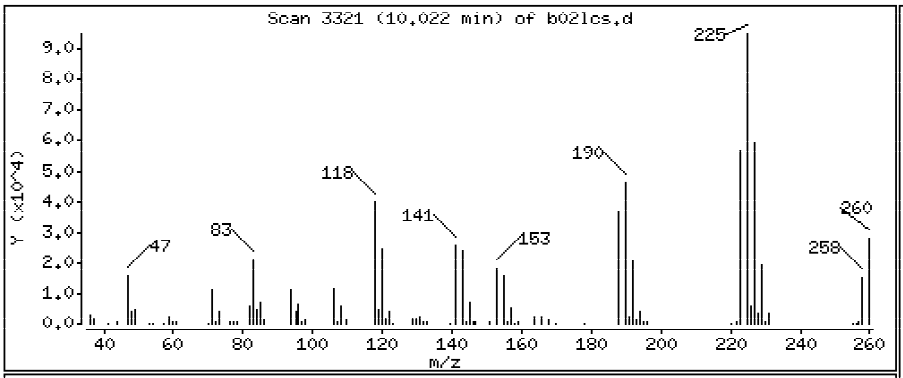
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

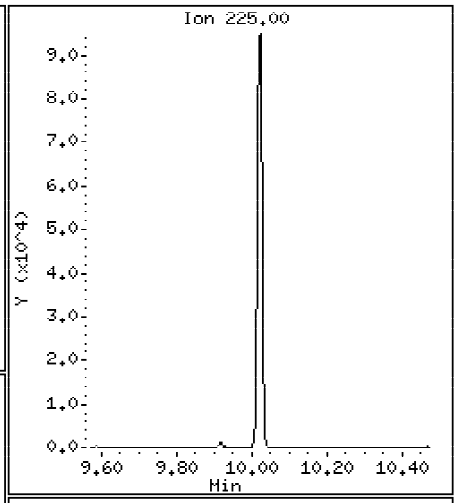
Sample Info: 1088990,65557:5

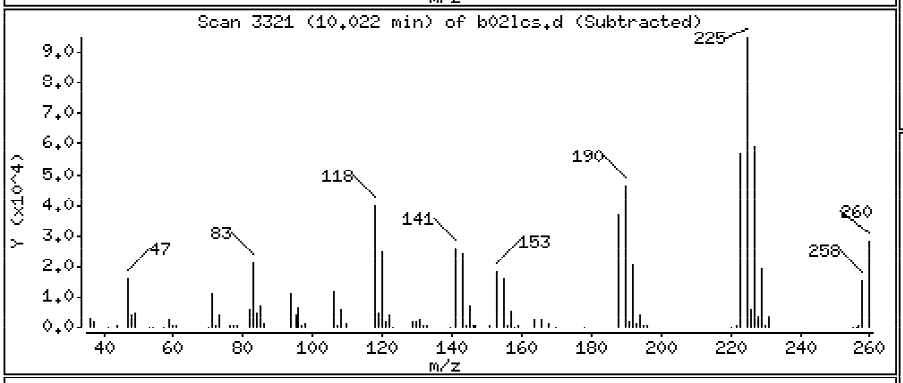
Purge Volume: 5.0 Operator: dae

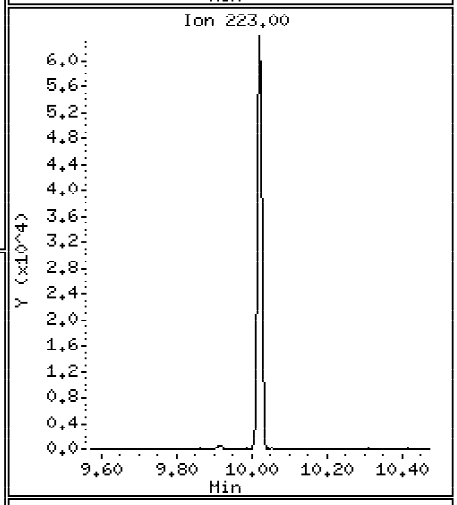
Column phase: DB-624 Column diameter: 0.18

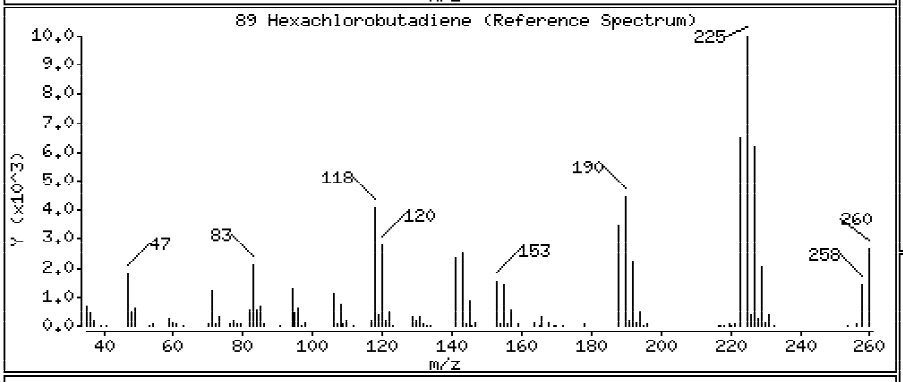
89 Hexachlorobutadiene Concentration: 51.1 ppb

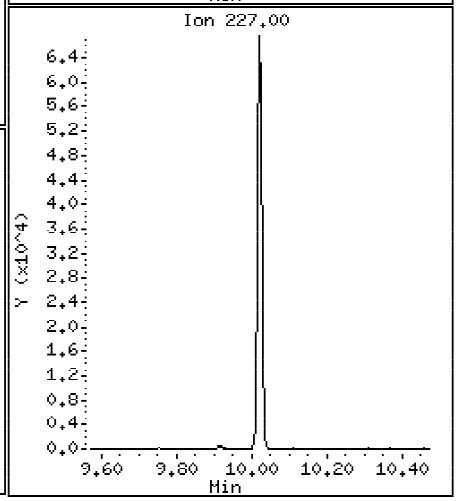


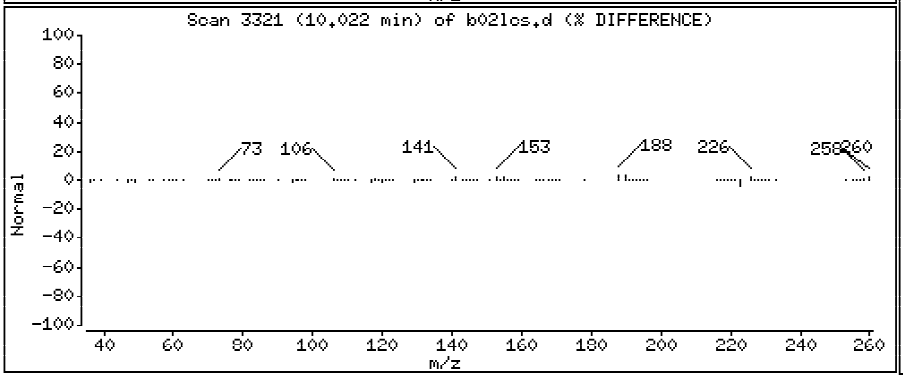












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 93

Date : 06-MAY-2014 12:21

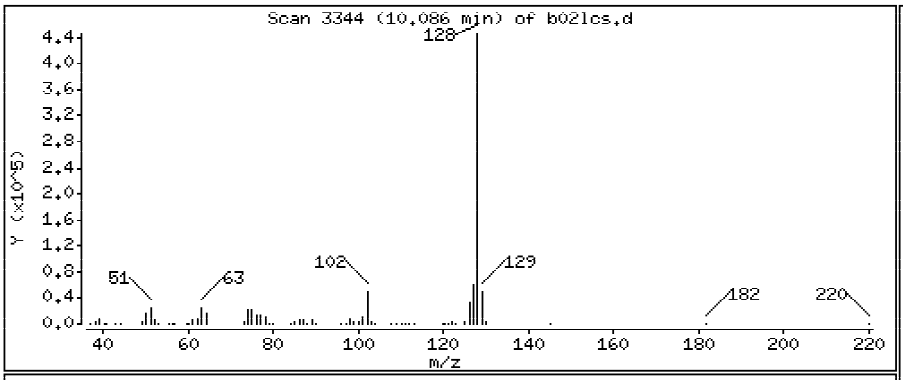
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

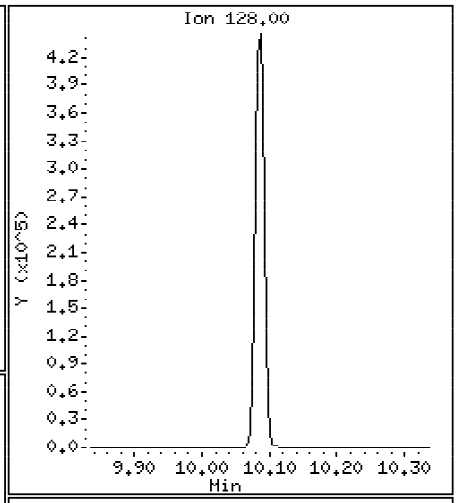
Sample Info: 1088990,65557:5

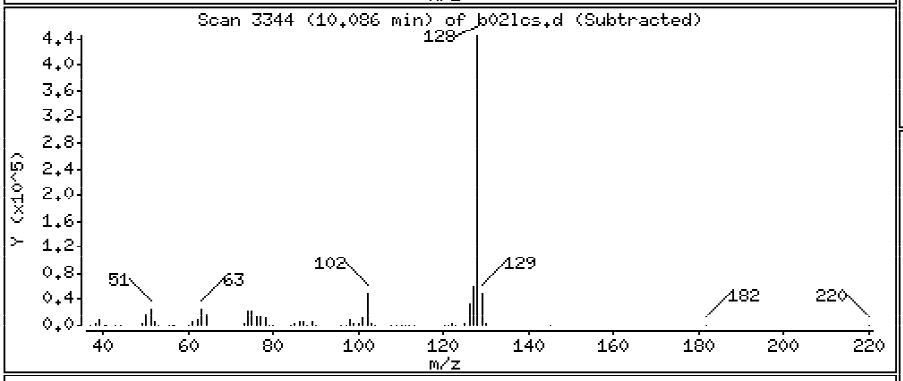
Purge Volume: 5.0 Operator: dae

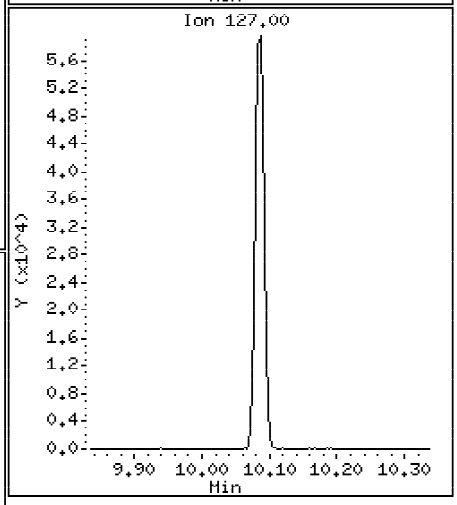
Column phase: DB-624 Column diameter: 0.18

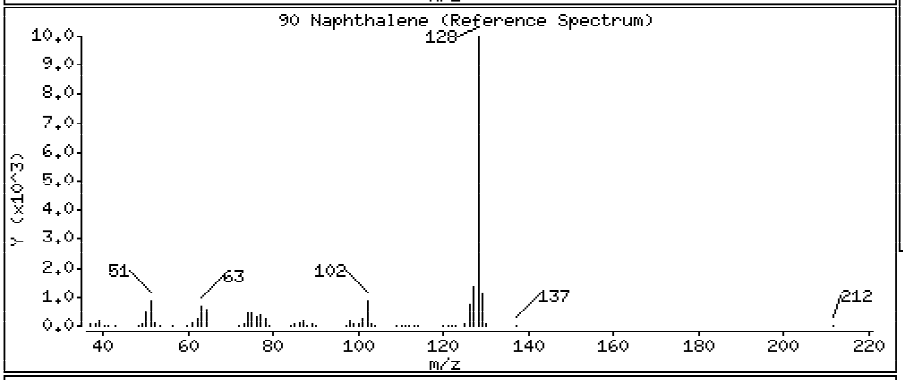
90 Naphthalene Concentration: 45.2 ppb

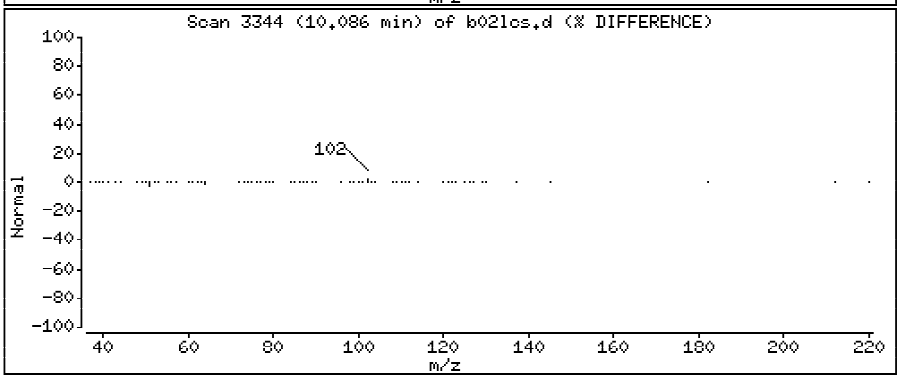












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 94

Date : 06-MAY-2014 12:21

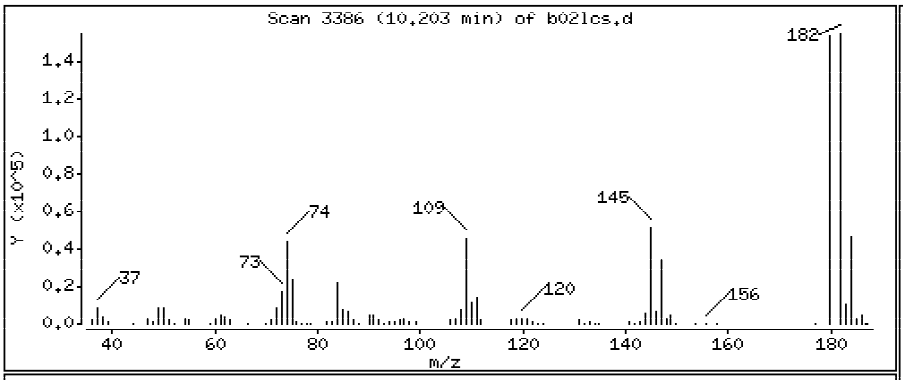
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

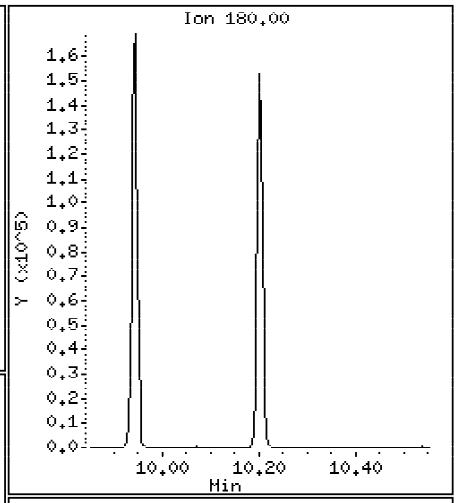
Sample Info: 1088990,65557:5

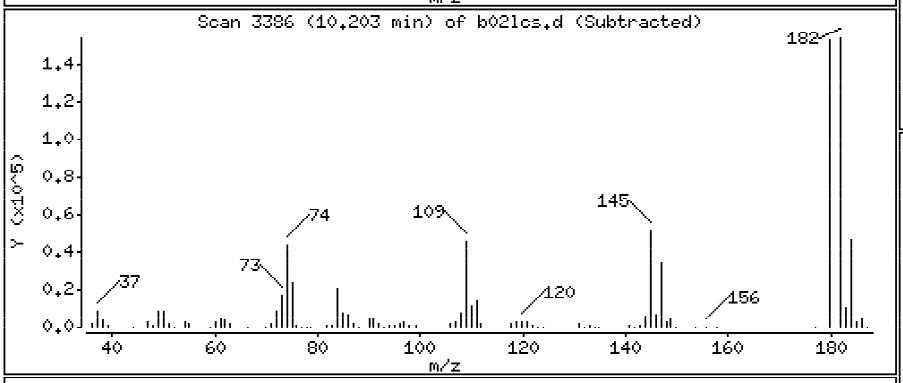
Purge Volume: 5.0 Operator: dae

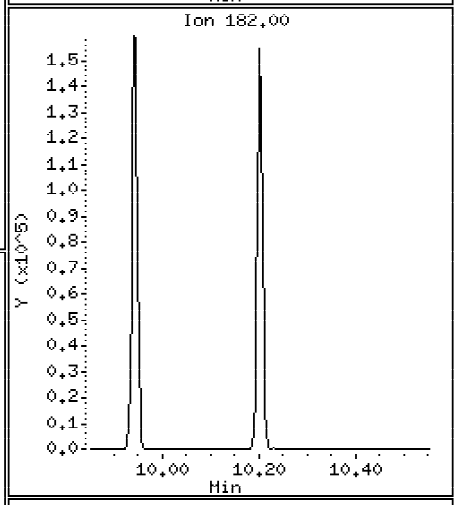
Column phase: DB-624 Column diameter: 0.18

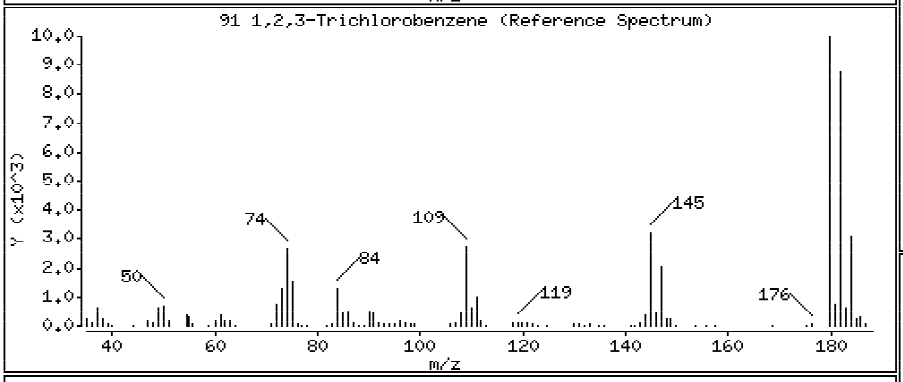
91 1,2,3-Trichlorobenzene Concentration: 48.0 ppb

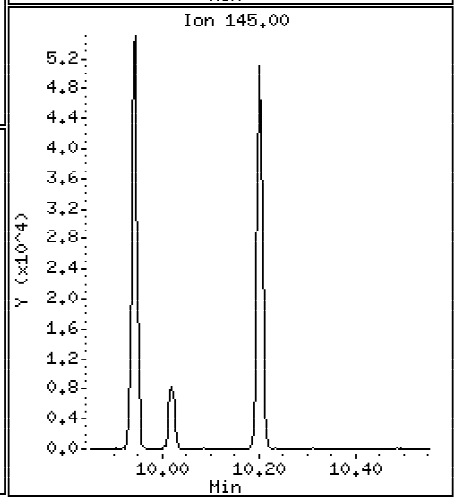


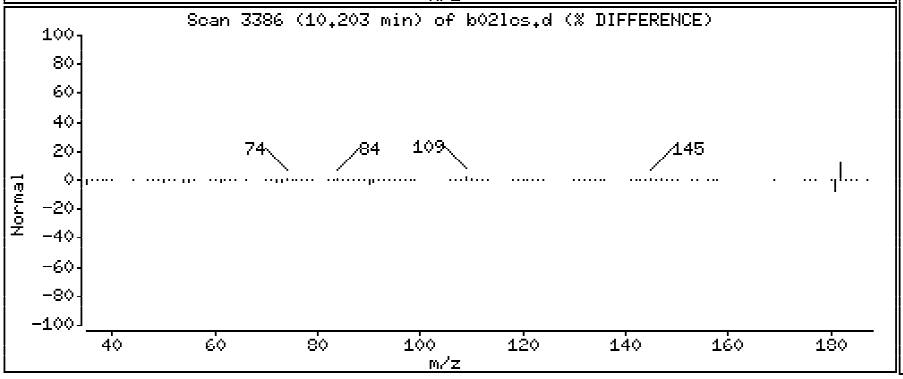












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 95

Date : 06-MAY-2014 12:21

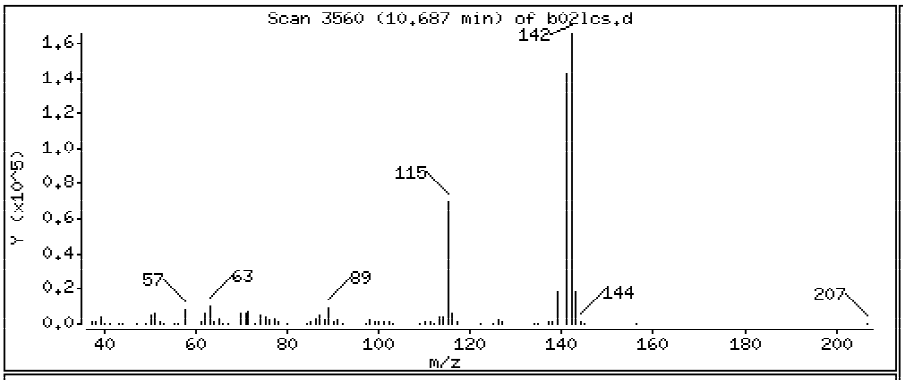
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

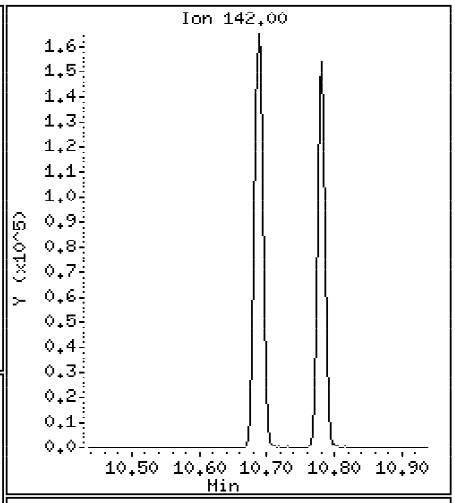
Sample Info: 1088990,65557:5

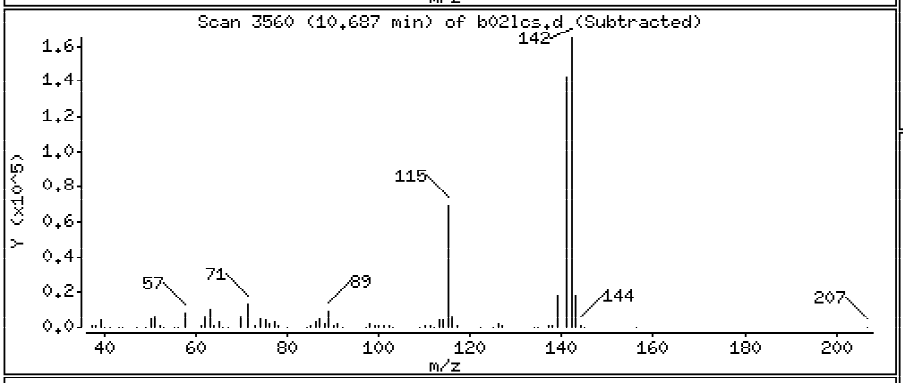
Purge Volume: 5.0 Operator: dae

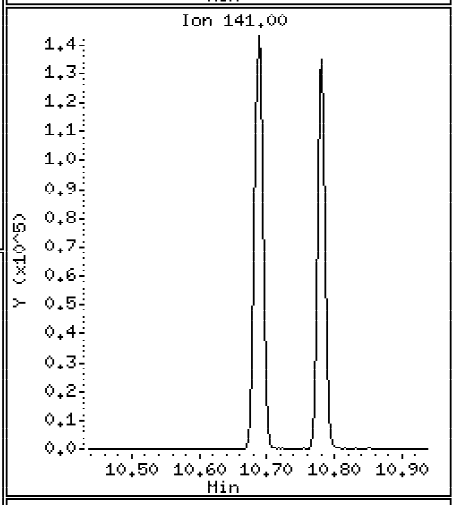
Column phase: DB-624 Column diameter: 0.18

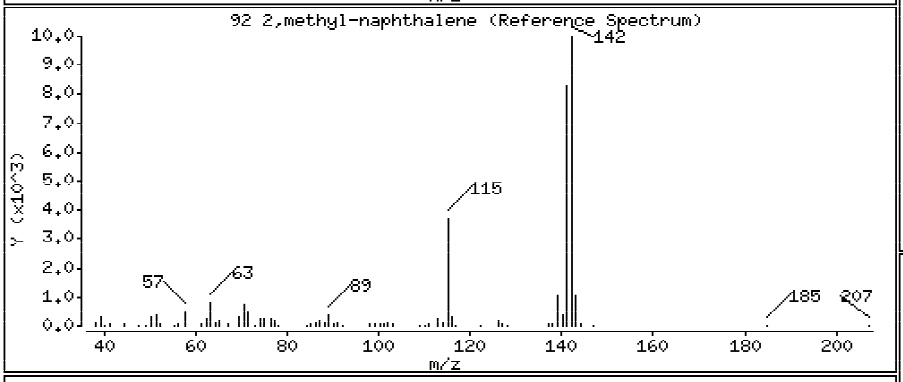
92 2,methyl-naphthalene Concentration: 40.8 ppb

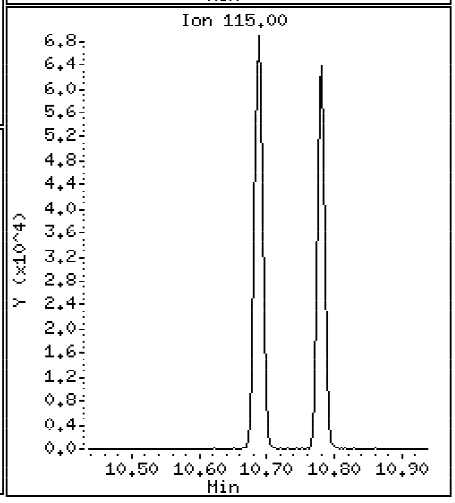


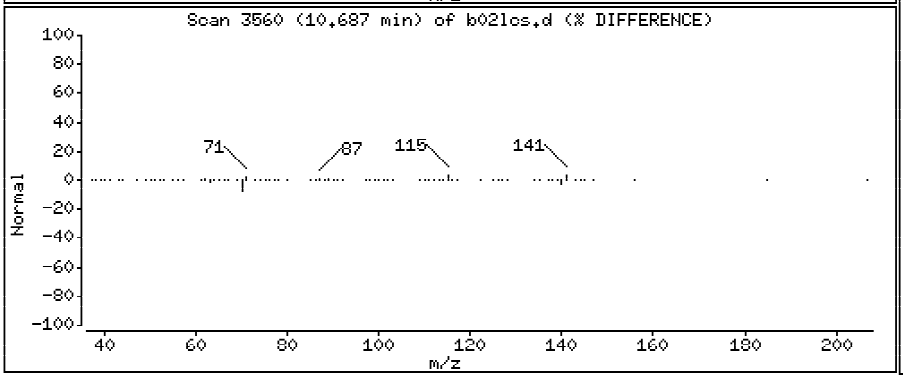












Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b\b02lcs.d Page 96

Date : 06-MAY-2014 12:21

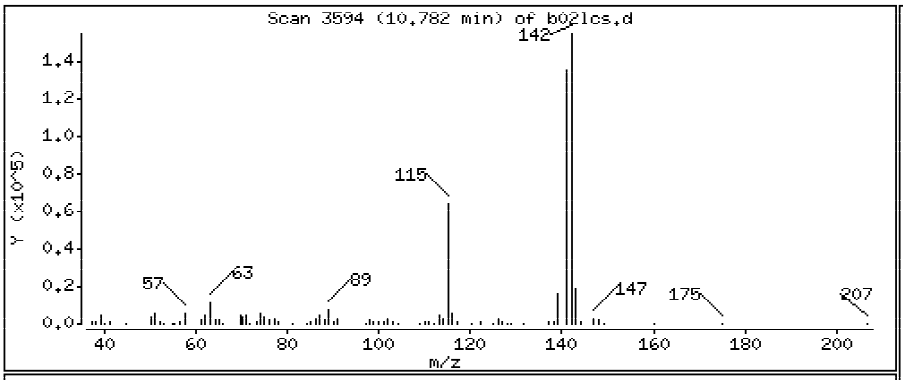
Client ID: 1088990,65557:5 Instrument: 50mv2b.i

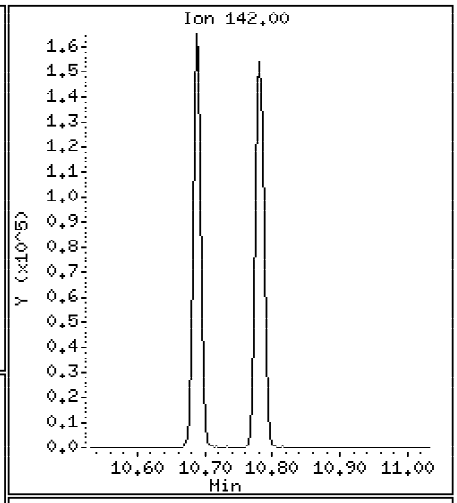
Sample Info: 1088990,65557:5

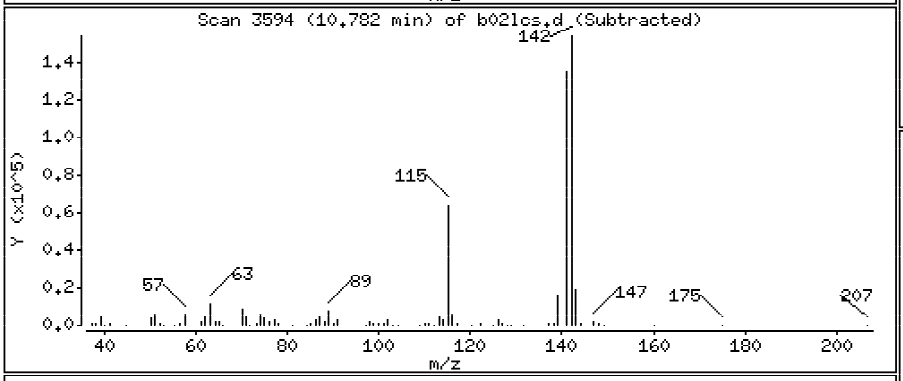
Purge Volume: 5.0 Operator: dae

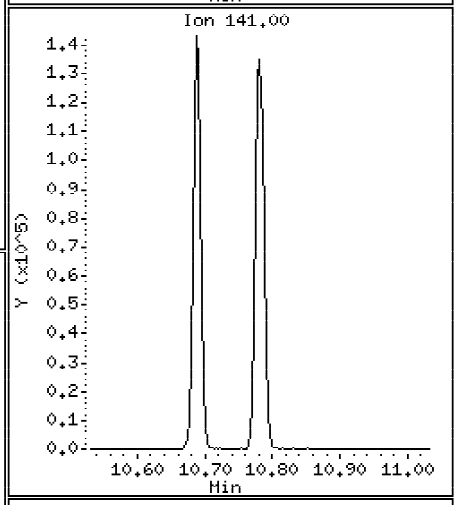
Column phase: DB-624 Column diameter: 0.18

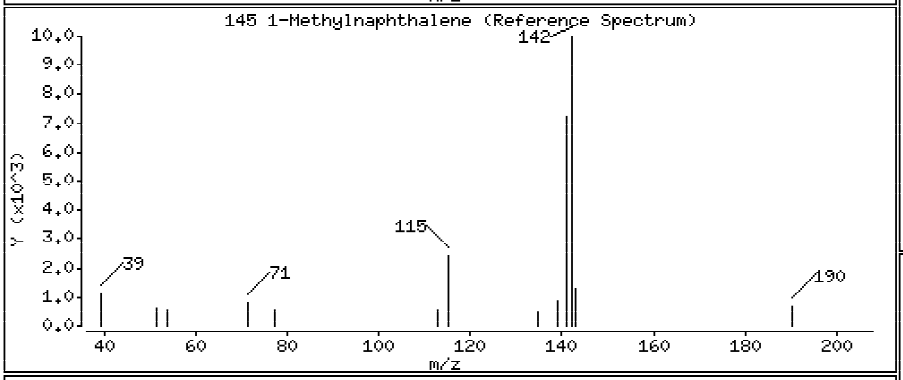
145 1-Methylnaphthalene Concentration: 41.9 ppb

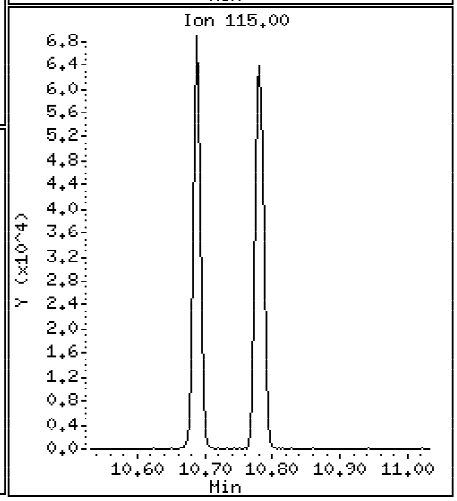


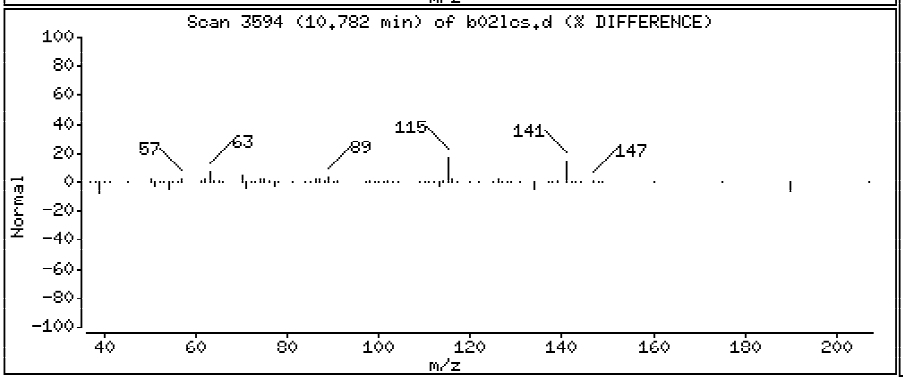








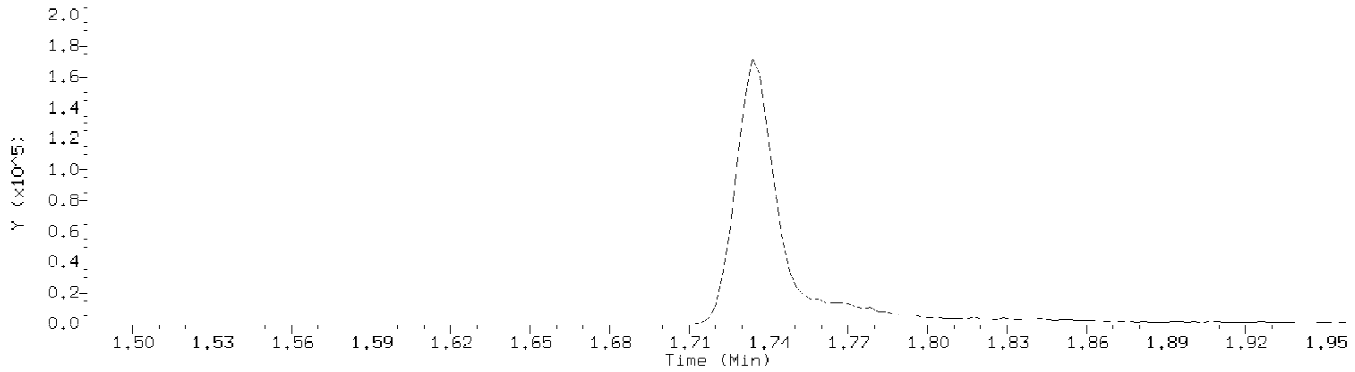




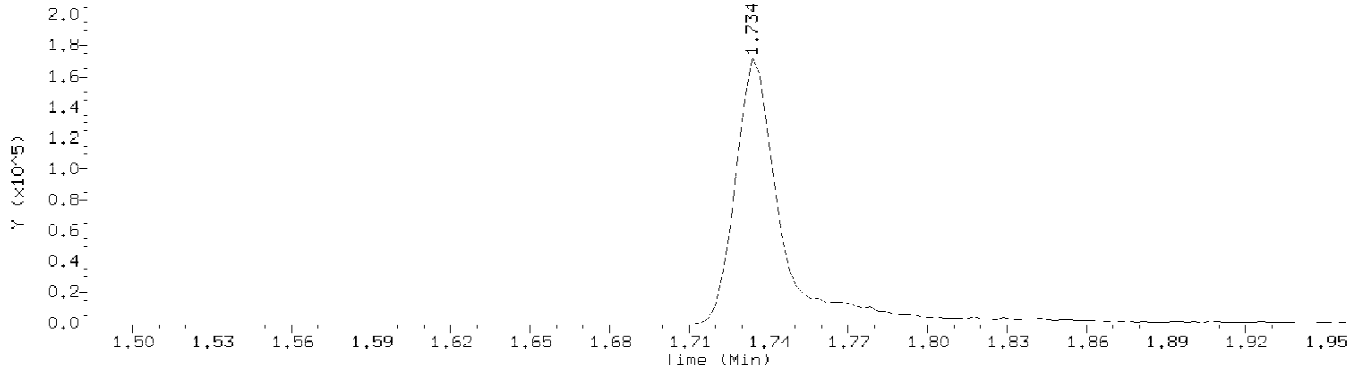
Data File: \\192.168.50.6\chem\50mv2b.i\b050614.b/b02lcs.d
Injection Date: 06-MAY-2014 12:21
Instrument: 50mv2b.i
Lab Sample ID: 1088990,65557:5

Compound: Iodomethane
CAS Number:

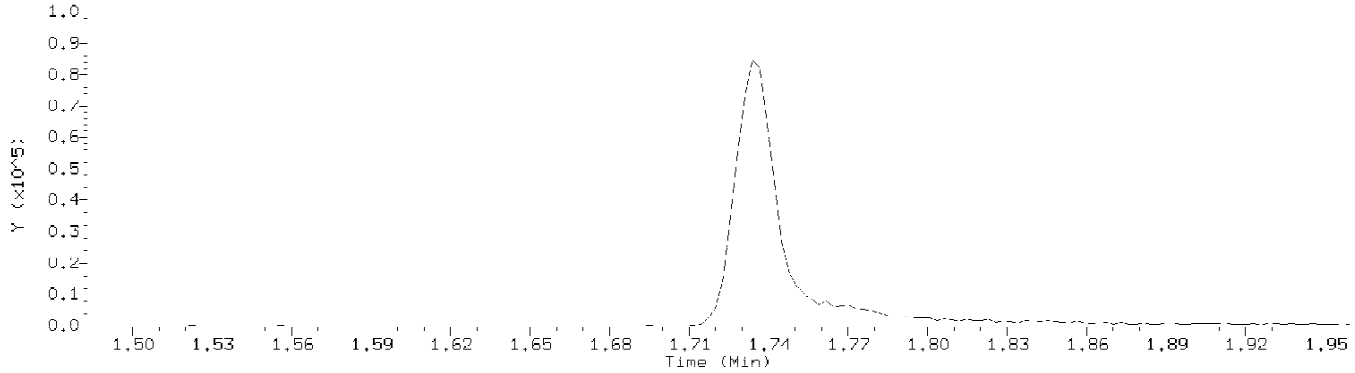
Original Ion: 142 Area: 0 Height: 0 (06-May-2014 13:07 DEngelhardt)



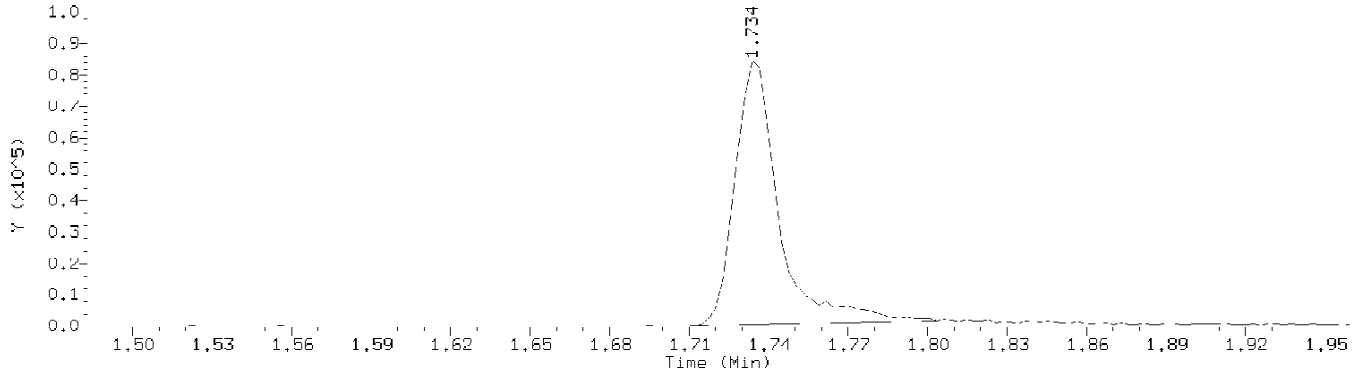
Manually Integrated Ion: 142 Area: 202488 Height: 172171 (07-May-2014 10:17 DEngelhardt)



Original Ion: 127 Area: 0 Height: 0 (06-May-2014 13:07 DEngelhardt)



Manually Integrated Ion: 127 Area: 97283 Height: 84077 (07-May-2014 10:17 DEngelhardt)



INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50mv2b.i
Column DB-624 20m X 0.18mm Helium Method:
Misc. Prep Info [L]: If pH = 0 , then analysis w/i 7 days of collection
ISTD lot: Surr. lot: 64605:5
Tune std: _____ Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	pH	Method/Sublist	Date	Time	Oper	Comments
1/b00bfb.d	8260-TUNE,64606:	L/64180	BFB	1	7	-bfb390/all	5/02/14	10:18	dae	
1/b01cal9.d	8260-CAL9,65547:	L/64180	CALIB_9	1	<2	-b8260_a_b/all	5/02/14	10:52	dae	
1/b02cal1.d	8260-CAL1,65548:	L/64180	CALIB_1	1	<2	-b8260_a_b/all	5/02/14	11:25	dae	
1/b03cal2.d	8260-CAL2,65549:	L/64180	CALIB_2	1	<2	-b8260_a_b/all	5/02/14	11:59	dae	
1/b03mqc1ppb.d	8260-MQC1ppb,655	L/64180	ICV	1	<2	-b8260_a_b/all	5/02/14	11:59	dae	
1/b04cal3.d	8260-CAL3,65550:	L/64180	CALIB_3	1	<2	-b8260_a_b/all	5/02/14	12:32	dae	
1/b05cal4.d	8260-CAL4,65551:	L/64180	CALIB_4	1	<2	-b8260_a_b/all	5/02/14	13:06	dae	
1/b05mqc5ppb.d	8260-MQC5ppb,655	L/64180	ICV	1	<2	-b8260_a_b/all	5/02/14	13:06	dae	
1/b06cal5.d	8260-CAL5,65552:	L/64180	CALIB_5	1	<2	-b8260_a_b/all	5/02/14	13:39	dae	
1/b07cal6.d	8260-CAL6,65553:	L/64180	CALIB_6	1	<2	-b8260_a_b/all	5/02/14	14:13	dae	
1/b07ccv.d	8260-CCV,65545:0	L/64180	CCALIB_6	1	7	-b8260_a_b/all	5/02/14	14:13	dae	CALLecos cerr pass F/L
1/b08cal7.d	8260-CAL7,65554:	L/64180	CALIB_7	1	<2	-b8260_a_b/all	5/02/14	14:46	dae	
1/b09cal8.d	8260-CAL8,65555:	L/64180	CALIB_8	1	<2	-b8260_a_b/all	5/02/14	15:20	dae	
1/b10.d	rinse	L/	SAMPLE	1	<2	-b8260_a_b/all	5/02/14	15:54	dae	
1/b11icv.d	8260-ICV,65556:0	L/64180	ICV	1	<2	-b8260_a_b/all	5/02/14	16:27	dae	
1/b11lcs.d	1086981,65556:0	L/64231	LCS	1	7	-b8260_a_b/all	5/02/14	16:27	dae	ICV as LCS
1/b11lcsx.d	1087518,65557:0	L/64266	LCS	1	7	-b8260_a_b/all	5/02/14	16:27	dae	
1/b12.d	rinse	L/	SAMPLE	1	<2	-b8260_a_b/all	5/02/14	17:01	dae	
1/b13mb.d	1086980	L/64231	BLANK	1	7	-b8260_a_b/all	5/02/14	17:34	dae	
1/b13mbx.d	1087517	L/64266	BLANK	1	7	-b8260_a_b/all	5/02/14	17:34	dae	
1/b14.d	5096488001	L/64231	SAMPLE	1	<2	-b8260_a_b/all	5/02/14	18:08	dae	
1/b15.d	5096488002	L/64231	SAMPLE	1	<2	-b8260_a_b/all	5/02/14	18:41	dae	
1/b16.d	5096772004	L/64266	SAMPLE	1	<2	-b8260_a_b/all	5/02/14	19:15	dae	
1/b17.d	5096772003	L/64266	SAMPLE	1	<2	-b8260_a_b/all	5/02/14	19:48	dae	
1/b18.d	5096772001	L/64266	SAMPLE	1	<2	-b8260_a_b/all	5/02/14	20:22	dae	
1/b19.d	5096772002	L/64266	SAMPLE	1	<2	-b8260_a_b/all	5/02/14	20:55	dae	
1/b20.d	1087519,65557:5	L/64266	MS	1	<2	-b8260_a_b/all	5/02/14	21:29	dae	
1/b21.d	1087520,65557:5	L/64266	MSD	1	<2	-b8260_a_b/all	5/02/14	22:02	dae	
1/d00bfb.d	8260-TUNE,64606:	L/64180	BFB	1	7	-bfb390/all	5/02/14	22:36	dae	
1/d01ccv.d	8260-CCV,65545:0	L/64180	CCALIB_6	1	7	-b8260_a_b/all	5/02/14	23:10	dae	Organ. F/L
1/d02lcs.d	1087011,65557:5,	L/64243	LCS	1	7	-b8260_a_b/ust	5/02/14	23:43	dae	
1/d03.d	rinse	L/	SAMPLE	1	<2	-b8260_a_b/all	5/03/14	00:17	dae	
1/d04mb.d	1087010,ust	L/64243	BLANK	1	7	-b8260_a_b/ust	5/03/14	00:50	dae	
1/d05.d	5096770001,ust	L/64243	SAMPLE	1	<2	-b8260_a_b/ust	5/03/14	01:24	dae	

Comments: All water samples have a pH below 2 unless otherwise noted.

File Path 1: \\192.168.50.6\chem\50mv2b.i\b050214cal.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 12:01 05/05/2014

5-5-14

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50mv2b.i
Column DB-624 20m X 0.18mm Helium Method:
Misc. Prep Info [L]: If pH = 0 , then analysis w/i 7 days of collection
ISTD lot: Surr. lot: 64605:5
Tune std: _____ Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	pH	Method/Sublist	Date	Time	Oper	Comments
1/d06.d	5096770002,ust	L/64243	SAMPLE	1	<2	-b8260_a_b/ust	5/03/14	01:58	dae	
1/d07.d	5096770003,ust	L/64243	SAMPLE	1	<2	-b8260_a_b/ust	5/03/14	02:32	dae	
1/d08.d	5096770003x10,us	L/64243	SAMPLE	10	<2	-b8260_a_b/ust	5/03/14	03:05	dae	
1/d09.d	5096770004,ust	L/64243	SAMPLE	1	<2	-b8260_a_b/ust	5/03/14	03:39	dae	
1/d10.d	5096770005,ust	L/64243	SAMPLE	1	<2	-b8260_a_b/ust	5/03/14	04:13	dae	
1/d11.d	5096770006,ust	L/64243	SAMPLE	1	<2	-b8260_a_b/ust	5/03/14	04:46	dae	
1/d12.d	1087012,ust	L/64243	FIELDDUP	1	<2	-b8260_a_b/ust	5/03/14	05:20	dae	
1/d13.d	5096770007,ust	L/64243	SAMPLE	1	<2	-b8260_a_b/ust	5/03/14	05:54	dae	
1/d14.d	1087013,65557:5	L/64243	MS	1	<2	-b8260_a_b/ust	5/03/14	06:28	dae	
1/d15.d	5096770011,ust	L/64243	SAMPLE	1	<2	b8260_a_b/ust	5/03/14	07:01	dae	
1/d16.d	5096770011x10,us	L/64243	SAMPLE	10	<2	-b8260 a b/ust	5/03/14	07:35	dae	
1/d17.d	5096770010,ust	L/64243	SAMPLE	1	<2	-b8260_a_b/ust	5/03/14	08:09	dae	MCLDx3,E↑
1/d18.d	5096770012,ust	L/64243	SAMPLE	1	<2	-b8260_a_b/ust	5/03/14	08:42	dae	
1/d19.d	5096770012x10,us	L/64243	SAMPLE	10	<2	-b8260_a_b/ust	5/03/14	09:16	dae	
1/d20.d	5096770008,ust	L/64243	SAMPLE	1	<2	-b8260_a_b/ust	5/03/14	09:50	dae	
1/d21.d	5096770009,ust	L/64243	SAMPLE	1	<2	-b8260_a_b/ust	5/03/14	10:23	dae	

Comments: All water samples have a pH below 2 unless otherwise noted.

File Path 1: \\192.168.50.6\chem\50mv2b.i\b050214cal.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 12:01 05/05/2014 Page: 2

DK 5-5-14

INSTRUMENT RUN
Pace Analytical Services, Inc.

Instrument: 50mv2b.i
Column DB-624 20m X 0.18mm Helium Method:
Misc. Prep Info [L]: If pH = 0 , then analysis w/i 7 days of collection
ISTD lot: Surr. lot: 64605:5
Tune std: _____ Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	pH	Method/Sublist	Date	Time	Oper	Comments
1/b00bfb.d	8260-TUNE,64606:	L/64180	BFB	1	7	-bfb390/all	5/06/14	11:14	dae	
1/b01ccv.d	8260-CCV,65545:0	L/64180	CCALIB_6	1	7	-b8260_a_b/all	5/06/14	11:48	dae	QC pass F/C
1/b02lcs.d	1088990,65557:5	L/64381	LCS	1	7	-b8260_a_b/all	5/06/14	12:21	dae	
1/b03.d	rinse	L/	SAMPLE	1	<2	-b8260_a_b/all	5/06/14	12:54	dae	
1/b04mb.d	1088989	L/64381	BLANK	1	7	-b8260_a_b/all	5/06/14	13:28	dae	
1/b05.d	5096786002x1.1	L/64355	SAMPLE	1.1	<2	-b8260_a_b/all	5/06/14	14:01	dae	
1/b06.d	5096676001	L/64381	SAMPLE	1	<2	-b8260_a_b/all	5/06/14	14:34	dae	
1/b07.d	5096676002	L/64381	SAMPLE	1	<2	-b8260_a_b/all	5/06/14	15:07	dae	
1/b08.d	5096636001	L/64381	SAMPLE	1	<2	-b8260_a_b/all	5/06/14	15:41	dae	
1/b09.d	5096636002	L/64381	SAMPLE	1	<2	-b8260_a_b/all	5/06/14	16:14	dae	
1/b10.d	5096608001	L/64381	SAMPLE	1	<2	-b8260_a_b/all	5/06/14	16:47	dae	10x rr on C1
1/b11.d	5096608002	L/64381	SAMPLE	1	<2	-b8260_a_b/all	5/06/14	17:20	dae	10x rr on 2nd time C-2
1/b12.d	5096608003	L/64381	SAMPLE	1	<2	-b8260_a_b/all	5/06/14	17:54	dae	
1/b13.d	5096608004	L/64381	SAMPLE	1	<2	-b8260_a_b/all	5/06/14	18:27	dae	
1/b14.d	5096608005	L/64381	SAMPLE	1	<2	-b8260_a_b/all	5/06/14	19:00	dae	
1/b15.d	5096608006	L/64381	SAMPLE	1	<2	-b8260_a_b/all	5/06/14	19:33	dae	
1/b16.d	5096680004	L/64381	SAMPLE	1	<2	-b8260_a_b/all	5/06/14	20:06	dae	
1/b17.d	5096756001	L/64381	SAMPLE	1	<2	-b8260_a_b/all	5/06/14	20:40	dae	
1/b18.d	1089142	L/64381	FIELDDUP	1	<2	-b8260_a_b/all	5/06/14	21:13	dae	
1/b19.d	5096756002	L/64381	SAMPLE	1	<2	-b8260_a_b/all	5/06/14	21:46	dae	
1/b20.d	5096756003	L/64381	SAMPLE	1	<2	-b8260_a_b/all	5/06/14	22:19	dae	
1/b21.d	1089143,65557:5	L/64381	MS	1	<2	-b8260_a_b/all	5/06/14	22:52	dae	
1/d00bfb.d	8260-TUNE,64606:	L/64180	BFB	1	7	-bfb390/all	5/06/14	23:26	dae	
1/d01ccv.d	8260-CCV,65545:0	L/64180	CCALIB_6	1	7	-b8260_a_b/all	5/06/14	23:59	dae	QC pass F/C
1/d02lcs.d	1089136,65557:5	L/64403	LCS	1	7	-b8260_a_b/all	5/07/14	00:32	dae	
1/d02lcsx.d	1089520,65557:5	L/64426	LCS	1	7	-b8260_a_b/all	5/07/14	00:32	dae	
1/d03.d	rinse	L/	SAMPLE	1	<2	-b8260_a_b/all	5/07/14	01:05	dae	
1/d04mb.d	1089135	L/64403	BLANK	1	7	-b8260_a_b/all	5/07/14	01:39	dae	
1/d04mbx.d	1089519	L/64426	BLANK	1	7	-b8260_a_b/all	5/07/14	01:39	dae	
1/d05.d	5096756004	L/64403	SAMPLE	1	<2	-b8260_a_b/all	5/07/14	02:12	dae	
1/d06.d	5096756005	L/64403	SAMPLE	1	<2	-b8260_a_b/all	5/07/14	02:45	dae	
1/d07.d	5096756006	L/64403	SAMPLE	1	<2	-b8260_a_b/all	5/07/14	03:18	dae	
1/d08.d	5096756007	L/64403	SAMPLE	1	<2	-b8260_a_b/all	5/07/14	03:51	dae	
1/d09.d	5096756007x20	L/64403	SAMPLE	20	<2	-b8260_a_b/all	5/07/14	04:25	dae	

Comments: All water samples have a pH below 2 unless otherwise noted.

File Path 1: \\192.168.50.6\chem\50mv2b.i\b050614.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 12:14 05/07/2014

5-7-14

Pace Analytical Services, Inc.

Instrument: 50mv2b.i
Column DB-624 20m X 0.18mm Helium Method:
Misc. Prep Info [L]: If pH = 0 , then analysis w/i 7 days of collection
ISTD lot: Surr. lot: 64605:5
Tune std: _____ Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	pH	Method/Sublist	Date	Time	Oper	Comments
1/d10.d	5096756008	L/64403	SAMPLE	1	<2	-b8260_a_b/all	5/07/14	04:58	dae	
1/d11.d	5096900002	L/64403	SAMPLE	1	<2	-b8260_a_b/all	5/07/14	05:32	dae	
1/d12.d	5096900003	L/64403	SAMPLE	1	<2	-b8260_a_b/all	5/07/14	06:05	dae	meOx raph ↑
1/d13.d	5096900004	L/64403	SAMPLE	1	<2	-b8260_a_b/all	5/07/14	06:38	dae	
1/d14.d	5096900005	L/64403	SAMPLE	1	<2	-b8260_a_b/all	5/07/14	07:12	dae	meOx raph ↑
1/d15.d	5096900006	L/64403	SAMPLE	1	<2	-b8260_a_b/all	5/07/14	07:45	dae	
1/d16.d	5097159001	L/64426	SAMPLE	1	<2	-b8260_a_b/ust	5/07/14	08:19	dae	
1/d17.d	5097159001x20	L/64426	SAMPLE	20	<2	-b8260_a_b/all	5/07/14	08:52	dae	
1/d18.d	5096900001	L/64403	SAMPLE	1	<2	-b8260_a_b/all	5/07/14	09:26	dae	
1/d19.d	1089137,65557:5	L/64403	MS	1	<2	-b8260_a_b/all	5/07/14	09:59	dae	
1/d20.d	1089138,65557:5	L/64403	MSD	1	<2	-b8260_a_b/all	5/07/14	10:32	dae	
1/d21.d	5096608002x10	L/64381	SAMPLE	10	<2	-b8260_a_b/all	5/07/14	11:06	dae	

Comments: All water samples have a pH below 2 unless otherwise noted.

File Path 1: \\192.168.50.6\chem\50mv2b.i\b050614.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 12:14 05/07/2014 Page: 2

DAE 5-7-14

Pace Analytical Services, Inc.
1233 Dublin Road
Columbus, OH 43215
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

June 24, 2014

Ms. Susan Scrocchi
Conestoga-Rovers and Associates
2055 Niagara Falls Blvd
Suite 2
Niagara Falls, NY 14304

RE: Project: E027039 / Allison Trans
Pace Project No.: 5098988

Dear Ms. Scrocchi:
Enclosed are the analytical results for sample(s) received by the laboratory on June 09, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kenneth Hunt for
Donna Spyker
donna.spyker@pacelabs.com
Project Manager

Enclosures

CERTIFICATIONS

Project: E027039 / Allison Trans
Pace Project No.: 5098988

Indiana Certification IDs
7726 Moller Road, Indianapolis, IN 46268
Illinois Certification #: 200074
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky UST Certification #: 0042
Louisiana/NELAP Certification #: 04076
Ohio VAP Certification #: CL-0065
West Virginia Certification #: 330

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: E027039 / Allison Trans
Pace Project No.: 5098988

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5098988001	**RW-0604-S3 (060914)**	Water	06/09/14 11:00	06/09/14 14:18
5098988002	**RW-0604-S2B (060914)**	Water	06/09/14 11:02	06/09/14 14:18
5098988003	**RW-0501-S3 (060914)**	Water	06/09/14 11:05	06/09/14 14:18
5098988004	**RW-0501-S2B (060914)**	Water	06/09/14 11:07	06/09/14 14:18
5098988005	**RW-0602-S3 (060914)**	Water	06/09/14 11:10	06/09/14 14:18
5098988006	**RW-0602-S2A/S2B (060914)**	Water	06/09/14 11:12	06/09/14 14:18
5098988007	**RW-0502-S2B (060914)**	Water	06/09/14 11:15	06/09/14 14:18
5098988008	**RW-0603-S3 (060914)**	Water	06/09/14 11:18	06/09/14 14:18
5098988009	**RW-1301-S2 (060914)**	Water	06/09/14 11:20	06/09/14 14:18
5098988010	**RW-0201-S2A (060914)**	Water	06/09/14 11:30	06/09/14 14:18
5098988011	**RW-0202-S2A (060914)**	Water	06/09/14 11:34	06/09/14 14:18
5098988012	**RW-0203-S2A (060914)**	Water	06/09/14 11:38	06/09/14 14:18
5098988013	**RW-0204-S2A/0205-S2A (060914)**	Water	06/09/14 11:41	06/09/14 14:18
5098988014	**RW-0605-S3 (060914)**	Water	06/09/14 11:45	06/09/14 14:18
5098988015	**Trip Blank**	Water	06/09/14 08:00	06/09/14 14:18

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SAMPLE ANALYTE COUNT

Project: E027039 / Allison Trans
Pace Project No.: 5098988

Lab ID	Sample ID	Method	Analysts	Analytes Reported
5098988001	RW-0604-S3 (060914)	EPA 8260	ALA	51
5098988002	RW-0604-S2B (060914)	EPA 8260	ALA	51
5098988003	RW-0501-S3 (060914)	EPA 8260	ALA	51
5098988004	RW-0501-S2B (060914)	EPA 8260	ALA	51
5098988005	RW-0602-S3 (060914)	EPA 8260	ALA	51
5098988006	RW-0602-S2A/S2B (060914)	EPA 8260	ALA	51
5098988007	RW-0502-S2B (060914)	EPA 8260	ALA	51
5098988008	RW-0603-S3 (060914)	EPA 8260	ALA	51
5098988009	RW-1301-S2 (060914)	EPA 8260	ALA	51
5098988010	RW-0201-S2A (060914)	EPA 8260	ALA	51
5098988011	RW-0202-S2A (060914)	EPA 8260	ALA	51
5098988012	RW-0203-S2A (060914)	EPA 8260	ALA	51
5098988013	RW-0204-S2A/0205-S2A (060914)	EPA 8260	ALA	51
5098988014	RW-0605-S3 (060914)	EPA 8260	ALA, AMV	51
5098988015	Trip Blank	EPA 8260	ALA	51

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5098988

Sample: RW-0604-S3 (060914) **Lab ID: 5098988001** Collected: 06/09/14 11:00 Received: 06/09/14 14:18 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		06/18/14 18:46	67-64-1	
Benzene	ND	ug/L	5.0	1		06/18/14 18:46	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		06/18/14 18:46	75-27-4	
Bromoform	ND	ug/L	5.0	1		06/18/14 18:46	75-25-2	
Bromomethane	ND	ug/L	5.0	1		06/18/14 18:46	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		06/18/14 18:46	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		06/18/14 18:46	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		06/18/14 18:46	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		06/18/14 18:46	108-90-7	
Chloroethane	ND	ug/L	5.0	1		06/18/14 18:46	75-00-3	
Chloroform	ND	ug/L	5.0	1		06/18/14 18:46	67-66-3	
Chloromethane	ND	ug/L	5.0	1		06/18/14 18:46	74-87-3	
Cyclohexane	ND	ug/L	100	1		06/18/14 18:46	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		06/18/14 18:46	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		06/18/14 18:46	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		06/18/14 18:46	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		06/18/14 18:46	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		06/18/14 18:46	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		06/18/14 18:46	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		06/18/14 18:46	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		06/18/14 18:46	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		06/18/14 18:46	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		06/18/14 18:46	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		06/18/14 18:46	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		06/18/14 18:46	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		06/18/14 18:46	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		06/18/14 18:46	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		06/18/14 18:46	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		06/18/14 18:46	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		06/18/14 18:46	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		06/18/14 18:46	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		06/18/14 18:46	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		06/18/14 18:46	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		06/18/14 18:46	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		06/18/14 18:46	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		06/18/14 18:46	1634-04-4	
Styrene	ND	ug/L	5.0	1		06/18/14 18:46	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		06/18/14 18:46	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		06/18/14 18:46	127-18-4	
Toluene	ND	ug/L	5.0	1		06/18/14 18:46	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		06/18/14 18:46	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		06/18/14 18:46	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		06/18/14 18:46	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		06/18/14 18:46	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		06/18/14 18:46	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		06/18/14 18:46	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		06/18/14 18:46	75-01-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5098988

Sample: RW-0604-S3 (060914) **Lab ID: 5098988001** Collected: 06/09/14 11:00 Received: 06/09/14 14:18 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		06/18/14 18:46	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	107	%.	79-116	1		06/18/14 18:46	1868-53-7	
4-Bromofluorobenzene (S)	97	%.	80-114	1		06/18/14 18:46	460-00-4	
Toluene-d8 (S)	100	%.	81-110	1		06/18/14 18:46	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5098988

Sample: RW-0604-S2B (060914) **Lab ID: 5098988002** Collected: 06/09/14 11:02 Received: 06/09/14 14:18 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		06/18/14 20:39	67-64-1	
Benzene	ND	ug/L	5.0	1		06/18/14 20:39	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		06/18/14 20:39	75-27-4	
Bromoform	ND	ug/L	5.0	1		06/18/14 20:39	75-25-2	
Bromomethane	ND	ug/L	5.0	1		06/18/14 20:39	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		06/18/14 20:39	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		06/18/14 20:39	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		06/18/14 20:39	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		06/18/14 20:39	108-90-7	
Chloroethane	ND	ug/L	5.0	1		06/18/14 20:39	75-00-3	
Chloroform	ND	ug/L	5.0	1		06/18/14 20:39	67-66-3	
Chloromethane	ND	ug/L	5.0	1		06/18/14 20:39	74-87-3	
Cyclohexane	ND	ug/L	100	1		06/18/14 20:39	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		06/18/14 20:39	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		06/18/14 20:39	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		06/18/14 20:39	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		06/18/14 20:39	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		06/18/14 20:39	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		06/18/14 20:39	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		06/18/14 20:39	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		06/18/14 20:39	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		06/18/14 20:39	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		06/18/14 20:39	75-35-4	
cis-1,2-Dichloroethene	**18.3**	ug/L	5.0	1		06/18/14 20:39	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		06/18/14 20:39	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		06/18/14 20:39	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		06/18/14 20:39	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		06/18/14 20:39	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		06/18/14 20:39	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		06/18/14 20:39	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		06/18/14 20:39	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		06/18/14 20:39	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		06/18/14 20:39	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		06/18/14 20:39	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		06/18/14 20:39	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		06/18/14 20:39	1634-04-4	
Styrene	ND	ug/L	5.0	1		06/18/14 20:39	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		06/18/14 20:39	79-34-5	
Tetrachloroethene	**77.0**	ug/L	5.0	1		06/18/14 20:39	127-18-4	
Toluene	ND	ug/L	5.0	1		06/18/14 20:39	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		06/18/14 20:39	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		06/18/14 20:39	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		06/18/14 20:39	79-00-5	
Trichloroethene	**30.7**	ug/L	5.0	1		06/18/14 20:39	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		06/18/14 20:39	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		06/18/14 20:39	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		06/18/14 20:39	75-01-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5098988

Sample: RW-0604-S2B (060914) **Lab ID: 5098988002** Collected: 06/09/14 11:02 Received: 06/09/14 14:18 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		06/18/14 20:39	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	105	%.	79-116	1		06/18/14 20:39	1868-53-7	
4-Bromofluorobenzene (S)	98	%.	80-114	1		06/18/14 20:39	460-00-4	
Toluene-d8 (S)	99	%.	81-110	1		06/18/14 20:39	2037-26-5	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5098988

Sample: RW-0501-S3 (060914) **Lab ID: 5098988003** Collected: 06/09/14 11:05 Received: 06/09/14 14:18 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		06/18/14 21:16	67-64-1	
Benzene	ND	ug/L	5.0	1		06/18/14 21:16	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		06/18/14 21:16	75-27-4	
Bromoform	ND	ug/L	5.0	1		06/18/14 21:16	75-25-2	
Bromomethane	ND	ug/L	5.0	1		06/18/14 21:16	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		06/18/14 21:16	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		06/18/14 21:16	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		06/18/14 21:16	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		06/18/14 21:16	108-90-7	
Chloroethane	ND	ug/L	5.0	1		06/18/14 21:16	75-00-3	
Chloroform	ND	ug/L	5.0	1		06/18/14 21:16	67-66-3	
Chloromethane	ND	ug/L	5.0	1		06/18/14 21:16	74-87-3	
Cyclohexane	ND	ug/L	100	1		06/18/14 21:16	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		06/18/14 21:16	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		06/18/14 21:16	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		06/18/14 21:16	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		06/18/14 21:16	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		06/18/14 21:16	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		06/18/14 21:16	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		06/18/14 21:16	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		06/18/14 21:16	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		06/18/14 21:16	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		06/18/14 21:16	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		06/18/14 21:16	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		06/18/14 21:16	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		06/18/14 21:16	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		06/18/14 21:16	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		06/18/14 21:16	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		06/18/14 21:16	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		06/18/14 21:16	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		06/18/14 21:16	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		06/18/14 21:16	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		06/18/14 21:16	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		06/18/14 21:16	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		06/18/14 21:16	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		06/18/14 21:16	1634-04-4	
Styrene	ND	ug/L	5.0	1		06/18/14 21:16	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		06/18/14 21:16	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		06/18/14 21:16	127-18-4	
Toluene	ND	ug/L	5.0	1		06/18/14 21:16	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		06/18/14 21:16	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		06/18/14 21:16	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		06/18/14 21:16	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		06/18/14 21:16	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		06/18/14 21:16	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		06/18/14 21:16	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		06/18/14 21:16	75-01-4	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5098988

Sample: RW-0501-S3 (060914) **Lab ID: 5098988003** Collected: 06/09/14 11:05 Received: 06/09/14 14:18 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		06/18/14 21:16	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	107	%.	79-116	1		06/18/14 21:16	1868-53-7	
4-Bromofluorobenzene (S)	98	%.	80-114	1		06/18/14 21:16	460-00-4	
Toluene-d8 (S)	99	%.	81-110	1		06/18/14 21:16	2037-26-5	

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Indianapolis, IN 46268
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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5098988

Sample: RW-0501-S2B (060914) **Lab ID: 5098988004** Collected: 06/09/14 11:07 Received: 06/09/14 14:18 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		06/19/14 07:16	67-64-1	
Benzene	ND	ug/L	5.0	1		06/19/14 07:16	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		06/19/14 07:16	75-27-4	
Bromoform	ND	ug/L	5.0	1		06/19/14 07:16	75-25-2	
Bromomethane	ND	ug/L	5.0	1		06/19/14 07:16	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		06/19/14 07:16	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		06/19/14 07:16	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		06/19/14 07:16	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		06/19/14 07:16	108-90-7	
Chloroethane	ND	ug/L	5.0	1		06/19/14 07:16	75-00-3	
Chloroform	ND	ug/L	5.0	1		06/19/14 07:16	67-66-3	
Chloromethane	ND	ug/L	5.0	1		06/19/14 07:16	74-87-3	
Cyclohexane	ND	ug/L	100	1		06/19/14 07:16	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		06/19/14 07:16	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		06/19/14 07:16	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		06/19/14 07:16	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		06/19/14 07:16	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		06/19/14 07:16	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		06/19/14 07:16	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		06/19/14 07:16	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		06/19/14 07:16	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		06/19/14 07:16	107-06-2	
1,1-Dichloroethene	**2.6J**	ug/L	5.0	1		06/19/14 07:16	75-35-4	
cis-1,2-Dichloroethene	**122**	ug/L	5.0	1		06/19/14 07:16	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		06/19/14 07:16	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		06/19/14 07:16	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		06/19/14 07:16	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		06/19/14 07:16	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		06/19/14 07:16	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		06/19/14 07:16	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		06/19/14 07:16	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		06/19/14 07:16	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		06/19/14 07:16	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		06/19/14 07:16	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		06/19/14 07:16	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		06/19/14 07:16	1634-04-4	
Styrene	ND	ug/L	5.0	1		06/19/14 07:16	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		06/19/14 07:16	79-34-5	
Tetrachloroethene	**2450**	ug/L	50.0	10		06/19/14 15:38	127-18-4	
Toluene	ND	ug/L	5.0	1		06/19/14 07:16	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		06/19/14 07:16	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		06/19/14 07:16	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		06/19/14 07:16	79-00-5	
Trichloroethene	**273**	ug/L	5.0	1		06/19/14 07:16	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		06/19/14 07:16	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		06/19/14 07:16	76-13-1	
Vinyl chloride	**22.9**	ug/L	2.0	1		06/19/14 07:16	75-01-4	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5098988

Sample: RW-0501-S2B (060914) **Lab ID: 5098988004** Collected: 06/09/14 11:07 Received: 06/09/14 14:18 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		06/19/14 07:16	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	96	%.	79-116	1		06/19/14 07:16	1868-53-7	
4-Bromofluorobenzene (S)	97	%.	80-114	1		06/19/14 07:16	460-00-4	
Toluene-d8 (S)	103	%.	81-110	1		06/19/14 07:16	2037-26-5	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5098988

Sample: RW-0602-S3 (060914) **Lab ID: 5098988005** Collected: 06/09/14 11:10 Received: 06/09/14 14:18 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		06/19/14 07:53	67-64-1	
Benzene	ND	ug/L	5.0	1		06/19/14 07:53	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		06/19/14 07:53	75-27-4	
Bromoform	ND	ug/L	5.0	1		06/19/14 07:53	75-25-2	
Bromomethane	ND	ug/L	5.0	1		06/19/14 07:53	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		06/19/14 07:53	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		06/19/14 07:53	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		06/19/14 07:53	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		06/19/14 07:53	108-90-7	
Chloroethane	ND	ug/L	5.0	1		06/19/14 07:53	75-00-3	
Chloroform	ND	ug/L	5.0	1		06/19/14 07:53	67-66-3	
Chloromethane	ND	ug/L	5.0	1		06/19/14 07:53	74-87-3	
Cyclohexane	ND	ug/L	100	1		06/19/14 07:53	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		06/19/14 07:53	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		06/19/14 07:53	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		06/19/14 07:53	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		06/19/14 07:53	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		06/19/14 07:53	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		06/19/14 07:53	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		06/19/14 07:53	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		06/19/14 07:53	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		06/19/14 07:53	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		06/19/14 07:53	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		06/19/14 07:53	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		06/19/14 07:53	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		06/19/14 07:53	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		06/19/14 07:53	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		06/19/14 07:53	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		06/19/14 07:53	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		06/19/14 07:53	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		06/19/14 07:53	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		06/19/14 07:53	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		06/19/14 07:53	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		06/19/14 07:53	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		06/19/14 07:53	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		06/19/14 07:53	1634-04-4	
Styrene	ND	ug/L	5.0	1		06/19/14 07:53	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		06/19/14 07:53	79-34-5	
Tetrachloroethene	**1.6J**	ug/L	5.0	1		06/19/14 07:53	127-18-4	
Toluene	ND	ug/L	5.0	1		06/19/14 07:53	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		06/19/14 07:53	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		06/19/14 07:53	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		06/19/14 07:53	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		06/19/14 07:53	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		06/19/14 07:53	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		06/19/14 07:53	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		06/19/14 07:53	75-01-4	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5098988

Sample: RW-0602-S3 (060914) **Lab ID: 5098988005** Collected: 06/09/14 11:10 Received: 06/09/14 14:18 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		06/19/14 07:53	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	109	%.	79-116	1		06/19/14 07:53	1868-53-7	
4-Bromofluorobenzene (S)	98	%.	80-114	1		06/19/14 07:53	460-00-4	
Toluene-d8 (S)	99	%.	81-110	1		06/19/14 07:53	2037-26-5	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5098988

Sample: RW-0602-S2A/S2B (060914) **Lab ID: 5098988006** Collected: 06/09/14 11:12 Received: 06/09/14 14:18 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		06/19/14 08:30	67-64-1	
Benzene	ND	ug/L	5.0	1		06/19/14 08:30	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		06/19/14 08:30	75-27-4	
Bromoform	ND	ug/L	5.0	1		06/19/14 08:30	75-25-2	
Bromomethane	ND	ug/L	5.0	1		06/19/14 08:30	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		06/19/14 08:30	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		06/19/14 08:30	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		06/19/14 08:30	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		06/19/14 08:30	108-90-7	
Chloroethane	ND	ug/L	5.0	1		06/19/14 08:30	75-00-3	
Chloroform	ND	ug/L	5.0	1		06/19/14 08:30	67-66-3	
Chloromethane	ND	ug/L	5.0	1		06/19/14 08:30	74-87-3	
Cyclohexane	ND	ug/L	100	1		06/19/14 08:30	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		06/19/14 08:30	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		06/19/14 08:30	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		06/19/14 08:30	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		06/19/14 08:30	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		06/19/14 08:30	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		06/19/14 08:30	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		06/19/14 08:30	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		06/19/14 08:30	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		06/19/14 08:30	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		06/19/14 08:30	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		06/19/14 08:30	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		06/19/14 08:30	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		06/19/14 08:30	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		06/19/14 08:30	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		06/19/14 08:30	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		06/19/14 08:30	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		06/19/14 08:30	591-78-6	
Isopropylbenzene (Cumene)	**2.7J**	ug/L	5.0	1		06/19/14 08:30	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		06/19/14 08:30	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		06/19/14 08:30	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		06/19/14 08:30	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		06/19/14 08:30	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		06/19/14 08:30	1634-04-4	
Styrene	ND	ug/L	5.0	1		06/19/14 08:30	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		06/19/14 08:30	79-34-5	
Tetrachloroethene	**6.0**	ug/L	5.0	1		06/19/14 08:30	127-18-4	
Toluene	ND	ug/L	5.0	1		06/19/14 08:30	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		06/19/14 08:30	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		06/19/14 08:30	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		06/19/14 08:30	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		06/19/14 08:30	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		06/19/14 08:30	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		06/19/14 08:30	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		06/19/14 08:30	75-01-4	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5098988

Sample: RW-0602-S2A/S2B (060914) **Lab ID: 5098988006** Collected: 06/09/14 11:12 Received: 06/09/14 14:18 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		06/19/14 08:30	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	107	%.	79-116	1		06/19/14 08:30	1868-53-7	
4-Bromofluorobenzene (S)	98	%.	80-114	1		06/19/14 08:30	460-00-4	
Toluene-d8 (S)	99	%.	81-110	1		06/19/14 08:30	2037-26-5	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5098988

Sample: RW-0502-S2B (060914) **Lab ID: 5098988007** Collected: 06/09/14 11:15 Received: 06/09/14 14:18 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		06/19/14 09:08	67-64-1	
Benzene	ND	ug/L	5.0	1		06/19/14 09:08	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		06/19/14 09:08	75-27-4	
Bromoform	ND	ug/L	5.0	1		06/19/14 09:08	75-25-2	
Bromomethane	ND	ug/L	5.0	1		06/19/14 09:08	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		06/19/14 09:08	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		06/19/14 09:08	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		06/19/14 09:08	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		06/19/14 09:08	108-90-7	
Chloroethane	ND	ug/L	5.0	1		06/19/14 09:08	75-00-3	
Chloroform	ND	ug/L	5.0	1		06/19/14 09:08	67-66-3	
Chloromethane	ND	ug/L	5.0	1		06/19/14 09:08	74-87-3	
Cyclohexane	ND	ug/L	100	1		06/19/14 09:08	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		06/19/14 09:08	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		06/19/14 09:08	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		06/19/14 09:08	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		06/19/14 09:08	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		06/19/14 09:08	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		06/19/14 09:08	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		06/19/14 09:08	75-71-8	
1,1-Dichloroethane	**5.1**	ug/L	5.0	1		06/19/14 09:08	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		06/19/14 09:08	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		06/19/14 09:08	75-35-4	
cis-1,2-Dichloroethene	**39.7**	ug/L	5.0	1		06/19/14 09:08	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		06/19/14 09:08	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		06/19/14 09:08	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		06/19/14 09:08	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		06/19/14 09:08	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		06/19/14 09:08	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		06/19/14 09:08	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		06/19/14 09:08	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		06/19/14 09:08	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		06/19/14 09:08	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		06/19/14 09:08	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		06/19/14 09:08	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		06/19/14 09:08	1634-04-4	
Styrene	ND	ug/L	5.0	1		06/19/14 09:08	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		06/19/14 09:08	79-34-5	
Tetrachloroethene	**14.7**	ug/L	5.0	1		06/19/14 09:08	127-18-4	
Toluene	ND	ug/L	5.0	1		06/19/14 09:08	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		06/19/14 09:08	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		06/19/14 09:08	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		06/19/14 09:08	79-00-5	
Trichloroethene	**23.2**	ug/L	5.0	1		06/19/14 09:08	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		06/19/14 09:08	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		06/19/14 09:08	76-13-1	
Vinyl chloride	**2.1**	ug/L	2.0	1		06/19/14 17:11	75-01-4	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5098988

Sample: RW-0502-S2B (060914) **Lab ID: 5098988007** Collected: 06/09/14 11:15 Received: 06/09/14 14:18 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		06/19/14 09:08	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	114	%.	79-116	1		06/19/14 09:08	1868-53-7	
4-Bromofluorobenzene (S)	97	%.	80-114	1		06/19/14 09:08	460-00-4	
Toluene-d8 (S)	98	%.	81-110	1		06/19/14 09:08	2037-26-5	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5098988

Sample: RW-0603-S3 (060914) **Lab ID: 5098988008** Collected: 06/09/14 11:18 Received: 06/09/14 14:18 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		06/19/14 17:49	67-64-1	
Benzene	ND	ug/L	5.0	1		06/19/14 17:49	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		06/19/14 17:49	75-27-4	
Bromoform	ND	ug/L	5.0	1		06/19/14 17:49	75-25-2	
Bromomethane	ND	ug/L	5.0	1		06/19/14 17:49	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		06/19/14 17:49	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		06/19/14 17:49	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		06/19/14 17:49	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		06/19/14 17:49	108-90-7	
Chloroethane	**18.8**	ug/L	5.0	1		06/19/14 17:49	75-00-3	CC
Chloroform	ND	ug/L	5.0	1		06/19/14 17:49	67-66-3	
Chloromethane	ND	ug/L	5.0	1		06/19/14 17:49	74-87-3	
Cyclohexane	ND	ug/L	100	1		06/19/14 17:49	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		06/19/14 17:49	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		06/19/14 17:49	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		06/19/14 17:49	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		06/19/14 17:49	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		06/19/14 17:49	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		06/19/14 17:49	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		06/19/14 17:49	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		06/19/14 17:49	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		06/19/14 17:49	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		06/19/14 17:49	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		06/19/14 17:49	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		06/19/14 17:49	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		06/19/14 17:49	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		06/19/14 17:49	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		06/19/14 17:49	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		06/19/14 17:49	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		06/19/14 17:49	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		06/19/14 17:49	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		06/19/14 17:49	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		06/19/14 17:49	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		06/19/14 17:49	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		06/19/14 17:49	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		06/19/14 17:49	1634-04-4	
Styrene	ND	ug/L	5.0	1		06/19/14 17:49	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		06/19/14 17:49	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		06/19/14 17:49	127-18-4	
Toluene	ND	ug/L	5.0	1		06/19/14 17:49	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		06/19/14 17:49	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		06/19/14 17:49	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		06/19/14 17:49	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		06/19/14 17:49	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		06/19/14 17:49	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		06/19/14 17:49	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		06/19/14 17:49	75-01-4	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5098988

Sample: RW-0603-S3 (060914) **Lab ID: 5098988008** Collected: 06/09/14 11:18 Received: 06/09/14 14:18 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		06/19/14 17:49	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	115	%.	79-116	1		06/19/14 17:49	1868-53-7	
4-Bromofluorobenzene (S)	102	%.	80-114	1		06/19/14 17:49	460-00-4	
Toluene-d8 (S)	96	%.	81-110	1		06/19/14 17:49	2037-26-5	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5098988

Sample: RW-1301-S2 (060914) **Lab ID: 5098988009** Collected: 06/09/14 11:20 Received: 06/09/14 14:18 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		06/19/14 06:19	67-64-1	
Benzene	ND	ug/L	5.0	1		06/19/14 06:19	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		06/19/14 06:19	75-27-4	
Bromoform	ND	ug/L	5.0	1		06/19/14 06:19	75-25-2	
Bromomethane	ND	ug/L	5.0	1		06/19/14 06:19	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		06/19/14 06:19	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		06/19/14 06:19	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		06/19/14 06:19	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		06/19/14 06:19	108-90-7	
Chloroethane	ND	ug/L	5.0	1		06/19/14 06:19	75-00-3	
Chloroform	ND	ug/L	5.0	1		06/19/14 06:19	67-66-3	
Chloromethane	ND	ug/L	5.0	1		06/19/14 06:19	74-87-3	
Cyclohexane	ND	ug/L	100	1		06/19/14 06:19	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		06/19/14 06:19	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		06/19/14 06:19	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		06/19/14 06:19	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		06/19/14 06:19	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		06/19/14 06:19	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		06/19/14 06:19	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		06/19/14 06:19	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		06/19/14 06:19	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		06/19/14 06:19	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		06/19/14 06:19	75-35-4	
cis-1,2-Dichloroethene	**5.2**	ug/L	5.0	1		06/19/14 06:19	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		06/19/14 06:19	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		06/19/14 06:19	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		06/19/14 06:19	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		06/19/14 06:19	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		06/19/14 06:19	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		06/19/14 06:19	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		06/19/14 06:19	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		06/19/14 06:19	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		06/19/14 06:19	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		06/19/14 06:19	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		06/19/14 06:19	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		06/19/14 06:19	1634-04-4	
Styrene	ND	ug/L	5.0	1		06/19/14 06:19	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		06/19/14 06:19	79-34-5	
Tetrachloroethene	**232**	ug/L	5.0	1		06/19/14 16:15	127-18-4	
Toluene	ND	ug/L	5.0	1		06/19/14 06:19	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		06/19/14 06:19	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		06/19/14 06:19	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		06/19/14 06:19	79-00-5	
Trichloroethene	**24.1**	ug/L	5.0	1		06/19/14 06:19	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		06/19/14 06:19	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		06/19/14 06:19	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		06/19/14 06:19	75-01-4	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5098988

Sample: RW-1301-S2 (060914) **Lab ID: 5098988009** Collected: 06/09/14 11:20 Received: 06/09/14 14:18 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		06/19/14 06:19	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	105	%.	79-116	1		06/19/14 06:19	1868-53-7	
4-Bromofluorobenzene (S)	102	%.	80-114	1		06/19/14 06:19	460-00-4	
Toluene-d8 (S)	97	%.	81-110	1		06/19/14 06:19	2037-26-5	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5098988

Sample: RW-0201-S2A (060914) **Lab ID: 5098988010** Collected: 06/09/14 11:30 Received: 06/09/14 14:18 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	1000	10		06/19/14 06:57	67-64-1	
Benzene	ND	ug/L	50.0	10		06/19/14 06:57	71-43-2	
Bromodichloromethane	ND	ug/L	50.0	10		06/19/14 06:57	75-27-4	
Bromoform	ND	ug/L	50.0	10		06/19/14 06:57	75-25-2	
Bromomethane	ND	ug/L	50.0	10		06/19/14 06:57	74-83-9	
2-Butanone (MEK)	ND	ug/L	250	10		06/19/14 06:57	78-93-3	
Carbon disulfide	ND	ug/L	100	10		06/19/14 06:57	75-15-0	
Carbon tetrachloride	ND	ug/L	50.0	10		06/19/14 06:57	56-23-5	
Chlorobenzene	ND	ug/L	50.0	10		06/19/14 06:57	108-90-7	
Chloroethane	ND	ug/L	50.0	10		06/19/14 06:57	75-00-3	
Chloroform	ND	ug/L	50.0	10		06/19/14 06:57	67-66-3	
Chloromethane	ND	ug/L	50.0	10		06/19/14 06:57	74-87-3	
Cyclohexane	ND	ug/L	1000	10		06/19/14 06:57	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	100	10		06/19/14 06:57	96-12-8	
Dibromochloromethane	ND	ug/L	50.0	10		06/19/14 06:57	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	50.0	10		06/19/14 06:57	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	50.0	10		06/19/14 06:57	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	50.0	10		06/19/14 06:57	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	50.0	10		06/19/14 06:57	106-46-7	
Dichlorodifluoromethane	ND	ug/L	50.0	10		06/19/14 06:57	75-71-8	
1,1-Dichloroethane	ND	ug/L	50.0	10		06/19/14 06:57	75-34-3	
1,2-Dichloroethane	ND	ug/L	50.0	10		06/19/14 06:57	107-06-2	
1,1-Dichloroethene	ND	ug/L	50.0	10		06/19/14 06:57	75-35-4	
cis-1,2-Dichloroethene	**282**	ug/L	50.0	10		06/19/14 06:57	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	50.0	10		06/19/14 06:57	156-60-5	
1,2-Dichloropropane	ND	ug/L	50.0	10		06/19/14 06:57	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	50.0	10		06/19/14 06:57	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	50.0	10		06/19/14 06:57	10061-02-6	
Ethylbenzene	ND	ug/L	50.0	10		06/19/14 06:57	100-41-4	
2-Hexanone	ND	ug/L	250	10		06/19/14 06:57	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	50.0	10		06/19/14 06:57	98-82-8	
Methyl acetate	ND	ug/L	500	10		06/19/14 06:57	79-20-9	N2
Methylcyclohexane	ND	ug/L	500	10		06/19/14 06:57	108-87-2	N2
Methylene Chloride	ND	ug/L	50.0	10		06/19/14 06:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	250	10		06/19/14 06:57	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	40.0	10		06/19/14 06:57	1634-04-4	
Styrene	ND	ug/L	50.0	10		06/19/14 06:57	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	50.0	10		06/19/14 06:57	79-34-5	
Tetrachloroethene	**36400**	ug/L	1000	200		06/19/14 16:53	127-18-4	
Toluene	ND	ug/L	50.0	10		06/19/14 06:57	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	50.0	10		06/19/14 06:57	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	50.0	10		06/19/14 06:57	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	50.0	10		06/19/14 06:57	79-00-5	
Trichloroethene	**1500**	ug/L	50.0	10		06/19/14 06:57	79-01-6	
Trichlorofluoromethane	ND	ug/L	50.0	10		06/19/14 06:57	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	50.0	10		06/19/14 06:57	76-13-1	
Vinyl chloride	ND	ug/L	20.0	10		06/19/14 06:57	75-01-4	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5098988

Sample: RW-0201-S2A (060914) **Lab ID: 5098988010** Collected: 06/09/14 11:30 Received: 06/09/14 14:18 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	100	10		06/19/14 06:57	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	90	%.	79-116	10		06/19/14 06:57	1868-53-7	D4
4-Bromofluorobenzene (S)	96	%.	80-114	10		06/19/14 06:57	460-00-4	
Toluene-d8 (S)	104	%.	81-110	10		06/19/14 06:57	2037-26-5	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5098988

Sample: RW-0202-S2A (060914) **Lab ID: 5098988011** Collected: 06/09/14 11:34 Received: 06/09/14 14:18 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	1000	10		06/19/14 08:12	67-64-1	
Benzene	ND	ug/L	50.0	10		06/19/14 08:12	71-43-2	
Bromodichloromethane	ND	ug/L	50.0	10		06/19/14 08:12	75-27-4	
Bromoform	ND	ug/L	50.0	10		06/19/14 08:12	75-25-2	
Bromomethane	ND	ug/L	50.0	10		06/19/14 08:12	74-83-9	
2-Butanone (MEK)	ND	ug/L	250	10		06/19/14 08:12	78-93-3	
Carbon disulfide	ND	ug/L	100	10		06/19/14 08:12	75-15-0	
Carbon tetrachloride	ND	ug/L	50.0	10		06/19/14 08:12	56-23-5	
Chlorobenzene	ND	ug/L	50.0	10		06/19/14 08:12	108-90-7	
Chloroethane	ND	ug/L	50.0	10		06/19/14 08:12	75-00-3	
Chloroform	ND	ug/L	50.0	10		06/19/14 08:12	67-66-3	
Chloromethane	ND	ug/L	50.0	10		06/19/14 08:12	74-87-3	
Cyclohexane	ND	ug/L	1000	10		06/19/14 08:12	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	100	10		06/19/14 08:12	96-12-8	
Dibromochloromethane	ND	ug/L	50.0	10		06/19/14 08:12	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	50.0	10		06/19/14 08:12	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	50.0	10		06/19/14 08:12	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	50.0	10		06/19/14 08:12	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	50.0	10		06/19/14 08:12	106-46-7	
Dichlorodifluoromethane	ND	ug/L	50.0	10		06/19/14 08:12	75-71-8	
1,1-Dichloroethane	ND	ug/L	50.0	10		06/19/14 08:12	75-34-3	
1,2-Dichloroethane	ND	ug/L	50.0	10		06/19/14 08:12	107-06-2	
1,1-Dichloroethene	ND	ug/L	50.0	10		06/19/14 08:12	75-35-4	
cis-1,2-Dichloroethene	**444**	ug/L	50.0	10		06/19/14 08:12	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	50.0	10		06/19/14 08:12	156-60-5	
1,2-Dichloropropane	ND	ug/L	50.0	10		06/19/14 08:12	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	50.0	10		06/19/14 08:12	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	50.0	10		06/19/14 08:12	10061-02-6	
Ethylbenzene	ND	ug/L	50.0	10		06/19/14 08:12	100-41-4	
2-Hexanone	ND	ug/L	250	10		06/19/14 08:12	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	50.0	10		06/19/14 08:12	98-82-8	
Methyl acetate	ND	ug/L	500	10		06/19/14 08:12	79-20-9	N2
Methylcyclohexane	ND	ug/L	500	10		06/19/14 08:12	108-87-2	N2
Methylene Chloride	ND	ug/L	50.0	10		06/19/14 08:12	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	250	10		06/19/14 08:12	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	40.0	10		06/19/14 08:12	1634-04-4	
Styrene	ND	ug/L	50.0	10		06/19/14 08:12	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	50.0	10		06/19/14 08:12	79-34-5	
Tetrachloroethene	**22000**	ug/L	1000	200		06/19/14 17:30	127-18-4	
Toluene	ND	ug/L	50.0	10		06/19/14 08:12	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	50.0	10		06/19/14 08:12	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	50.0	10		06/19/14 08:12	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	50.0	10		06/19/14 08:12	79-00-5	
Trichloroethene	**621**	ug/L	50.0	10		06/19/14 08:12	79-01-6	
Trichlorofluoromethane	ND	ug/L	50.0	10		06/19/14 08:12	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	50.0	10		06/19/14 08:12	76-13-1	
Vinyl chloride	ND	ug/L	20.0	10		06/19/14 08:12	75-01-4	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5098988

Sample: RW-0202-S2A (060914) **Lab ID: 5098988011** Collected: 06/09/14 11:34 Received: 06/09/14 14:18 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	100	10		06/19/14 08:12	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	94	%.	79-116	10		06/19/14 08:12	1868-53-7	D4
4-Bromofluorobenzene (S)	101	%.	80-114	10		06/19/14 08:12	460-00-4	
Toluene-d8 (S)	102	%.	81-110	10		06/19/14 08:12	2037-26-5	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5098988

Sample: RW-0203-S2A (060914) **Lab ID: 5098988012** Collected: 06/09/14 11:38 Received: 06/09/14 14:18 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	1000	10		06/19/14 09:27	67-64-1	
Benzene	ND	ug/L	50.0	10		06/19/14 09:27	71-43-2	
Bromodichloromethane	ND	ug/L	50.0	10		06/19/14 09:27	75-27-4	
Bromoform	ND	ug/L	50.0	10		06/19/14 09:27	75-25-2	
Bromomethane	ND	ug/L	50.0	10		06/19/14 09:27	74-83-9	
2-Butanone (MEK)	ND	ug/L	250	10		06/19/14 09:27	78-93-3	
Carbon disulfide	ND	ug/L	100	10		06/19/14 09:27	75-15-0	
Carbon tetrachloride	ND	ug/L	50.0	10		06/19/14 09:27	56-23-5	
Chlorobenzene	ND	ug/L	50.0	10		06/19/14 09:27	108-90-7	
Chloroethane	ND	ug/L	50.0	10		06/19/14 09:27	75-00-3	
Chloroform	ND	ug/L	50.0	10		06/19/14 09:27	67-66-3	
Chloromethane	ND	ug/L	50.0	10		06/19/14 09:27	74-87-3	
Cyclohexane	ND	ug/L	1000	10		06/19/14 09:27	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	100	10		06/19/14 09:27	96-12-8	
Dibromochloromethane	ND	ug/L	50.0	10		06/19/14 09:27	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	50.0	10		06/19/14 09:27	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	50.0	10		06/19/14 09:27	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	50.0	10		06/19/14 09:27	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	50.0	10		06/19/14 09:27	106-46-7	
Dichlorodifluoromethane	ND	ug/L	50.0	10		06/19/14 09:27	75-71-8	
1,1-Dichloroethane	ND	ug/L	50.0	10		06/19/14 09:27	75-34-3	
1,2-Dichloroethane	ND	ug/L	50.0	10		06/19/14 09:27	107-06-2	
1,1-Dichloroethene	ND	ug/L	50.0	10		06/19/14 09:27	75-35-4	
cis-1,2-Dichloroethene	**331**	ug/L	50.0	10		06/19/14 09:27	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	50.0	10		06/19/14 09:27	156-60-5	
1,2-Dichloropropane	ND	ug/L	50.0	10		06/19/14 09:27	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	50.0	10		06/19/14 09:27	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	50.0	10		06/19/14 09:27	10061-02-6	
Ethylbenzene	ND	ug/L	50.0	10		06/19/14 09:27	100-41-4	
2-Hexanone	ND	ug/L	250	10		06/19/14 09:27	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	50.0	10		06/19/14 09:27	98-82-8	
Methyl acetate	ND	ug/L	500	10		06/19/14 09:27	79-20-9	N2
Methylcyclohexane	ND	ug/L	500	10		06/19/14 09:27	108-87-2	N2
Methylene Chloride	ND	ug/L	50.0	10		06/19/14 09:27	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	250	10		06/19/14 09:27	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	40.0	10		06/19/14 09:27	1634-04-4	
Styrene	ND	ug/L	50.0	10		06/19/14 09:27	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	50.0	10		06/19/14 09:27	79-34-5	
Tetrachloroethene	**33800**	ug/L	2500	500		06/19/14 18:07	127-18-4	
Toluene	ND	ug/L	50.0	10		06/19/14 09:27	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	50.0	10		06/19/14 09:27	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	50.0	10		06/19/14 09:27	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	50.0	10		06/19/14 09:27	79-00-5	
Trichloroethene	**1410**	ug/L	50.0	10		06/19/14 09:27	79-01-6	
Trichlorofluoromethane	ND	ug/L	50.0	10		06/19/14 09:27	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	50.0	10		06/19/14 09:27	76-13-1	
Vinyl chloride	ND	ug/L	20.0	10		06/19/14 09:27	75-01-4	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5098988

Sample: RW-0203-S2A (060914) **Lab ID: 5098988012** Collected: 06/09/14 11:38 Received: 06/09/14 14:18 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	100	10		06/19/14 09:27	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	90	%.	79-116	10		06/19/14 09:27	1868-53-7	D4
4-Bromofluorobenzene (S)	96	%.	80-114	10		06/19/14 09:27	460-00-4	
Toluene-d8 (S)	103	%.	81-110	10		06/19/14 09:27	2037-26-5	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5098988

Sample: RW-0204-S2A/0205-S2A (060914) **Lab ID: 5098988013** Collected: 06/09/14 11:41 Received: 06/09/14 14:18 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	5000	50		06/19/14 18:26	67-64-1	
Benzene	ND	ug/L	250	50		06/19/14 18:26	71-43-2	
Bromodichloromethane	ND	ug/L	250	50		06/19/14 18:26	75-27-4	
Bromoform	ND	ug/L	250	50		06/19/14 18:26	75-25-2	
Bromomethane	ND	ug/L	250	50		06/19/14 18:26	74-83-9	
2-Butanone (MEK)	ND	ug/L	1250	50		06/19/14 18:26	78-93-3	
Carbon disulfide	ND	ug/L	500	50		06/19/14 18:26	75-15-0	
Carbon tetrachloride	ND	ug/L	250	50		06/19/14 18:26	56-23-5	
Chlorobenzene	ND	ug/L	250	50		06/19/14 18:26	108-90-7	
Chloroethane	ND	ug/L	250	50		06/19/14 18:26	75-00-3	
Chloroform	ND	ug/L	250	50		06/19/14 18:26	67-66-3	
Chloromethane	ND	ug/L	250	50		06/19/14 18:26	74-87-3	
Cyclohexane	ND	ug/L	5000	50		06/19/14 18:26	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	500	50		06/19/14 18:26	96-12-8	
Dibromochloromethane	ND	ug/L	250	50		06/19/14 18:26	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	250	50		06/19/14 18:26	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	250	50		06/19/14 18:26	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	250	50		06/19/14 18:26	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	250	50		06/19/14 18:26	106-46-7	
Dichlorodifluoromethane	ND	ug/L	250	50		06/19/14 18:26	75-71-8	
1,1-Dichloroethane	ND	ug/L	250	50		06/19/14 18:26	75-34-3	
1,2-Dichloroethane	ND	ug/L	250	50		06/19/14 18:26	107-06-2	
1,1-Dichloroethene	ND	ug/L	250	50		06/19/14 18:26	75-35-4	
cis-1,2-Dichloroethene	**274**	ug/L	250	50		06/19/14 18:26	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	250	50		06/19/14 18:26	156-60-5	
1,2-Dichloropropane	ND	ug/L	250	50		06/19/14 18:26	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	250	50		06/19/14 18:26	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	250	50		06/19/14 18:26	10061-02-6	
Ethylbenzene	ND	ug/L	250	50		06/19/14 18:26	100-41-4	
2-Hexanone	ND	ug/L	1250	50		06/19/14 18:26	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	250	50		06/19/14 18:26	98-82-8	
Methyl acetate	ND	ug/L	2500	50		06/19/14 18:26	79-20-9	N2
Methylcyclohexane	ND	ug/L	2500	50		06/19/14 18:26	108-87-2	N2
Methylene Chloride	ND	ug/L	250	50		06/19/14 18:26	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	1250	50		06/19/14 18:26	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	200	50		06/19/14 18:26	1634-04-4	
Styrene	ND	ug/L	250	50		06/19/14 18:26	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	250	50		06/19/14 18:26	79-34-5	
Tetrachloroethene	**35400**	ug/L	2500	500		06/19/14 19:04	127-18-4	
Toluene	ND	ug/L	250	50		06/19/14 18:26	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	250	50		06/19/14 18:26	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	250	50		06/19/14 18:26	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	250	50		06/19/14 18:26	79-00-5	
Trichloroethene	**1390**	ug/L	250	50		06/19/14 18:26	79-01-6	
Trichlorofluoromethane	ND	ug/L	250	50		06/19/14 18:26	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	250	50		06/19/14 18:26	76-13-1	

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(317)228-3100

ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5098988

Sample: RW-0204-S2A/0205-S2A (060914) **Lab ID: 5098988013** Collected: 06/09/14 11:41 Received: 06/09/14 14:18 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Vinyl chloride	ND	ug/L	100	50		06/19/14 18:26	75-01-4	
Xylene (Total)	ND	ug/L	500	50		06/19/14 18:26	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	95	%.	79-116	50		06/19/14 18:26	1868-53-7	D4
4-Bromofluorobenzene (S)	102	%.	80-114	50		06/19/14 18:26	460-00-4	
Toluene-d8 (S)	100	%.	81-110	50		06/19/14 18:26	2037-26-5	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5098988

Sample: RW-0605-S3 (060914) **Lab ID: 5098988014** Collected: 06/09/14 11:45 Received: 06/09/14 14:18 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		06/19/14 19:41	67-64-1	
Benzene	ND	ug/L	5.0	1		06/19/14 19:41	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		06/19/14 19:41	75-27-4	
Bromoform	ND	ug/L	5.0	1		06/19/14 19:41	75-25-2	
Bromomethane	ND	ug/L	5.0	1		06/19/14 19:41	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		06/19/14 19:41	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		06/19/14 19:41	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		06/19/14 19:41	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		06/19/14 19:41	108-90-7	
Chloroethane	ND	ug/L	5.0	1		06/19/14 19:41	75-00-3	
Chloroform	ND	ug/L	5.0	1		06/19/14 19:41	67-66-3	
Chloromethane	ND	ug/L	5.0	1		06/19/14 19:41	74-87-3	
Cyclohexane	ND	ug/L	100	1		06/19/14 19:41	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		06/19/14 19:41	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		06/19/14 19:41	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		06/19/14 19:41	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		06/19/14 19:41	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		06/19/14 19:41	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		06/19/14 19:41	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		06/19/14 19:41	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		06/19/14 19:41	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		06/19/14 19:41	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		06/19/14 19:41	75-35-4	
cis-1,2-Dichloroethene	**3.0J**	ug/L	5.0	1		06/19/14 19:41	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		06/19/14 19:41	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		06/19/14 19:41	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		06/19/14 19:41	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		06/19/14 19:41	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		06/19/14 19:41	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		06/19/14 19:41	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		06/19/14 19:41	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		06/19/14 19:41	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		06/19/14 19:41	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		06/19/14 19:41	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		06/19/14 19:41	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		06/19/14 19:41	1634-04-4	
Styrene	ND	ug/L	5.0	1		06/19/14 19:41	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		06/19/14 19:41	79-34-5	
Tetrachloroethene	**1490**	ug/L	50.0	10		06/20/14 23:31	127-18-4	
Toluene	ND	ug/L	5.0	1		06/19/14 19:41	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		06/19/14 19:41	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		06/19/14 19:41	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		06/19/14 19:41	79-00-5	
Trichloroethene	**14.5**	ug/L	5.0	1		06/19/14 19:41	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		06/19/14 19:41	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		06/19/14 19:41	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		06/19/14 19:41	75-01-4	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5098988

Sample: RW-0605-S3 (060914) **Lab ID: 5098988014** Collected: 06/09/14 11:45 Received: 06/09/14 14:18 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		06/19/14 19:41	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	92	%.	79-116	1		06/19/14 19:41	1868-53-7	
4-Bromofluorobenzene (S)	99	%.	80-114	1		06/19/14 19:41	460-00-4	
Toluene-d8 (S)	100	%.	81-110	1		06/19/14 19:41	2037-26-5	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5098988

Sample: Trip Blank **Lab ID: 5098988015** Collected: 06/09/14 08:00 Received: 06/09/14 14:18 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		06/19/14 20:19	67-64-1	
Benzene	ND	ug/L	5.0	1		06/19/14 20:19	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		06/19/14 20:19	75-27-4	
Bromoform	ND	ug/L	5.0	1		06/19/14 20:19	75-25-2	
Bromomethane	ND	ug/L	5.0	1		06/19/14 20:19	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		06/19/14 20:19	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		06/19/14 20:19	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		06/19/14 20:19	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		06/19/14 20:19	108-90-7	
Chloroethane	ND	ug/L	5.0	1		06/19/14 20:19	75-00-3	
Chloroform	ND	ug/L	5.0	1		06/19/14 20:19	67-66-3	
Chloromethane	ND	ug/L	5.0	1		06/19/14 20:19	74-87-3	
Cyclohexane	ND	ug/L	100	1		06/19/14 20:19	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		06/19/14 20:19	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		06/19/14 20:19	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		06/19/14 20:19	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		06/19/14 20:19	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		06/19/14 20:19	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		06/19/14 20:19	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		06/19/14 20:19	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		06/19/14 20:19	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		06/19/14 20:19	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		06/19/14 20:19	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		06/19/14 20:19	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		06/19/14 20:19	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		06/19/14 20:19	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		06/19/14 20:19	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		06/19/14 20:19	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		06/19/14 20:19	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		06/19/14 20:19	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		06/19/14 20:19	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		06/19/14 20:19	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		06/19/14 20:19	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		06/19/14 20:19	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		06/19/14 20:19	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		06/19/14 20:19	1634-04-4	
Styrene	ND	ug/L	5.0	1		06/19/14 20:19	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		06/19/14 20:19	79-34-5	
Tetrachloroethene	**3.5J**	ug/L	5.0	1		06/19/14 20:19	127-18-4	
Toluene	ND	ug/L	5.0	1		06/19/14 20:19	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		06/19/14 20:19	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		06/19/14 20:19	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		06/19/14 20:19	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		06/19/14 20:19	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		06/19/14 20:19	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		06/19/14 20:19	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		06/19/14 20:19	75-01-4	

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5098988

Sample: Trip Blank **Lab ID: 5098988015** Collected: 06/09/14 08:00 Received: 06/09/14 14:18 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		06/19/14 20:19	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	119	%.	79-116	1		06/19/14 20:19	1868-53-7	S3
4-Bromofluorobenzene (S)	104	%.	80-114	1		06/19/14 20:19	460-00-4	
Toluene-d8 (S)	94	%.	81-110	1		06/19/14 20:19	2037-26-5	

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QUALITY CONTROL DATA

Project: E027039 / Allison Trans
Pace Project No.: 5098988

QC Batch: MSV/65888 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 5098988001, 5098988002, 5098988003

METHOD BLANK: 1113002 Matrix: Water
Associated Lab Samples: 5098988001, 5098988002, 5098988003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	06/18/14 11:56	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	06/18/14 11:56	
1,1,2-Trichloroethane	ug/L	ND	5.0	06/18/14 11:56	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	5.0	06/18/14 11:56	
1,1-Dichloroethane	ug/L	ND	5.0	06/18/14 11:56	
1,1-Dichloroethene	ug/L	ND	5.0	06/18/14 11:56	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	06/18/14 11:56	
1,2-Dibromo-3-chloropropane	ug/L	ND	10.0	06/18/14 11:56	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	06/18/14 11:56	
1,2-Dichlorobenzene	ug/L	ND	5.0	06/18/14 11:56	
1,2-Dichloroethane	ug/L	ND	5.0	06/18/14 11:56	
1,2-Dichloropropane	ug/L	ND	5.0	06/18/14 11:56	
1,3-Dichlorobenzene	ug/L	ND	5.0	06/18/14 11:56	
1,4-Dichlorobenzene	ug/L	ND	5.0	06/18/14 11:56	
2-Butanone (MEK)	ug/L	ND	25.0	06/18/14 11:56	
2-Hexanone	ug/L	ND	25.0	06/18/14 11:56	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	06/18/14 11:56	
Acetone	ug/L	ND	100	06/18/14 11:56	
Benzene	ug/L	ND	5.0	06/18/14 11:56	
Bromodichloromethane	ug/L	ND	5.0	06/18/14 11:56	
Bromoform	ug/L	ND	5.0	06/18/14 11:56	
Bromomethane	ug/L	ND	5.0	06/18/14 11:56	
Carbon disulfide	ug/L	ND	10.0	06/18/14 11:56	
Carbon tetrachloride	ug/L	ND	5.0	06/18/14 11:56	
Chlorobenzene	ug/L	ND	5.0	06/18/14 11:56	
Chloroethane	ug/L	ND	5.0	06/18/14 11:56	
Chloroform	ug/L	ND	5.0	06/18/14 11:56	
Chloromethane	ug/L	ND	5.0	06/18/14 11:56	
cis-1,2-Dichloroethene	ug/L	ND	5.0	06/18/14 11:56	
cis-1,3-Dichloropropene	ug/L	ND	5.0	06/18/14 11:56	
Cyclohexane	ug/L	ND	100	06/18/14 11:56	N2
Dibromochloromethane	ug/L	ND	5.0	06/18/14 11:56	
Dichlorodifluoromethane	ug/L	ND	5.0	06/18/14 11:56	
Ethylbenzene	ug/L	ND	5.0	06/18/14 11:56	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	06/18/14 11:56	
Methyl acetate	ug/L	ND	50.0	06/18/14 11:56	N2
Methyl-tert-butyl ether	ug/L	ND	4.0	06/18/14 11:56	
Methylcyclohexane	ug/L	ND	50.0	06/18/14 11:56	N2
Methylene Chloride	ug/L	ND	5.0	06/18/14 11:56	
Styrene	ug/L	ND	5.0	06/18/14 11:56	
Tetrachloroethene	ug/L	ND	5.0	06/18/14 11:56	

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QUALITY CONTROL DATA

Project: E027039 / Allison Trans
Pace Project No.: 5098988

METHOD BLANK: 1113002 Matrix: Water
Associated Lab Samples: 5098988001, 5098988002, 5098988003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Toluene	ug/L	ND	5.0	06/18/14 11:56	
trans-1,2-Dichloroethene	ug/L	ND	5.0	06/18/14 11:56	
trans-1,3-Dichloropropene	ug/L	ND	5.0	06/18/14 11:56	
Trichloroethene	ug/L	ND	5.0	06/18/14 11:56	
Trichlorofluoromethane	ug/L	ND	5.0	06/18/14 11:56	
Vinyl chloride	ug/L	ND	2.0	06/18/14 11:56	
Xylene (Total)	ug/L	ND	10.0	06/18/14 11:56	
4-Bromofluorobenzene (S)	%.	96	80-114	06/18/14 11:56	
Dibromofluoromethane (S)	%.	104	79-116	06/18/14 11:56	
Toluene-d8 (S)	%.	100	81-110	06/18/14 11:56	

LABORATORY CONTROL SAMPLE: 1113003

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	46.0	92	71-129	
1,1,2,2-Tetrachloroethane	ug/L	50	53.8	108	66-126	
1,1-Dichloroethene	ug/L	50	60.8	122	68-127	
1,2-Dichloropropane	ug/L	50	48.2	96	74-121	
Benzene	ug/L	50	53.4	107	74-122	
Chlorobenzene	ug/L	50	56.9	114	78-123	
Chloroform	ug/L	50	50.4	101	78-126	
Ethylbenzene	ug/L	50	56.6	113	66-133	
Isopropylbenzene (Cumene)	ug/L	50	60.7	121	69-124	
Methyl-tert-butyl ether	ug/L	100	115	115	69-122	
Tetrachloroethene	ug/L	50	58.2	116	69-130	
Toluene	ug/L	50	55.3	111	72-122	
Trichloroethene	ug/L	50	50.3	101	76-126	
Vinyl chloride	ug/L	50	39.5	79	59-126	
Xylene (Total)	ug/L	150	175	117	70-124	
4-Bromofluorobenzene (S)	%.			96	80-114	
Dibromofluoromethane (S)	%.			99	79-116	
Toluene-d8 (S)	%.			104	81-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1113004 1113005

Parameter	Units	5098988001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	ND	50	50	40.3	44.7	81	89	60-138	10	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	46.3	55.8	93	112	55-128	19	20	
1,1-Dichloroethene	ug/L	ND	50	50	59.2	61.8	118	124	55-145	4	20	
1,2-Dichloropropane	ug/L	ND	50	50	45.1	49.3	90	99	59-130	9	20	
Benzene	ug/L	ND	50	50	49.6	53.9	99	108	62-129	8	20	

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QUALITY CONTROL DATA

Project: E027039 / Allison Trans
Pace Project No.: 5098988

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1113004 1113005

Parameter	Units	5098988001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chlorobenzene	ug/L	ND	50	50	47.0	51.8	94	104	49-136	10	20	
Chloroform	ug/L	ND	50	50	48.3	51.8	97	104	54-150	7	20	
Ethylbenzene	ug/L	ND	50	50	46.4	50.3	93	100	28-153	8	20	
Isopropylbenzene (Cumene)	ug/L	ND	50	50	47.7	51.3	95	103	18-152	7	20	
Methyl-tert-butyl ether	ug/L	ND	100	100	102	92.5	102	92	63-130	10	20	
Tetrachloroethene	ug/L	ND	50	50	48.0	52.4	96	105	33-151	9	20	
Toluene	ug/L	ND	50	50	49.1	52.9	97	105	50-132	7	20	
Trichloroethene	ug/L	ND	50	50	45.6	48.6	91	97	50-143	6	20	
Vinyl chloride	ug/L	ND	50	50	37.6	39.0	75	78	44-145	4	20	
Xylene (Total)	ug/L	ND	150	150	141	153	94	102	29-145	8	20	
4-Bromofluorobenzene (S)	%.						96	97	80-114			
Dibromofluoromethane (S)	%.						101	98	79-116			
Toluene-d8 (S)	%.						102	103	81-110			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: E027039 / Allison Trans
Pace Project No.: 5098988

QC Batch: MSV/65899 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 5098988004, 5098988005, 5098988006, 5098988007

METHOD BLANK: 1113110 Matrix: Water
Associated Lab Samples: 5098988004, 5098988005, 5098988006, 5098988007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	06/19/14 00:23	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	06/19/14 00:23	
1,1,2-Trichloroethane	ug/L	ND	5.0	06/19/14 00:23	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	5.0	06/19/14 00:23	
1,1-Dichloroethane	ug/L	ND	5.0	06/19/14 00:23	
1,1-Dichloroethene	ug/L	ND	5.0	06/19/14 00:23	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	06/19/14 00:23	
1,2-Dibromo-3-chloropropane	ug/L	ND	10.0	06/19/14 00:23	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	06/19/14 00:23	
1,2-Dichlorobenzene	ug/L	ND	5.0	06/19/14 00:23	
1,2-Dichloroethane	ug/L	ND	5.0	06/19/14 00:23	
1,2-Dichloropropane	ug/L	ND	5.0	06/19/14 00:23	
1,3-Dichlorobenzene	ug/L	ND	5.0	06/19/14 00:23	
1,4-Dichlorobenzene	ug/L	ND	5.0	06/19/14 00:23	
2-Butanone (MEK)	ug/L	ND	25.0	06/19/14 00:23	
2-Hexanone	ug/L	ND	25.0	06/19/14 00:23	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	06/19/14 00:23	
Acetone	ug/L	ND	100	06/19/14 00:23	
Benzene	ug/L	ND	5.0	06/19/14 00:23	
Bromodichloromethane	ug/L	ND	5.0	06/19/14 00:23	
Bromoform	ug/L	ND	5.0	06/19/14 00:23	
Bromomethane	ug/L	ND	5.0	06/19/14 00:23	
Carbon disulfide	ug/L	ND	10.0	06/19/14 00:23	
Carbon tetrachloride	ug/L	ND	5.0	06/19/14 00:23	
Chlorobenzene	ug/L	ND	5.0	06/19/14 00:23	
Chloroethane	ug/L	ND	5.0	06/19/14 00:23	
Chloroform	ug/L	ND	5.0	06/19/14 00:23	
Chloromethane	ug/L	ND	5.0	06/19/14 00:23	
cis-1,2-Dichloroethene	ug/L	ND	5.0	06/19/14 00:23	
cis-1,3-Dichloropropene	ug/L	ND	5.0	06/19/14 00:23	
Cyclohexane	ug/L	ND	100	06/19/14 00:23	N2
Dibromochloromethane	ug/L	ND	5.0	06/19/14 00:23	
Dichlorodifluoromethane	ug/L	ND	5.0	06/19/14 00:23	
Ethylbenzene	ug/L	ND	5.0	06/19/14 00:23	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	06/19/14 00:23	
Methyl acetate	ug/L	ND	50.0	06/19/14 00:23	N2
Methyl-tert-butyl ether	ug/L	ND	4.0	06/19/14 00:23	
Methylcyclohexane	ug/L	ND	50.0	06/19/14 00:23	N2
Methylene Chloride	ug/L	ND	5.0	06/19/14 00:23	
Styrene	ug/L	ND	5.0	06/19/14 00:23	
Tetrachloroethene	ug/L	ND	5.0	06/19/14 00:23	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: E027039 / Allison Trans
Pace Project No.: 5098988

METHOD BLANK: 1113110 Matrix: Water
Associated Lab Samples: 5098988004, 5098988005, 5098988006, 5098988007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Toluene	ug/L	ND	5.0	06/19/14 00:23	
trans-1,2-Dichloroethene	ug/L	ND	5.0	06/19/14 00:23	
trans-1,3-Dichloropropene	ug/L	ND	5.0	06/19/14 00:23	
Trichloroethene	ug/L	ND	5.0	06/19/14 00:23	
Trichlorofluoromethane	ug/L	ND	5.0	06/19/14 00:23	
Vinyl chloride	ug/L	ND	2.0	06/19/14 00:23	
Xylene (Total)	ug/L	ND	10.0	06/19/14 00:23	
4-Bromofluorobenzene (S)	%.	98	80-114	06/19/14 00:23	
Dibromofluoromethane (S)	%.	107	79-116	06/19/14 00:23	
Toluene-d8 (S)	%.	101	81-110	06/19/14 00:23	

LABORATORY CONTROL SAMPLE: 1113111

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	44.0	88	71-129	
1,1,2,2-Tetrachloroethane	ug/L	50	52.1	104	66-126	
1,1-Dichloroethene	ug/L	50	58.0	116	68-127	
1,2-Dichloropropane	ug/L	50	46.0	92	74-121	
Benzene	ug/L	50	51.3	103	74-122	
Chlorobenzene	ug/L	50	53.7	107	78-123	
Chloroform	ug/L	50	48.8	98	78-126	
Ethylbenzene	ug/L	50	53.9	108	66-133	
Isopropylbenzene (Cumene)	ug/L	50	56.5	113	69-124	
Methyl-tert-butyl ether	ug/L	100	88.3	88	69-122	
Tetrachloroethene	ug/L	50	54.5	109	69-130	
Toluene	ug/L	50	53.4	107	72-122	
Trichloroethene	ug/L	50	47.6	95	76-126	
Vinyl chloride	ug/L	50	37.2	74	59-126	
Xylene (Total)	ug/L	150	164	109	70-124	
4-Bromofluorobenzene (S)	%.			94	80-114	
Dibromofluoromethane (S)	%.			99	79-116	
Toluene-d8 (S)	%.			103	81-110	

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QUALITY CONTROL DATA

Project: E027039 / Allison Trans
Pace Project No.: 5098988

QC Batch: MSV/65903 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 5098988009, 5098988010, 5098988011, 5098988012

METHOD BLANK: 1113132 Matrix: Water
Associated Lab Samples: 5098988009, 5098988010, 5098988011, 5098988012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	06/19/14 00:42	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	06/19/14 00:42	
1,1,2-Trichloroethane	ug/L	ND	5.0	06/19/14 00:42	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	5.0	06/19/14 00:42	
1,1-Dichloroethane	ug/L	ND	5.0	06/19/14 00:42	
1,1-Dichloroethene	ug/L	ND	5.0	06/19/14 00:42	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	06/19/14 00:42	
1,2-Dibromo-3-chloropropane	ug/L	ND	10.0	06/19/14 00:42	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	06/19/14 00:42	
1,2-Dichlorobenzene	ug/L	ND	5.0	06/19/14 00:42	
1,2-Dichloroethane	ug/L	ND	5.0	06/19/14 00:42	
1,2-Dichloropropane	ug/L	ND	5.0	06/19/14 00:42	
1,3-Dichlorobenzene	ug/L	ND	5.0	06/19/14 00:42	
1,4-Dichlorobenzene	ug/L	ND	5.0	06/19/14 00:42	
2-Butanone (MEK)	ug/L	ND	25.0	06/19/14 00:42	
2-Hexanone	ug/L	ND	25.0	06/19/14 00:42	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	06/19/14 00:42	
Acetone	ug/L	ND	100	06/19/14 00:42	
Benzene	ug/L	ND	5.0	06/19/14 00:42	
Bromodichloromethane	ug/L	ND	5.0	06/19/14 00:42	
Bromoform	ug/L	ND	5.0	06/19/14 00:42	
Bromomethane	ug/L	ND	5.0	06/19/14 00:42	
Carbon disulfide	ug/L	ND	10.0	06/19/14 00:42	
Carbon tetrachloride	ug/L	ND	5.0	06/19/14 00:42	
Chlorobenzene	ug/L	ND	5.0	06/19/14 00:42	
Chloroethane	ug/L	ND	5.0	06/19/14 00:42	
Chloroform	ug/L	ND	5.0	06/19/14 00:42	
Chloromethane	ug/L	ND	5.0	06/19/14 00:42	
cis-1,2-Dichloroethene	ug/L	ND	5.0	06/19/14 00:42	
cis-1,3-Dichloropropene	ug/L	ND	5.0	06/19/14 00:42	
Cyclohexane	ug/L	ND	100	06/19/14 00:42	N2
Dibromochloromethane	ug/L	ND	5.0	06/19/14 00:42	
Dichlorodifluoromethane	ug/L	ND	5.0	06/19/14 00:42	
Ethylbenzene	ug/L	ND	5.0	06/19/14 00:42	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	06/19/14 00:42	
Methyl acetate	ug/L	ND	50.0	06/19/14 00:42	N2
Methyl-tert-butyl ether	ug/L	ND	4.0	06/19/14 00:42	
Methylcyclohexane	ug/L	ND	50.0	06/19/14 00:42	N2
Methylene Chloride	ug/L	ND	5.0	06/19/14 00:42	
Styrene	ug/L	ND	5.0	06/19/14 00:42	
Tetrachloroethene	ug/L	ND	5.0	06/19/14 00:42	

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QUALITY CONTROL DATA

Project: E027039 / Allison Trans
Pace Project No.: 5098988

METHOD BLANK: 1113132 Matrix: Water
Associated Lab Samples: 5098988009, 5098988010, 5098988011, 5098988012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Toluene	ug/L	ND	5.0	06/19/14 00:42	
trans-1,2-Dichloroethene	ug/L	ND	5.0	06/19/14 00:42	
trans-1,3-Dichloropropene	ug/L	ND	5.0	06/19/14 00:42	
Trichloroethene	ug/L	ND	5.0	06/19/14 00:42	
Trichlorofluoromethane	ug/L	ND	5.0	06/19/14 00:42	
Vinyl chloride	ug/L	ND	2.0	06/19/14 00:42	
Xylene (Total)	ug/L	ND	10.0	06/19/14 00:42	
4-Bromofluorobenzene (S)	%.	103	80-114	06/19/14 00:42	
Dibromofluoromethane (S)	%.	117	79-116	06/19/14 00:42	S3
Toluene-d8 (S)	%.	97	81-110	06/19/14 00:42	

LABORATORY CONTROL SAMPLE: 1113133

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	43.4	87	71-129	
1,1,2,2-Tetrachloroethane	ug/L	50	51.3	103	66-126	
1,1-Dichloroethene	ug/L	50	57.1	114	68-127	
1,2-Dichloropropane	ug/L	50	48.4	97	74-121	
Benzene	ug/L	50	52.9	106	74-122	
Chlorobenzene	ug/L	50	55.7	111	78-123	
Chloroform	ug/L	50	50.1	100	78-126	
Ethylbenzene	ug/L	50	52.1	104	66-133	
Isopropylbenzene (Cumene)	ug/L	50	49.1	98	69-124	
Methyl-tert-butyl ether	ug/L	100	96.1	96	69-122	
Tetrachloroethene	ug/L	50	56.7	113	69-130	
Toluene	ug/L	50	54.1	108	72-122	
Trichloroethene	ug/L	50	50.4	101	76-126	
Vinyl chloride	ug/L	50	37.3	75	59-126	
Xylene (Total)	ug/L	150	158	106	70-124	
4-Bromofluorobenzene (S)	%.			92	80-114	
Dibromofluoromethane (S)	%.			97	79-116	
Toluene-d8 (S)	%.			104	81-110	

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QUALITY CONTROL DATA

Project: E027039 / Allison Trans
Pace Project No.: 5098988

QC Batch: MSV/65953 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 5098988008, 5098988013, 5098988014, 5098988015

METHOD BLANK: 1114154 Matrix: Water
Associated Lab Samples: 5098988008, 5098988013, 5098988014, 5098988015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	06/19/14 14:05	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	06/19/14 14:05	
1,1,2-Trichloroethane	ug/L	ND	5.0	06/19/14 14:05	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	5.0	06/19/14 14:05	
1,1-Dichloroethane	ug/L	ND	5.0	06/19/14 14:05	
1,1-Dichloroethene	ug/L	ND	5.0	06/19/14 14:05	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	06/19/14 14:05	
1,2-Dibromo-3-chloropropane	ug/L	ND	10.0	06/19/14 14:05	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	06/19/14 14:05	
1,2-Dichlorobenzene	ug/L	ND	5.0	06/19/14 14:05	
1,2-Dichloroethane	ug/L	ND	5.0	06/19/14 14:05	
1,2-Dichloropropane	ug/L	ND	5.0	06/19/14 14:05	
1,3-Dichlorobenzene	ug/L	ND	5.0	06/19/14 14:05	
1,4-Dichlorobenzene	ug/L	ND	5.0	06/19/14 14:05	
2-Butanone (MEK)	ug/L	ND	25.0	06/19/14 14:05	
2-Hexanone	ug/L	ND	25.0	06/19/14 14:05	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	06/19/14 14:05	
Acetone	ug/L	ND	100	06/19/14 14:05	
Benzene	ug/L	ND	5.0	06/19/14 14:05	
Bromodichloromethane	ug/L	ND	5.0	06/19/14 14:05	
Bromoform	ug/L	ND	5.0	06/19/14 14:05	
Bromomethane	ug/L	ND	5.0	06/19/14 14:05	
Carbon disulfide	ug/L	ND	10.0	06/19/14 14:05	
Carbon tetrachloride	ug/L	ND	5.0	06/19/14 14:05	
Chlorobenzene	ug/L	ND	5.0	06/19/14 14:05	
Chloroethane	ug/L	ND	5.0	06/19/14 14:05	
Chloroform	ug/L	ND	5.0	06/19/14 14:05	
Chloromethane	ug/L	ND	5.0	06/19/14 14:05	
cis-1,2-Dichloroethene	ug/L	ND	5.0	06/19/14 14:05	
cis-1,3-Dichloropropene	ug/L	ND	5.0	06/19/14 14:05	
Cyclohexane	ug/L	ND	100	06/19/14 14:05	N2
Dibromochloromethane	ug/L	ND	5.0	06/19/14 14:05	
Dichlorodifluoromethane	ug/L	ND	5.0	06/19/14 14:05	
Ethylbenzene	ug/L	ND	5.0	06/19/14 14:05	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	06/19/14 14:05	
Methyl acetate	ug/L	ND	50.0	06/19/14 14:05	N2
Methyl-tert-butyl ether	ug/L	ND	4.0	06/19/14 14:05	
Methylcyclohexane	ug/L	ND	50.0	06/19/14 14:05	N2
Methylene Chloride	ug/L	ND	5.0	06/19/14 14:05	
Styrene	ug/L	ND	5.0	06/19/14 14:05	
Tetrachloroethene	ug/L	ND	5.0	06/19/14 14:05	

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QUALITY CONTROL DATA

Project: E027039 / Allison Trans
Pace Project No.: 5098988

METHOD BLANK: 1114154 Matrix: Water
Associated Lab Samples: 5098988008, 5098988013, 5098988014, 5098988015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Toluene	ug/L	ND	5.0	06/19/14 14:05	
trans-1,2-Dichloroethene	ug/L	ND	5.0	06/19/14 14:05	
trans-1,3-Dichloropropene	ug/L	ND	5.0	06/19/14 14:05	
Trichloroethene	ug/L	ND	5.0	06/19/14 14:05	
Trichlorofluoromethane	ug/L	ND	5.0	06/19/14 14:05	
Vinyl chloride	ug/L	ND	2.0	06/19/14 14:05	
Xylene (Total)	ug/L	ND	10.0	06/19/14 14:05	
4-Bromofluorobenzene (S)	%.	102	80-114	06/19/14 14:05	
Dibromofluoromethane (S)	%.	111	79-116	06/19/14 14:05	
Toluene-d8 (S)	%.	96	81-110	06/19/14 14:05	

LABORATORY CONTROL SAMPLE: 1114155

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	45.8	92	71-129	
1,1,2,2-Tetrachloroethane	ug/L	50	52.3	105	66-126	
1,1-Dichloroethene	ug/L	50	61.1	122	68-127	
1,2-Dichloropropane	ug/L	50	50.2	100	74-121	
Benzene	ug/L	50	55.5	111	74-122	
Chlorobenzene	ug/L	50	59.9	120	78-123	
Chloroform	ug/L	50	52.8	106	78-126	
Ethylbenzene	ug/L	50	54.9	110	66-133	
Isopropylbenzene (Cumene)	ug/L	50	49.3	99	69-124	
Methyl-tert-butyl ether	ug/L	100	95.7	96	69-122	
Tetrachloroethene	ug/L	50	64.1	128	69-130	
Toluene	ug/L	50	58.4	117	72-122	
Trichloroethene	ug/L	50	54.4	109	76-126	
Vinyl chloride	ug/L	50	42.5	85	59-126	
Xylene (Total)	ug/L	150	165	110	70-124	
4-Bromofluorobenzene (S)	%.			91	80-114	
Dibromofluoromethane (S)	%.			97	79-116	
Toluene-d8 (S)	%.			107	81-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1114156 1114157

Parameter	Units	5099391001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	ND	50	50	42.7	46.8	85	94	60-138	9	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	52.5	57.1	105	114	55-128	8	20	
1,1-Dichloroethene	ug/L	ND	50	50	69.6	71.3	139	143	55-145	2	20	
1,2-Dichloropropane	ug/L	ND	50	50	51.5	55.2	103	110	59-130	7	20	
Benzene	ug/L	ND	50	50	56.0	60.1	112	120	62-129	7	20	

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QUALITY CONTROL DATA

Project: E027039 / Allison Trans
Pace Project No.: 5098988

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1114156 1114157

Parameter	Units	5099391001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chlorobenzene	ug/L	ND	50	50	48.0	58.0	96	116	49-136	19	20	
Chloroform	ug/L	ND	50	50	54.9	57.6	110	115	54-150	5	20	
Ethylbenzene	ug/L	ND	50	50	40.8	49.7	81	99	28-153	20	20	
Isopropylbenzene (Cumene)	ug/L	ND	50	50	33.8	43.2	68	86	18-152	25	20	R1
Methyl-tert-butyl ether	ug/L	ND	100	100	98.0	108	98	108	63-130	10	20	
Tetrachloroethene	ug/L	ND	50	50	50.1	59.5	98	117	33-151	17	20	
Toluene	ug/L	ND	50	50	51.3	58.8	102	117	50-132	14	20	
Trichloroethene	ug/L	ND	50	50	50.3	54.8	101	110	50-143	9	20	
Vinyl chloride	ug/L	ND	50	50	49.4	50.2	99	100	44-145	2	20	
Xylene (Total)	ug/L	ND	150	150	122	151	82	101	29-145	21	20	RS
4-Bromofluorobenzene (S)	%.						92	90	80-114			
Dibromofluoromethane (S)	%.						98	97	79-116			
Toluene-d8 (S)	%.						107	108	81-110			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: E027039 / Allison Trans
Pace Project No.: 5098988

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

LOD - Limit of Detection.

LOQ - Limit of Quantitation.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

CC	The continuing calibration for this compound is outside of method control limits. The result is estimated.
D4	Sample was diluted due to the presence of high levels of target analytes.
N2	The lab does not hold TNI accreditation for this parameter.
R1	RPD value was outside control limits.
RS	The RPD value in one of the constituent analytes was outside the control limits.
S3	Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: E027039 / Allison Trans
Pace Project No.: 5098988

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
5098988001	RW-0604-S3 (060914)	EPA 8260	MSV/65888		
5098988002	RW-0604-S2B (060914)	EPA 8260	MSV/65888		
5098988003	RW-0501-S3 (060914)	EPA 8260	MSV/65888		
5098988004	RW-0501-S2B (060914)	EPA 8260	MSV/65899		
5098988005	RW-0602-S3 (060914)	EPA 8260	MSV/65899		
5098988006	RW-0602-S2A/S2B (060914)	EPA 8260	MSV/65899		
5098988007	RW-0502-S2B (060914)	EPA 8260	MSV/65899		
5098988008	RW-0603-S3 (060914)	EPA 8260	MSV/65953		
5098988009	RW-1301-S2 (060914)	EPA 8260	MSV/65903		
5098988010	RW-0201-S2A (060914)	EPA 8260	MSV/65903		
5098988011	RW-0202-S2A (060914)	EPA 8260	MSV/65903		
5098988012	RW-0203-S2A (060914)	EPA 8260	MSV/65903		
5098988013	RW-0204-S2A/0205-S2A (060914)	EPA 8260	MSV/65953		
5098988014	RW-0605-S3 (060914)	EPA 8260	MSV/65953		
5098988015	Trip Blank	EPA 8260	MSV/65953		

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GM | REALM
ENCORE

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

PAGE 1 OF 1

ID # Nº 09469

SSOW Ref. Code: E027039

Required Client Information:

Company: Arcadis	Report To: E. Moosbrugger
Address: 132 E. Washington St #600	Copy To: S. Fisher
Indpls, IN 46204	Invoice To: Corporate
Phone: 317-231-6500	P.O.: IN000473.0019.00007
Fax: 16514	Project Name: Allison Trans
E-mail: Eric.Moosbrugger@Arcadis-us.com	Project Number: IN473.19.7

Laboratory: Pace Analytical	
Laboratory Location: Indpls	
Laboratory Contact:	
Requested Due Date:	TAT: 5td
QA/QC Requirements:	

5098988

Valid Matrix Codes: WG Groundwater; WB Borehole Water; WS Surface Water; SO Soil; SE Sediment; See Back for Additional Codes

Sample Identification:	Matrix Code	Date Collected	Time Collected	# Containers	Preservative: Unpreserved	HCl	H2SO4	HNO3	NaOH	Other:	Analysis and Method: VOCs	Remarks/Lab ID
1. RW-0604-S3 (060914)	GWINF	9Jun14	1100	3		3					X	1
2. RW-0604-S2B (060914)	GWINF		1102	3		3					X	2
3. RW-0501-S3 (060914)	GWINF		1105	3		3					X	3
4. RW-0501-S2B (060914)	GWINF		1107	3		3					X	4
5. RW-0602-S3 (060914)	GWINF		1110	3		3					X	5
6. RW-0602-S2A/S2B (060914)	GWINF		1112	3		3					X	6
7. RW-0502-S2B (060914)	GWINF		1115	3		3					X	7
8. RW-0603-S3 (060914)	GWINF		1118	3		3					X	8
9. RW-1301-S2 (060914)	GWINF		1120	3		3					X	9
10. RW-0201-S2A (060914)	GWINF		1130	3		3					X	10
11. RW-0202-S2A (060914)	GWINF		1134	3		3					X	11
12. RW-0203-S2A (060914)	GWINF		1138	3		3					X	12
13. RW-0204-S2A/0205-S2A (060914)	GWINF		1141	3		3					X	13
14. RW-0605-S3 (060914)	GWINF		1145	3		3					X	14
15. TRIP BLANK				3		3					X	15
TOTAL NUMBER OF CONTAINERS												

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY / AFFILIATION	DATE	TIME	RECEIVED BY / AFFILIATION	DATE	TIME
Hand	1	Chad Butrum / Arcadis	6/9/14	14:15	Carli Peacock	6-9-14	14:15
AIRBILL NO.							

Sample Condition

Temp in °C	9
Received on Ice	(Y) N
Sealed Cooler	Y (N)
Samples Intact	(Y) N

Additional Comments:

Sampler Name: Chad Butrum

Sampler Signature: Chad Butrum Date: 6/9/14

Distribution: WHITE - Fully Executed Copy YELLOW - Receiving Laboratory Copy PINK - Sampler Copy

REV. 0 (6/04)

Reference 23 Page 1334

Sample Condition Upon Receipt

Pace Analytical

Client Name: Arcadis Project # 5098988

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☑ Client ☐ Commercial ☐ Pace Other

Tracking #:

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☑ no

Date/Time 5035A kits placed in freezer:

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ None ☑ Other Foam

Thermometer Used 1 2 3 4 6 (A) B C D E Type of Ice: (Wet) Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature (Corrected, if applicable) 9.0c Ice Visible in Sample Containers: ☐ yes ☑ no

Temp should be above freezing to 6°C

Comments:

Date and Initials of person examining contents: CAP 6-9-14

Chain of Custody Present:	☑Yes	☐No	☐N/A
Chain of Custody Filled Out:	☑Yes	☐No	☐N/A
Chain of Custody Relinquished:	☑Yes	☐No	☐N/A
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A
Short Hold Time Analysis (<72hr):	☐Yes	☑No	☐N/A
Rush Turn Around Time Requested:	☐Yes	☑No	☐N/A
Containers Intact:	☑Yes	☐No	☐N/A
Sample Labels match COC: -Includes date/time/ID/Analysis	☑Yes	☐No	☐N/A
All containers needing acid/base pres. have been checked? exceptions: VOA, coliform, TOC, O&G	☐Yes	☐No	☑N/A
All containers needing preservation are found to be in compliance with EPA recommendation (<2, >9, >12) unless otherwise noted.			
Headspace in VOA Vials (>6mm):	☑Yes	☐No	☐N/A
Trip Blank Present:	☑Yes	☐No	☐N/A
Trip Blank Custody Seals Present	☑Yes	☐No	☐N/A
Project Manager Review			
Samples Arrived within Hold Time:	☑Yes	☐No	☐N/A
Sufficient Volume:	☑Yes	☐No	☐N/A
Correct Containers Used:	☑Yes	☐No	☐N/A

9. (Circle) HNO3 H2SO4 NaOH HCl

10. in one Trip blank

11.

12.

13.

14.

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: Date/Time:

Comments/ Resolution:

Project Manager Review: Med **Date:** 6/9/14

Form F-IN-Q-290-rev.05, 10Sep2013

Sample Container Count

Pace Analytical www.pacelabs.com

Pg. 1

CLIENT: Arcadis

COC PAGE 1 of 1

COC ID# _____ Project # _____

Sample Line Item	DG9H	AG1U	WGFU	AG0U	R	4 / 6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	BP3C	BP1U	SPST	_____	pH <2	pH>12	Comments
1	3																				
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

Container Codes

DG9H	40mL HCL amber voa vial	AG0U	100mL unpreserved amber gl	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber gla	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber g	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	I	Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber g	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber g	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gl	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

Reference 23 Page 1336

Sample Container Count

CLIENT: Arcadis

COC PAGE 1 of 1

COC ID# _____ Project # _____

Pace Analytical

Pg. 2

Sample Line Item	DG9H	AG1U	WGFU	AG0U	R	4 / 6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	BP3C	BP1U	SPST	____	pH <2	pH>12	Comments
1	3																				
2	3																				
3	3																				
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

Container Codes

DG9H	40mL HCL amber voa vial	AG0U	100mL unpreserved amber gl	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber gla	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber g	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	I	Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber g	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber g	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gl	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

Reference 23 Page 1337

Pace Analytical Services, Inc.
1233 Dublin Road
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(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

June 20, 2014

Ms. Susan Scrocchi
Conestoga-Rovers and Associates
2055 Niagara Falls Blvd
Suite 2
Niagara Falls, NY 14304

RE: Project: E027039 / Allison Trans
Pace Project No.: 5098987

Dear Ms. Scrocchi:
Enclosed are the analytical results for sample(s) received by the laboratory on June 09, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Donna S. Spyker

Donna Spyker
donna.spyker@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: E027039 / Allison Trans
Pace Project No.: 5098987

Indiana Certification IDs
7726 Moller Road, Indianapolis, IN 46268
Illinois Certification #: 200074
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky UST Certification #: 0042
Louisiana/NELAP Certification #: 04076
Ohio VAP Certification #: CL-0065
West Virginia Certification #: 330

Kansas Certification IDs
9608 Loiret Boulevard, Lenexa, KS 66219
WY STR Certification #: 2456.01
Arkansas Certification #: 13-012-0
Illinois Certification #: 003097
Iowa Certification #: 118
Kansas/NELAP Certification #: E-10116
Louisiana Certification #: 03055
Nevada Certification #: KS000212008A
Oklahoma Certification #: 9205/9935
Texas Certification #: T104704407-13-4
Utah Certification #: KS000212013-3
Illinois Certification #: 003097

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SAMPLE SUMMARY

Project: E027039 / Allison Trans
Pace Project No.: 5098987

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5098987001	Outfall-004-Effluent (060914)	Water	06/09/14 11:55	06/09/14 14:16
5098987002	Outfall-003 (060914)	Water	06/09/14 12:15	06/09/14 14:16

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(317)228-3100

SAMPLE ANALYTE COUNT

Project: E027039 / Allison Trans
Pace Project No.: 5098987

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
5098987001	**Outfall-004-Effluent (060914)**	EPA 624	BJG	36	PASI-I
5098987002	**Outfall-003 (060914)**	EPA 1664A	CRT	1	PASI-K
		EPA 1664A	CRT	1	PASI-K

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5098987

Sample: Outfall-004-Effluent (060914) **Lab ID: 5098987001** Collected: 06/09/14 11:55 Received: 06/09/14 14:16 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624 Volatile Organics	Analytical Method: EPA 624							
Benzene	ND	ug/L	5.0	1		06/18/14 23:20	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		06/18/14 23:20	75-27-4	
Bromoform	ND	ug/L	5.0	1		06/18/14 23:20	75-25-2	
Bromomethane	ND	ug/L	5.0	1		06/18/14 23:20	74-83-9	
Carbon tetrachloride	ND	ug/L	5.0	1		06/18/14 23:20	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		06/18/14 23:20	108-90-7	
Chloroethane	ND	ug/L	5.0	1		06/18/14 23:20	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	50.0	1		06/18/14 23:20	110-75-8	
Chloroform	ND	ug/L	5.0	1		06/18/14 23:20	67-66-3	
Chloromethane	ND	ug/L	5.0	1		06/18/14 23:20	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		06/18/14 23:20	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		06/18/14 23:20	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		06/18/14 23:20	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		06/18/14 23:20	106-46-7	
1,1-Dichloroethane	ND	ug/L	5.0	1		06/18/14 23:20	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		06/18/14 23:20	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		06/18/14 23:20	75-35-4	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		06/18/14 23:20	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		06/18/14 23:20	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		06/18/14 23:20	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		06/18/14 23:20	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		06/18/14 23:20	100-41-4	
Methylene Chloride	ND	ug/L	5.0	1		06/18/14 23:20	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	5.0	1		06/18/14 23:20	1634-04-4	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		06/18/14 23:20	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		06/18/14 23:20	127-18-4	
Toluene	ND	ug/L	5.0	1		06/18/14 23:20	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		06/18/14 23:20	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		06/18/14 23:20	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		06/18/14 23:20	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		06/18/14 23:20	75-69-4	
Vinyl chloride	ND	ug/L	2.0	1		06/18/14 23:20	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		06/18/14 23:20	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	102	%.	79-116	1		06/18/14 23:20	1868-53-7	
4-Bromofluorobenzene (S)	91	%.	80-114	1		06/18/14 23:20	460-00-4	
Toluene-d8 (S)	99	%.	81-110	1		06/18/14 23:20	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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7726 Moller Road
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(317)228-3100

ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5098987

Sample: Outfall-003 (060914) **Lab ID: 5098987002** Collected: 06/09/14 12:15 Received: 06/09/14 14:16 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
HEM, Oil and Grease	Analytical Method: EPA 1664A							
Oil and Grease	**18.9**	mg/L	5.0	1		06/17/14 14:52		
1664 SGT-HEM, TPH	Analytical Method: EPA 1664A							
Total Petroleum Hydrocarbons	**2.4J**	mg/L	5.0	1		06/17/14 16:04		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: E027039 / Allison Trans
Pace Project No.: 5098987

QC Batch: MSV/65911
QC Batch Method: EPA 624
Analysis Method: EPA 624
Analysis Description: 624 MSV
Associated Lab Samples: 5098987001

METHOD BLANK: 1113312
Matrix: Water
Associated Lab Samples: 5098987001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	06/18/14 16:44	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	06/18/14 16:44	
1,1,2-Trichloroethane	ug/L	ND	5.0	06/18/14 16:44	
1,1-Dichloroethane	ug/L	ND	5.0	06/18/14 16:44	
1,1-Dichloroethene	ug/L	ND	5.0	06/18/14 16:44	
1,2-Dichlorobenzene	ug/L	ND	5.0	06/18/14 16:44	
1,2-Dichloroethane	ug/L	ND	5.0	06/18/14 16:44	
1,2-Dichloropropane	ug/L	ND	5.0	06/18/14 16:44	
1,3-Dichlorobenzene	ug/L	ND	5.0	06/18/14 16:44	
1,4-Dichlorobenzene	ug/L	ND	5.0	06/18/14 16:44	
2-Chloroethylvinyl ether	ug/L	ND	50.0	06/18/14 16:44	
Benzene	ug/L	ND	5.0	06/18/14 16:44	
Bromodichloromethane	ug/L	ND	5.0	06/18/14 16:44	
Bromoform	ug/L	ND	5.0	06/18/14 16:44	
Bromomethane	ug/L	ND	5.0	06/18/14 16:44	
Carbon tetrachloride	ug/L	ND	5.0	06/18/14 16:44	
Chlorobenzene	ug/L	ND	5.0	06/18/14 16:44	
Chloroethane	ug/L	ND	5.0	06/18/14 16:44	
Chloroform	ug/L	ND	5.0	06/18/14 16:44	
Chloromethane	ug/L	ND	5.0	06/18/14 16:44	
cis-1,3-Dichloropropene	ug/L	ND	5.0	06/18/14 16:44	
Dibromochloromethane	ug/L	ND	5.0	06/18/14 16:44	
Ethylbenzene	ug/L	ND	5.0	06/18/14 16:44	
Methyl-tert-butyl ether	ug/L	ND	5.0	06/18/14 16:44	
Methylene Chloride	ug/L	ND	5.0	06/18/14 16:44	
Tetrachloroethene	ug/L	ND	5.0	06/18/14 16:44	
Toluene	ug/L	ND	5.0	06/18/14 16:44	
trans-1,2-Dichloroethene	ug/L	ND	5.0	06/18/14 16:44	
trans-1,3-Dichloropropene	ug/L	ND	5.0	06/18/14 16:44	
Trichloroethene	ug/L	ND	5.0	06/18/14 16:44	
Trichlorofluoromethane	ug/L	ND	5.0	06/18/14 16:44	
Vinyl chloride	ug/L	ND	2.0	06/18/14 16:44	
Xylene (Total)	ug/L	ND	10.0	06/18/14 16:44	
4-Bromofluorobenzene (S)	%.	88	80-114	06/18/14 16:44	
Dibromofluoromethane (S)	%.	103	79-116	06/18/14 16:44	
Toluene-d8 (S)	%.	97	81-110	06/18/14 16:44	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: E027039 / Allison Trans
Pace Project No.: 5098987

LABORATORY CONTROL SAMPLE: 1113313

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	21.1	105	69-126	
1,1,2,2-Tetrachloroethane	ug/L	20	19.6	98	46-157	
1,1,2-Trichloroethane	ug/L	20	20.5	102	52-150	
1,1-Dichloroethane	ug/L	20	19.9	99	59-155	
1,1-Dichloroethene	ug/L	20	18.9	95	1-234	
1,2-Dichlorobenzene	ug/L	20	19.3	96	18-190	
1,2-Dichloroethane	ug/L	20	18.6	93	49-155	
1,2-Dichloropropane	ug/L	20	19.6	98	1-210	
1,3-Dichlorobenzene	ug/L	20	18.6	93	59-156	
1,4-Dichlorobenzene	ug/L	20	19.9	99	18-190	
2-Chloroethylvinyl ether	ug/L	20	ND	84	1-305	
Benzene	ug/L	20	19.0	95	37-151	
Bromodichloromethane	ug/L	20	20.4	102	35-155	
Bromoform	ug/L	20	23.6	118	45-169	
Bromomethane	ug/L	20	20.5	102	1-242	
Carbon tetrachloride	ug/L	20	23.0	115	70-140	
Chlorobenzene	ug/L	20	19.0	95	37-160	
Chloroethane	ug/L	20	18.5	93	14-230	
Chloroform	ug/L	20	19.1	95	51-138	
Chloromethane	ug/L	20	17.1	85	1-273	
cis-1,3-Dichloropropene	ug/L	20	21.5	107	1-227	
Dibromochloromethane	ug/L	20	20.3	101	53-149	
Ethylbenzene	ug/L	20	19.2	96	37-162	
Methyl-tert-butyl ether	ug/L	40	38.1	95	66-130	
Methylene Chloride	ug/L	20	18.1	90	1-221	
Tetrachloroethene	ug/L	20	19.4	97	64-148	
Toluene	ug/L	20	18.6	93	47-150	
trans-1,2-Dichloroethene	ug/L	20	18.7	94	54-156	
trans-1,3-Dichloropropene	ug/L	20	23.5	117	17-183	
Trichloroethene	ug/L	20	19.6	98	71-157	
Trichlorofluoromethane	ug/L	20	19.6	98	17-181	
Vinyl chloride	ug/L	20	19.2	96	1-251	
Xylene (Total)	ug/L	60	57.3	96	77-123	
4-Bromofluorobenzene (S)	%.			96	80-114	
Dibromofluoromethane (S)	%.			99	79-116	
Toluene-d8 (S)	%.			100	81-110	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: E027039 / Allison Trans
Pace Project No.: 5098987

QC Batch: WET/48501
QC Batch Method: EPA 1664A
Associated Lab Samples: 5098987002

Analysis Method: EPA 1664A
Analysis Description: 1664 HEM, Oil and Grease

METHOD BLANK: 1395661
Matrix: Water
Associated Lab Samples:

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	5.0	06/17/14 14:47	

LABORATORY CONTROL SAMPLE: 1395662

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	35.3	88	78-114	

MATRIX SPIKE SAMPLE: 1395663

Parameter	Units	60171156001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	ND	40.4	33.1	77	78-114	M1

SAMPLE DUPLICATE: 1395664

Parameter	Units	60171154001 Result	Dup Result	RPD	Max RPD	Qualifiers
Oil and Grease	mg/L	47.0	42.9	9	18	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: E027039 / Allison Trans
Pace Project No.: 5098987

QC Batch: WET/48508
QC Batch Method: EPA 1664A
Associated Lab Samples: 5098987002

Analysis Method: EPA 1664A
Analysis Description: 1664 SGT-HEM, TPH

METHOD BLANK: 1395697
Associated Lab Samples:

Matrix: Water

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	5.0	06/17/14 16:02	

LABORATORY CONTROL SAMPLE: 1395698

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	20	22.4	112	64-132	

MATRIX SPIKE SAMPLE: 1395699

Parameter	Units	60171156001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	20.2	9.5	43	64-132	M1

SAMPLE DUPLICATE: 1395700

Parameter	Units	60171154001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	3.8J		34	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: E027039 / Allison Trans
Pace Project No.: 5098987

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

LOD - Limit of Detection.

LOQ - Limit of Quantitation.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-I	Pace Analytical Services - Indianapolis
PASI-K	Pace Analytical Services - Kansas City

ANALYTE QUALIFIERS

M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: E027039 / Allison Trans
Pace Project No.: 5098987

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
5098987001	**Outfall-004-Effluent (060914)**	EPA 624	MSV/65911		
5098987002	**Outfall-003 (060914)**	EPA 1664A	WET/48501		
5098987002	**Outfall-003 (060914)**	EPA 1664A	WET/48508		

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GM REALM ENCORE

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

PAGE 1 OF 1

ID # Nº 09468

SSOW Ref. Code: E027039

Required Client Information:

Company: Arcadis	Report To: E. Moosbrugger
Address: 132 E Washington St. #600	Copy To: S. Fisher
Indpls, IN 46207	Invoice To: Corporate
Phone: 317-231-6500	P.O.: IP000473.0019
Fax: x6514	Project Name: Wilson Trans
E-mail: Eric.Moosbrugger@Arcadis-US.com	Project Number: IN473.19

Laboratory: Pace Analytical	
Laboratory Location:	
Laboratory Contact:	
Requested Due Date:	TAT: Std.
QA/QC Requirements:	

Valid Matrix Codes: WG Groundwater; WB Borehole Water; WS Surface Water; SO Soil; SE Sediment; See Back for Additional Codes

Analysis and Method

Sample Identification:	Matrix Code	Date Collected	Time Collected	# Containers	Preservative: Unpreserved	HCl	H2SO4	HNO3	NaOH	Other:	VOCs 624	Oil/FFH 1664	Remarks/Lab ID
1. Outfall-004-Effluent (060914)	WT	9 Jun 14	1155	3		3					3		001
2. outfall-003 (060914)	WT	9 Jun 14	1215	2		2						2	2
3.													
4.													
5.													
6.													
7.													
8.													
9.													
10.													
11.													
12.													
13.													
14.													
15.													
TOTAL NUMBER OF CONTAINERS													

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY / AFFILIATION	DATE	TIME	RECEIVED BY / AFFILIATION	DATE	TIME
Hand	1	Chad Batrum / Arcadis	6/9/14	14:15	Carli Peacock	6-9-14	14:1
AIRBILL NO.							

Sample Condition

Temp in °C	4.6
Received on Ice	(Y) N
Sealed Cooler	Y (N)
Samples Intact	(Y) N

Additional Comments:

Sampler Name: Chad Batrum

Sampler Signature: Chad Batrum Date: 6/9/14

Distribution: WHITE - Fully Executed Copy YELLOW - Receiving Laboratory Copy PINK - Sampler Copy

REV. 0 (6/04)

Reference 23 Page 1350

5008987

Sample Condition Upon Receipt

Pace Analytical

Client Name: Arcadis Project # 5098987

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☑ Client ☐ Commercial ☐ Pace Other

Tracking #:

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☑ no

Date/Time 5035A kits placed in freezer:

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other

Thermometer Used: 1 2 3 4 5 6 A B C D E (6) Type of Ice: (Wet) Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature (Corrected, if applicable): 4.6°C Ice Visible in Sample Containers: ☐ yes ☑ no

Temp should be above freezing to 6°C

Comments:

Date and Initials of person examining contents: CAP 6-9-14

Chain of Custody Present:	☑Yes	☐No	☐N/A 1.
Chain of Custody Filled Out:	☑Yes	☐No	☐N/A 2.
Chain of Custody Relinquished:	☑Yes	☐No	☐N/A 3.
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A 4.
Short Hold Time Analysis (<72hr):	☐Yes	☑No	☐N/A 5.
Rush Turn Around Time Requested:	☐Yes	☑No	☐N/A 6.
Containers Intact:	☑Yes	☐No	☐N/A 7.
Sample Labels match COC: -Includes date/time/ID/Analysis	☑Yes	☐No	☐N/A 8.
All containers needing acid/base pres. have been checked? exceptions: VOA, coliform, TOC, O&G	☐Yes	☐No	☑N/A 9. (Circle) HNO3 H2SO4 NaOH HCl
All containers needing preservation are found to be in compliance with EPA recommendation (<2, >9, >12) unless otherwise noted.			
Headspace in VOA Vials (>6mm):	☐Yes	☑No	☐N/A 10.
Trip Blank Present:	☐Yes	☑No	☑N/A 11. CAP 6-9-14
Trip Blank Custody Seals Present	☐Yes	☐No	☑N/A
Project Manager Review			
Samples Arrived within Hold Time:	☑Yes	☐No	☐N/A 12.
Sufficient Volume:	☑Yes	☐No	☐N/A 13.
Correct Containers Used:	☑Yes	☐No	☐N/A 14.

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: Date/Time:

Comments/ Resolution:

Project Manager Review: Date: 6/9/14

Form F-IN-Q-290-rev.05, 10Sep2013

Sample Container Count

CLIENT: Arcadis

COC PAGE 1 of 1

COC ID# _____

Project # _____

Pace Analytical
www.pacelabs.com

Sample Line Item	DG9H	AG1U	WGFU	AG0U	R 4/6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	BP3C	BP1U	SPST	____	pH <2	pH>12	Comments
1	3																			
2													2							
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				

Container Codes

DG9H	40mL HCL amber voa vial	AG0U	100mL unpreserved amber gl	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber gla	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	I	Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber g	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber g	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gl	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

Pace Analytical Services, Inc.
1233 Dublin Road
Columbus, OH 43215
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

January 29, 2014

Ms. Susan Scrocchi
Conestoga-Rovers and Associates
2055 Niagara Falls Blvd
Suite 2
Niagara Falls, NY 14304

RE: Project: E027035 / Allison Trans
Pace Project No.: 5092376

Dear Ms. Scrocchi:
Enclosed are the analytical results for sample(s) received by the laboratory on January 15, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Donna S. Spyker

Donna Spyker
donna.spyker@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: E027035 / Allison Trans
Pace Project No.: 5092376

Indiana Certification IDs
7726 Moller Road, Indianapolis, IN 46268
Illinois Certification #: 200074
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky UST Certification #: 0042
Louisiana/NELAP Certification #: 04076
Ohio VAP Certification #: CL-0065
Pennsylvania Certification #: 68-04991
West Virginia Certification #: 330

Kansas Certification IDs
9608 Loiret Boulevard, Lenexa, KS 66219
WY STR Certification #: 2456.01
Arkansas Certification #: 13-012-0
Illinois Certification #: 003097
Iowa Certification #: 118
Kansas/NELAP Certification #: E-10116
Louisiana Certification #: 03055
Nevada Certification #: KS000212008A
Oklahoma Certification #: 9205/9935
Texas Certification #: T104704407-13-4
Utah Certification #: KS000212013-3
Illinois Certification #: 003097

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: E027035 / Allison Trans
Pace Project No.: 5092376

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5092376001	Outfall-004-Effluent (011514)	Water	01/15/14 15:00	01/15/14 16:00
5092376002	Outfall-003 (011514)	Water	01/15/14 15:30	01/15/14 16:00

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7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: E027035 / Allison Trans
Pace Project No.: 5092376

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
5092376001	**Outfall-004-Effluent (011514)**	EPA 624	RSW	36	PASI-I
5092376002	**Outfall-003 (011514)**	EPA 1664A	DJR	1	PASI-K
		EPA 1664A	DJR	1	PASI-K

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ANALYTICAL RESULTS

Project: E027035 / Allison Trans
Pace Project No.: 5092376

Sample: Outfall-004-Effluent (011514) **Lab ID: 5092376001** Collected: 01/15/14 15:00 Received: 01/15/14 16:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624 Volatile Organics	Analytical Method: EPA 624							
Benzene	ND	ug/L	5.0	1		01/17/14 08:03	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		01/17/14 08:03	75-27-4	
Bromoform	ND	ug/L	5.0	1		01/17/14 08:03	75-25-2	
Bromomethane	ND	ug/L	5.0	1		01/17/14 08:03	74-83-9	
Carbon tetrachloride	ND	ug/L	5.0	1		01/17/14 08:03	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		01/17/14 08:03	108-90-7	
Chloroethane	ND	ug/L	5.0	1		01/17/14 08:03	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	50.0	1		01/17/14 08:03	110-75-8	
Chloroform	ND	ug/L	5.0	1		01/17/14 08:03	67-66-3	
Chloromethane	ND	ug/L	5.0	1		01/17/14 08:03	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		01/17/14 08:03	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		01/17/14 08:03	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		01/17/14 08:03	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		01/17/14 08:03	106-46-7	
1,1-Dichloroethane	ND	ug/L	5.0	1		01/17/14 08:03	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		01/17/14 08:03	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		01/17/14 08:03	75-35-4	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		01/17/14 08:03	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		01/17/14 08:03	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		01/17/14 08:03	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		01/17/14 08:03	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		01/17/14 08:03	100-41-4	
Methylene Chloride	ND	ug/L	5.0	1		01/17/14 08:03	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	5.0	1		01/17/14 08:03	1634-04-4	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		01/17/14 08:03	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		01/17/14 08:03	127-18-4	
Toluene	ND	ug/L	5.0	1		01/17/14 08:03	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		01/17/14 08:03	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		01/17/14 08:03	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		01/17/14 08:03	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		01/17/14 08:03	75-69-4	
Vinyl chloride	ND	ug/L	2.0	1		01/17/14 08:03	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		01/17/14 08:03	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	96	%.	79-116	1		01/17/14 08:03	1868-53-7	
4-Bromofluorobenzene (S)	97	%.	80-114	1		01/17/14 08:03	460-00-4	
Toluene-d8 (S)	100	%.	81-110	1		01/17/14 08:03	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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Columbus, OH 43215
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: E027035 / Allison Trans
Pace Project No.: 5092376

Sample: Outfall-003 (011514) **Lab ID: 5092376002** Collected: 01/15/14 15:30 Received: 01/15/14 16:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
HEM, Oil and Grease	Analytical Method: EPA 1664A							
Oil and Grease	**0.82J**	mg/L	5.0	1		01/28/14 08:16		
1664 SGT-HEM, TPH	Analytical Method: EPA 1664A							
Total Petroleum Hydrocarbons	ND	mg/L	5.0	1		01/28/14 08:20		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: E027035 / Allison Trans
Pace Project No.: 5092376

QC Batch: MSV/61120
QC Batch Method: EPA 624
Analysis Method: EPA 624
Analysis Description: 624 MSV
Associated Lab Samples: 5092376001

METHOD BLANK: 1040133
Matrix: Water
Associated Lab Samples: 5092376001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	01/17/14 02:58	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	01/17/14 02:58	
1,1,2-Trichloroethane	ug/L	ND	5.0	01/17/14 02:58	
1,1-Dichloroethane	ug/L	ND	5.0	01/17/14 02:58	
1,1-Dichloroethene	ug/L	ND	5.0	01/17/14 02:58	
1,2-Dichlorobenzene	ug/L	ND	5.0	01/17/14 02:58	
1,2-Dichloroethane	ug/L	ND	5.0	01/17/14 02:58	
1,2-Dichloropropane	ug/L	ND	5.0	01/17/14 02:58	
1,3-Dichlorobenzene	ug/L	ND	5.0	01/17/14 02:58	
1,4-Dichlorobenzene	ug/L	ND	5.0	01/17/14 02:58	
2-Chloroethylvinyl ether	ug/L	ND	50.0	01/17/14 02:58	
Benzene	ug/L	ND	5.0	01/17/14 02:58	
Bromodichloromethane	ug/L	ND	5.0	01/17/14 02:58	
Bromoform	ug/L	ND	5.0	01/17/14 02:58	
Bromomethane	ug/L	ND	5.0	01/17/14 02:58	
Carbon tetrachloride	ug/L	ND	5.0	01/17/14 02:58	
Chlorobenzene	ug/L	ND	5.0	01/17/14 02:58	
Chloroethane	ug/L	ND	5.0	01/17/14 02:58	
Chloroform	ug/L	ND	5.0	01/17/14 02:58	
Chloromethane	ug/L	ND	5.0	01/17/14 02:58	
cis-1,3-Dichloropropene	ug/L	ND	5.0	01/17/14 02:58	
Dibromochloromethane	ug/L	ND	5.0	01/17/14 02:58	
Ethylbenzene	ug/L	ND	5.0	01/17/14 02:58	
Methyl-tert-butyl ether	ug/L	ND	5.0	01/17/14 02:58	
Methylene Chloride	ug/L	ND	5.0	01/17/14 02:58	
Tetrachloroethene	ug/L	ND	5.0	01/17/14 02:58	
Toluene	ug/L	ND	5.0	01/17/14 02:58	
trans-1,2-Dichloroethene	ug/L	ND	5.0	01/17/14 02:58	
trans-1,3-Dichloropropene	ug/L	ND	5.0	01/17/14 02:58	
Trichloroethene	ug/L	ND	5.0	01/17/14 02:58	
Trichlorofluoromethane	ug/L	ND	5.0	01/17/14 02:58	
Vinyl chloride	ug/L	ND	2.0	01/17/14 02:58	
Xylene (Total)	ug/L	ND	10.0	01/17/14 02:58	
4-Bromofluorobenzene (S)	%.	99	80-114	01/17/14 02:58	
Dibromofluoromethane (S)	%.	96	79-116	01/17/14 02:58	
Toluene-d8 (S)	%.	102	81-110	01/17/14 02:58	

LABORATORY CONTROL SAMPLE: 1040134

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	18.1	90	69-126	

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QUALITY CONTROL DATA

Project: E027035 / Allison Trans
Pace Project No.: 5092376

LABORATORY CONTROL SAMPLE: 1040134

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,2,2-Tetrachloroethane	ug/L	20	19.0	95	46-157	
1,1,2-Trichloroethane	ug/L	20	19.3	96	52-150	
1,1-Dichloroethane	ug/L	20	18.7	93	59-155	
1,1-Dichloroethene	ug/L	20	18.7	94	1-234	
1,2-Dichlorobenzene	ug/L	20	18.1	90	18-190	
1,2-Dichloroethane	ug/L	20	18.0	90	49-155	
1,2-Dichloropropane	ug/L	20	18.9	94	1-210	
1,3-Dichlorobenzene	ug/L	20	18.3	91	59-156	
1,4-Dichlorobenzene	ug/L	20	17.8	89	18-190	
2-Chloroethylvinyl ether	ug/L	20	ND	99	1-305	
Benzene	ug/L	20	18.0	90	37-151	
Bromodichloromethane	ug/L	20	19.6	98	35-155	
Bromoform	ug/L	20	16.4	82	45-169	
Bromomethane	ug/L	20	62.4	312	1-242	L3
Carbon tetrachloride	ug/L	20	19.6	98	70-140	
Chlorobenzene	ug/L	20	17.9	89	37-160	
Chloroethane	ug/L	20	19.8	99	14-230	
Chloroform	ug/L	20	19.1	95	51-138	
Chloromethane	ug/L	20	19.4	97	1-273	
cis-1,3-Dichloropropene	ug/L	20	18.7	94	1-227	
Dibromochloromethane	ug/L	20	16.3	81	53-149	
Ethylbenzene	ug/L	20	18.0	90	37-162	
Methyl-tert-butyl ether	ug/L	40	40.3	101	66-130	
Methylene Chloride	ug/L	20	18.6	93	1-221	
Tetrachloroethene	ug/L	20	17.6	88	64-148	
Toluene	ug/L	20	17.6	88	47-150	
trans-1,2-Dichloroethene	ug/L	20	18.1	90	54-156	
trans-1,3-Dichloropropene	ug/L	20	17.3	86	17-183	
Trichloroethene	ug/L	20	18.1	90	71-157	
Trichlorofluoromethane	ug/L	20	21.3	107	17-181	
Vinyl chloride	ug/L	20	18.8	94	1-251	
Xylene (Total)	ug/L	60	57.2	95	77-123	
4-Bromofluorobenzene (S)	%.			100	80-114	
Dibromofluoromethane (S)	%.			100	79-116	
Toluene-d8 (S)	%.			100	81-110	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: E027035 / Allison Trans
Pace Project No.: 5092376

QC Batch: WET/45821
QC Batch Method: EPA 1664A
Associated Lab Samples: 5092376002

Analysis Method: EPA 1664A
Analysis Description: 1664 HEM, Oil and Grease

METHOD BLANK: 1322836
Matrix: Water
Associated Lab Samples:

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	5.0	01/28/14 08:14	

LABORATORY CONTROL SAMPLE: 1322837

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	40.2	100	78-114	

MATRIX SPIKE SAMPLE: 1322838

Parameter	Units	60161141002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	12.4	47.6	71.5	124	78-114	M1

SAMPLE DUPLICATE: 1322839

Parameter	Units	5092376002 Result	Dup Result	RPD	Max RPD	Qualifiers
Oil and Grease	mg/L	0.82J	1.0J		18	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: E027035 / Allison Trans
Pace Project No.: 5092376

QC Batch: WET/45822
QC Batch Method: EPA 1664A
Analysis Method: EPA 1664A
Analysis Description: 1664 SGT-HEM, TPH
Associated Lab Samples: 5092376002

METHOD BLANK: 1322840
Matrix: Water
Associated Lab Samples:

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	5.0	01/28/14 08:20	

LABORATORY CONTROL SAMPLE: 1322841

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	20	21.0	105	64-132	

MATRIX SPIKE SAMPLE: 1322842

Parameter	Units	60161141002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	23.8	30.5	122	64-132	

SAMPLE DUPLICATE: 1322843

Parameter	Units	5092376002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	1.3J		34	

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: E027035 / Allison Trans
Pace Project No.: 5092376

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-I	Pace Analytical Services - Indianapolis
PASI-K	Pace Analytical Services - Kansas City

ANALYTE QUALIFIERS

L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: E027035 / Allison Trans
Pace Project No.: 5092376

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
5092376001	**Outfall-004-Effluent (011514)**	EPA 624	MSV/61120		
5092376002	**Outfall-003 (011514)**	EPA 1664A	WET/45821		
5092376002	**Outfall-003 (011514)**	EPA 1664A	WET/45822		

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GM REALM ENCORE

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

PAGE 1 OF 1

ID # Nº 09483

SSOW Ref. Code: E027035

Required Client Information:

Company: Arcadis	Report To: E. Moosbrugger
Address: 132 E Washington St #400	Copy To: S Fisler
	Invoice To: Corporate
Indpls, IN 46207	P.O.: IN000473.0019
Phone: 317-231-6500	Project Name: Allison Trans
Fax: 6514	Project Number: IN473.19
E-mail: Eric.Moosbrugger@Arcadis-US.com	

Laboratory: Pace Analytical	
Laboratory Location: Indpls	
Laboratory Contact:	
Requested Due Date:	TAT: Std.
QA/QC Requirements:	

Valid Matrix Codes: WG Groundwater; WB Borehole Water; WS Surface Water; SO Soil; SE Sediment; See Back for Additional Codes

	Sample Identification:	Matrix Code	Date Collected	Time Collected	# Containers	Preservative: Unpreserved	HCl	H2SO4	HNO3	NaOH	Other:	Analysis and Method: VOCs 624	O&G/TPH										Remarks/Lab ID
1.	Outfall-004-Effluent (011514)	WT	15Jan14	1500	3		3					3											001
2.	Outfall-003 (011514)	WT	15Jan14	1530	2		2						2										002
3.																							
4.																							
5.																							
6.																							
7.																							
8.																							
9.																							
10.																							
11.																							
12.																							
13.																							
14.																							
15.																							
	TOTAL NUMBER OF CONTAINERS																						

5092376

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY / AFFILIATION	DATE	TIME	RECEIVED BY / AFFILIATION	DATE	TIME
Hand	1	[signature] / Arcadis	1/15/14	16:00	Kathy Eckl / Pace	1/15/14	1600
AIRBILL NO.							

Sample Condition

Temp in °C	3.1
Received on Ice	(Y) / N
Sealed Cooler	Y / (N)
Samples Intact	(Y) / N

Additional Comments:

WI Client

Sampler Name: Chad Butrum

Sampler Signature: [signature] Date: 1/15/14

Distribution: WHITE - Fully Executed Copy YELLOW - Receiving Laboratory Copy PINK - Sampler Copy

REV. 0 (6/04)

Reference 23 Page 1365

Sample Condition Upon Receipt

Pace Analytical

Client Name: Arcadis Project # 50923776

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☒ Client ☐ Commercial ☐ Pace Other _____

Tracking #: _____

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals Intact: ☐ yes ☐ no

Date/Time 5035A kits placed in freezer: _____

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other _____

Thermometer Used 1 2 3 4 6 A B C D E Type of Ice: Wet Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature (Corrected, if applicable) 3.1 °C Ice Visible in Sample Containers: ☐ yes ☒ no

Temp should be above freezing to 6°C

Comments:

Date and Initials of person examining contents: KDO 1-15-14

Chain of Custody Present:	☑Yes	☐No	☐N/A	1.
Chain of Custody Filled Out:	☑Yes	☐No	☐N/A	2.
Chain of Custody Relinquished:	☑Yes	☐No	☐N/A	3.
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A	4. KDO 1-15-14
Short Hold Time Analysis (<72hr):	☐Yes	☑No	☐N/A	5.
Rush Turn Around Time Requested:	☐Yes	☑No	☐N/A	6.
Containers Intact:	☑Yes	☐No	☐N/A	7.
Sample Labels match COC: -Includes date/time/ID/Analysis	☑Yes	☐No	☐N/A	8.
All containers needing acid/base pres. have been checked? exceptions: VOA, coliform, TOC, O&G	☐Yes	☐No	☑N/A	9. (Circle) HNO3 H2SO4 NaOH HCl
All containers needing preservation are found to be in compliance with EPA recommendation (<2, >9, >12) unless otherwise noted.				
Headspace in VOA Vials (>6mm):	☐Yes	☑No	☐N/A	10.
Trip Blank Present:	☐Yes	☑No	☐N/A	11.
Trip Blank Custody Seals Present	☐Yes	☐No	☑N/A	
Project Manager Review				
Samples Arrived within Hold Time:	☑Yes	☐No	☐N/A	12.
Sufficient Volume:	☑Yes	☐No	☐N/A	13.
Correct Containers Used:	☑Yes	☐No	☐N/A	14.

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: K. Grimes **Date:** 1-15-14

Sample Container Count

CLIENT: Arcadis

COC PAGE 1 of 1
COC ID# 09483

Project # 5092376

Sample Line Item	DG9H	AG1U	WGFU	AG0U	R	4 / 6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H			pH <2	pH>12	Comments
1	3																		
2														2					
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

Container Codes

DG9H	40mL HCL amber voa vial	AG0U	100mL unpreserved amber gl	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber gla	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	I	Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber g	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber g	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gl	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

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7726 Moller Road
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February 20, 2014

Ms. Susan Scrocchi
Conestoga-Rovers and Associates
2055 Niagara Falls Blvd
Suite 2
Niagara Falls, NY 14304

RE: Project: E027035 / Allison Trans
Pace Project No.: 5093106

Dear Ms. Scrocchi:
Enclosed are the analytical results for sample(s) received by the laboratory on February 06, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Donna S. Spyker

Donna Spyker
donna.spyker@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: E027035 / Allison Trans
Pace Project No.: 5093106

Indiana Certification IDs
7726 Moller Road, Indianapolis, IN 46268
Illinois Certification #: 200074
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky UST Certification #: 0042
Louisiana/NELAP Certification #: 04076
Ohio VAP Certification #: CL-0065
Pennsylvania Certification #: 68-04991
West Virginia Certification #: 330

Kansas Certification IDs
9608 Loiret Boulevard, Lenexa, KS 66219
WY STR Certification #: 2456.01
Arkansas Certification #: 13-012-0
Illinois Certification #: 003097
Iowa Certification #: 118
Kansas/NELAP Certification #: E-10116
Louisiana Certification #: 03055
Nevada Certification #: KS000212008A
Oklahoma Certification #: 9205/9935
Texas Certification #: T104704407-13-4
Utah Certification #: KS000212013-3
Illinois Certification #: 003097

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Indianapolis, IN 46268
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SAMPLE SUMMARY

Project: E027035 / Allison Trans
Pace Project No.: 5093106

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5093106001	Outfall-004-Effluent(020614)	Water	02/06/14 11:00	02/06/14 14:57
5093106002	Outfall-003(020614)	Water	02/06/14 13:00	02/06/14 14:57

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SAMPLE ANALYTE COUNT

Project: E027035 / Allison Trans
Pace Project No.: 5093106

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
5093106001	**Outfall-004-Effluent(020614)**	EPA 624	ALA	36	PASI-I
5093106002	**Outfall-003(020614)**	EPA 1664A	DJR	1	PASI-K
		EPA 1664A	DJR	1	PASI-K

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ANALYTICAL RESULTS

Project: E027035 / Allison Trans
Pace Project No.: 5093106

Sample: Outfall-004-Effluent(020614) **Lab ID: 5093106001** Collected: 02/06/14 11:00 Received: 02/06/14 14:57 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624 Volatile Organics	Analytical Method: EPA 624							
Benzene	ND	ug/L	5.0	1		02/06/14 18:58	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		02/06/14 18:58	75-27-4	
Bromoform	ND	ug/L	5.0	1		02/06/14 18:58	75-25-2	
Bromomethane	ND	ug/L	5.0	1		02/06/14 18:58	74-83-9	
Carbon tetrachloride	ND	ug/L	5.0	1		02/06/14 18:58	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		02/06/14 18:58	108-90-7	
Chloroethane	ND	ug/L	5.0	1		02/06/14 18:58	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	50.0	1		02/06/14 18:58	110-75-8	
Chloroform	ND	ug/L	5.0	1		02/06/14 18:58	67-66-3	
Chloromethane	ND	ug/L	5.0	1		02/06/14 18:58	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		02/06/14 18:58	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		02/06/14 18:58	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		02/06/14 18:58	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		02/06/14 18:58	106-46-7	
1,1-Dichloroethane	ND	ug/L	5.0	1		02/06/14 18:58	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		02/06/14 18:58	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		02/06/14 18:58	75-35-4	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		02/06/14 18:58	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		02/06/14 18:58	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		02/06/14 18:58	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		02/06/14 18:58	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		02/06/14 18:58	100-41-4	
Methylene Chloride	ND	ug/L	5.0	1		02/06/14 18:58	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	5.0	1		02/06/14 18:58	1634-04-4	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		02/06/14 18:58	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		02/06/14 18:58	127-18-4	
Toluene	ND	ug/L	5.0	1		02/06/14 18:58	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		02/06/14 18:58	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		02/06/14 18:58	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		02/06/14 18:58	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		02/06/14 18:58	75-69-4	
Vinyl chloride	ND	ug/L	2.0	1		02/06/14 18:58	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		02/06/14 18:58	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101	%.	79-116	1		02/06/14 18:58	1868-53-7	
4-Bromofluorobenzene (S)	104	%.	80-114	1		02/06/14 18:58	460-00-4	
Toluene-d8 (S)	97	%.	81-110	1		02/06/14 18:58	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: E027035 / Allison Trans
Pace Project No.: 5093106

Sample: Outfall-003(020614) **Lab ID: 5093106002** Collected: 02/06/14 13:00 Received: 02/06/14 14:57 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
HEM, Oil and Grease	Analytical Method: EPA 1664A							
Oil and Grease	**0.93J**	mg/L	5.0	1		02/18/14 15:15		B
1664 SGT-HEM, TPH	Analytical Method: EPA 1664A							
Total Petroleum Hydrocarbons	**3.0J**	mg/L	5.0	1		02/20/14 07:05		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: E027035 / Allison Trans
Pace Project No.: 5093106

QC Batch: MSV/61542
QC Batch Method: EPA 624
Analysis Method: EPA 624
Analysis Description: 624 MSV
Associated Lab Samples: 5093106001

METHOD BLANK: 1046229
Matrix: Water
Associated Lab Samples: 5093106001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	02/06/14 18:31	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	02/06/14 18:31	
1,1,2-Trichloroethane	ug/L	ND	5.0	02/06/14 18:31	
1,1-Dichloroethane	ug/L	ND	5.0	02/06/14 18:31	
1,1-Dichloroethene	ug/L	ND	5.0	02/06/14 18:31	
1,2-Dichlorobenzene	ug/L	ND	5.0	02/06/14 18:31	
1,2-Dichloroethane	ug/L	ND	5.0	02/06/14 18:31	
1,2-Dichloropropane	ug/L	ND	5.0	02/06/14 18:31	
1,3-Dichlorobenzene	ug/L	ND	5.0	02/06/14 18:31	
1,4-Dichlorobenzene	ug/L	ND	5.0	02/06/14 18:31	
2-Chloroethylvinyl ether	ug/L	ND	50.0	02/06/14 18:31	
Benzene	ug/L	ND	5.0	02/06/14 18:31	
Bromodichloromethane	ug/L	ND	5.0	02/06/14 18:31	
Bromoform	ug/L	ND	5.0	02/06/14 18:31	
Bromomethane	ug/L	ND	5.0	02/06/14 18:31	
Carbon tetrachloride	ug/L	ND	5.0	02/06/14 18:31	
Chlorobenzene	ug/L	ND	5.0	02/06/14 18:31	
Chloroethane	ug/L	ND	5.0	02/06/14 18:31	
Chloroform	ug/L	ND	5.0	02/06/14 18:31	
Chloromethane	ug/L	ND	5.0	02/06/14 18:31	
cis-1,3-Dichloropropene	ug/L	ND	5.0	02/06/14 18:31	
Dibromochloromethane	ug/L	ND	5.0	02/06/14 18:31	
Ethylbenzene	ug/L	ND	5.0	02/06/14 18:31	
Methyl-tert-butyl ether	ug/L	ND	5.0	02/06/14 18:31	
Methylene Chloride	ug/L	ND	5.0	02/06/14 18:31	
Tetrachloroethene	ug/L	ND	5.0	02/06/14 18:31	
Toluene	ug/L	ND	5.0	02/06/14 18:31	
trans-1,2-Dichloroethene	ug/L	ND	5.0	02/06/14 18:31	
trans-1,3-Dichloropropene	ug/L	ND	5.0	02/06/14 18:31	
Trichloroethene	ug/L	ND	5.0	02/06/14 18:31	
Trichlorofluoromethane	ug/L	ND	5.0	02/06/14 18:31	
Vinyl chloride	ug/L	ND	2.0	02/06/14 18:31	
Xylene (Total)	ug/L	ND	10.0	02/06/14 18:31	
4-Bromofluorobenzene (S)	%.	102	80-114	02/06/14 18:31	
Dibromofluoromethane (S)	%.	102	79-116	02/06/14 18:31	
Toluene-d8 (S)	%.	97	81-110	02/06/14 18:31	

LABORATORY CONTROL SAMPLE: 1046230

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	19.5	97	69-126	

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.
1233 Dublin Road
Columbus, OH 43215
(614)486-5421

Pace Analytical Services, Inc.
6726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: E027035 / Allison Trans
Pace Project No.: 5093106

LABORATORY CONTROL SAMPLE: 1046230

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,2,2-Tetrachloroethane	ug/L	20	18.0	90	46-157	
1,1,2-Trichloroethane	ug/L	20	19.1	96	52-150	
1,1-Dichloroethane	ug/L	20	20.2	101	59-155	
1,1-Dichloroethene	ug/L	20	20.8	104	1-234	
1,2-Dichlorobenzene	ug/L	20	18.7	94	18-190	
1,2-Dichloroethane	ug/L	20	19.7	98	49-155	
1,2-Dichloropropane	ug/L	20	19.0	95	1-210	
1,3-Dichlorobenzene	ug/L	20	18.6	93	59-156	
1,4-Dichlorobenzene	ug/L	20	18.6	93	18-190	
2-Chloroethylvinyl ether	ug/L	20	23.2J	116	1-305	
Benzene	ug/L	20	20.5	102	37-151	
Bromodichloromethane	ug/L	20	18.8	94	35-155	
Bromoform	ug/L	20	18.2	91	45-169	
Bromomethane	ug/L	20	14.0	70	1-242	
Carbon tetrachloride	ug/L	20	18.3	91	70-140	
Chlorobenzene	ug/L	20	19.6	98	37-160	
Chloroethane	ug/L	20	18.3	91	14-230	
Chloroform	ug/L	20	20.8	104	51-138	
Chloromethane	ug/L	20	19.0	95	1-273	
cis-1,3-Dichloropropene	ug/L	20	16.0	80	1-227	
Dibromochloromethane	ug/L	20	16.3	81	53-149	
Ethylbenzene	ug/L	20	19.5	98	37-162	
Methyl-tert-butyl ether	ug/L	40	40.3	101	66-130	
Methylene Chloride	ug/L	20	25.3	127	1-221	
Tetrachloroethene	ug/L	20	19.3	97	64-148	
Toluene	ug/L	20	19.7	98	47-150	
trans-1,2-Dichloroethene	ug/L	20	20.1	101	54-156	
trans-1,3-Dichloropropene	ug/L	20	16.2	81	17-183	
Trichloroethene	ug/L	20	20.0	100	71-157	
Trichlorofluoromethane	ug/L	20	19.5	97	17-181	
Vinyl chloride	ug/L	20	19.0	95	1-251	
Xylene (Total)	ug/L	60	59.5	99	77-123	
4-Bromofluorobenzene (S)	%.			101	80-114	
Dibromofluoromethane (S)	%.			101	79-116	
Toluene-d8 (S)	%.			100	81-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1046231 1046232

Parameter	Units	5093089004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	ND	20	20	21.5	21.2	107	106	37-136	1	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20	20.7	20.5	103	103	46-157	1	20	
1,1,2-Trichloroethane	ug/L	ND	20	20	22.3	22.4	111	112	52-150	0	20	
1,1-Dichloroethane	ug/L	ND	20	20	22.6	22.3	113	111	59-155	1	20	
1,1-Dichloroethene	ug/L	ND	20	20	23.2	22.9	116	115	1-234	1	20	
1,2-Dichlorobenzene	ug/L	ND	20	20	21.5	21.3	107	107	18-190	1	20	
1,2-Dichloroethane	ug/L	ND	20	20	22.4	22.3	112	112	49-155	0	20	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: E027035 / Allison Trans
Pace Project No.: 5093106

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1046231 1046232

Parameter	Units	5093089004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloropropane	ug/L	ND	20	20	21.6	21.5	108	108	1-210	0	20	
1,3-Dichlorobenzene	ug/L	ND	20	20	20.9	21.0	104	105	59-156	1	20	
1,4-Dichlorobenzene	ug/L	ND	20	20	20.7	20.6	104	103	18-190	1	20	
2-Chloroethylvinyl ether	ug/L	ND	20	20	ND	ND	0	0	1-305		20	M0
Benzene	ug/L	ND	20	20	23.2	23.0	116	115	37-151	1	20	
Bromodichloromethane	ug/L	ND	20	20	21.4	21.5	107	107	35-155	0	20	
Bromoform	ug/L	ND	20	20	19.7	20.0	99	100	45-169	1	20	
Bromomethane	ug/L	ND	20	20	11.1	11.9	55	60	1-242	7	20	
Carbon tetrachloride	ug/L	ND	20	20	20.5	20.4	102	102	70-140	0	20	
Chlorobenzene	ug/L	ND	20	20	22.1	22.0	111	110	37-160	1	20	
Chloroethane	ug/L	ND	20	20	20.9	21.1	104	106	14-230	1	20	
Chloroform	ug/L	ND	20	20	23.6	23.3	118	117	51-138	1	20	
Chloromethane	ug/L	ND	20	20	30.1	27.8	150	139	1-273	8	20	
cis-1,3-Dichloropropene	ug/L	ND	20	20	18.1	18.0	90	90	1-227	0	20	
Dibromochloromethane	ug/L	ND	20	20	18.3	18.1	91	91	53-149	1	20	
Ethylbenzene	ug/L	ND	20	20	21.4	22.0	107	110	37-162	2	20	
Methyl-tert-butyl ether	ug/L	ND	40	40	47.7	46.7	119	117	39-158	2	20	
Methylene Chloride	ug/L	12.3	20	20	32.9	27.9	103	78	1-221	17	20	
Tetrachloroethene	ug/L	ND	20	20	21.9	22.0	109	110	64-148	1	20	
Toluene	ug/L	ND	20	20	22.4	22.2	111	110	47-150	1	20	
trans-1,2-Dichloroethene	ug/L	ND	20	20	22.2	22.3	111	111	54-156	0	20	
trans-1,3-Dichloropropene	ug/L	ND	20	20	18.1	17.9	91	89	17-183	1	20	
Trichloroethene	ug/L	ND	20	20	22.5	22.5	113	113	71-157	0	20	
Trichlorofluoromethane	ug/L	ND	20	20	22.0	21.8	110	109	17-181	1	20	
Vinyl chloride	ug/L	ND	20	20	20.9	20.6	105	103	1-251	2	20	
Xylene (Total)	ug/L	ND	60	60	65.2	65.6	109	109	28-158	1	20	
4-Bromofluorobenzene (S)	%.						101	101	80-114		20	
Dibromofluoromethane (S)	%.						98	100	79-116		20	
Toluene-d8 (S)	%.						100	99	81-110		20	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: E027035 / Allison Trans
Pace Project No.: 5093106

QC Batch: WET/46195
QC Batch Method: EPA 1664A
Analysis Method: EPA 1664A
Analysis Description: 1664 HEM, Oil and Grease
Associated Lab Samples: 5093106002

METHOD BLANK: 1331404
Matrix: Water
Associated Lab Samples:

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	0.80J	5.0	02/18/14 15:13	

LABORATORY CONTROL SAMPLE: 1331405

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	36.2	90	78-114	

MATRIX SPIKE SAMPLE: 1331406

Parameter	Units	5093106002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	0.93J	44.4	44.2	97	78-114	

SAMPLE DUPLICATE: 1331407

Parameter	Units	60162579001 Result	Dup Result	RPD	Max RPD	Qualifiers
Oil and Grease	mg/L	ND	2.5J		18	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: E027035 / Allison Trans
Pace Project No.: 5093106

QC Batch: WET/46216
QC Batch Method: EPA 1664A
Associated Lab Samples: 5093106002

Analysis Method: EPA 1664A
Analysis Description: 1664 SGT-HEM, TPH

METHOD BLANK: 1332178
Associated Lab Samples:

Matrix: Water

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	5.0	02/20/14 07:05	

LABORATORY CONTROL SAMPLE: 1332179

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	20	22.2	111	64-132	

MATRIX SPIKE SAMPLE: 1332180

Parameter	Units	5093106002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	3.0J	22.2	18.1	68	64-132	

SAMPLE DUPLICATE: 1332181

Parameter	Units	60162579001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	4.5J		34	

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: E027035 / Allison Trans
Pace Project No.: 5093106

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-I	Pace Analytical Services - Indianapolis
PASI-K	Pace Analytical Services - Kansas City

ANALYTE QUALIFIERS

B	Analyte was detected in the associated method blank.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: E027035 / Allison Trans
Pace Project No.: 5093106

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
5093106001	**Outfall-004-Effluent(020614)**	EPA 624	MSV/61542		
5093106002	**Outfall-003(020614)**	EPA 1664A	WET/46195		
5093106002	**Outfall-003(020614)**	EPA 1664A	WET/46216		

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GM REALM ENCORE

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately

√TMS

PAGE 1 OF 1

ID # № 09484

SSOW Ref. Code: E027035

Required Client Information:

Company: Arcadis	Report To: E. Moosbrugger
Address: 132 E. Washington St. #600	Copy To: S. Fisher
	Invoice To: Corporate
Indpls, IN 46204	P.O.: IN 000473.0019
Phone: 317-231-6500	Project Name: Allison Trans
Fax: x6514	Project Number: IN473.19
E-mail: Eric.Moosbrugger@Arcadis-us.com	

Laboratory: PACE ANALYTICAL	
Laboratory Location: Indpls	
Laboratory Contact:	
Requested Due Date:	TAT: std.
QA/QC Requirements:	

Valid Matrix Codes:
WG Groundwater
WB Borehole Water
WS Surface Water
SO Soil
SE Sediment
See Back for Additional Codes

Preservative

Analysis and Method

5093106

	Sample Identification:	Matrix Code	Date Collected	Time Collected	# Containers	Unpreserved	HCl	H2SO4	HNO3	NaOH	Other:	VOCs 624	O&G/TPH										Remarks/Lab ID
1.	Outfall-004-Effluent (020614)	WT	6 Feb 14	1100	3		3					3											001
2.	Outfall-003 (020614)	WT	6 Feb 14	1300	2		2						2										002
3.																							
4.																							
5.																							
6.																							
7.																							
8.																							
9.																							
10.																							
11.																							
12.																							
13.																							
14.																							
15.																							
	TOTAL NUMBER OF CONTAINERS																						

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY / AFFILIATION	DATE	TIME	RECEIVED BY / AFFILIATION	DATE	TIME
HAND	1	[signature] / ARCADIS	2/6/14	1457	Kathy Eck / Pace	2/6/14	1457
AIRBILL NO.							

Sample Condition

Temp in °C	1.4
Received on Ice	(Y) / N
Sealed Cooler	Y / (N)
Samples Intact	(Y) / N

Additional Comments: WF / Client

Sampler Name: CHAD BUTRUM

Sampler Signature: [signature] Date: 2/6/14

Distribution: WHITE - Fully Executed Copy YELLOW - Receiving Laboratory Copy PINK - Sampler Copy

REV. 0 (6/04)

Reference 23 Page 1381

Sample Condition Upon Receipt

Pace Analytical

Client Name: Arcadis Project # 6093106

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☒ Client ☐ Commercial ☐ Pace Other _____

Tracking #: _____

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Date/Time 5035A kits placed in freezer: _____

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other _____

Thermometer Used: 1 2 3 4 6 A B C D (E) Type of Ice: (Wet) Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature (Corrected, if applicable): 1.4°C Ice Visible in Sample Containers: ☐ yes ☒ no

Temp should be above freezing to 6°C

Date and initials of person examining contents: KLL 2-6-14

			Comments:
Chain of Custody Present:	☒Yes	☐No ☐N/A	1.
Chain of Custody Filled Out:	☒Yes	☐No ☐N/A	2.
Chain of Custody Relinquished:	☒Yes	☐No ☐N/A	3.
Sampler Name & Signature on COC:	☒Yes	☐No ☐N/A	4.
Short Hold Time Analysis (<72hr):	☐Yes	☒No ☐N/A	5.
Rush Turn Around Time Requested:	☐Yes	☒No ☐N/A	6.
Containers Intact:	☒Yes	☐No ☐N/A	7.
Sample Labels match COC: -Includes date/time/ID/Analysis	☒Yes	☐No ☐N/A	8.
All containers needing acid/base pres. have been checked? exceptions: VOA, coliform, TOC, O&G	☐Yes	☐No ☒N/A	9. (Circle) HNO3 H2SO4 NaOH HCl
All containers needing preservation are found to be in compliance with EPA recommendation (<2, >9, >12) unless otherwise noted.			
Headspace in VOA Vials (>6mm):	☐Yes	☒No ☐N/A	10.
Trip Blank Present:	☐Yes	☒No ☐N/A	11.
Trip Blank Custody Seals Present	☐Yes	☐No ☒N/A	
Project Manager Review			
Samples Arrived within Hold Time:	☒Yes	☐No ☐N/A	12.
Sufficient Volume:	☒Yes	☐No ☐N/A	13.
Correct Containers Used:	☒Yes	☐No ☐N/A	14.

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ **Date:** 2/6/14

Form F-IN-Q-290-rev.05, 10Sep2013

Sample Container Count

CLIENT: Arcadis

COC PAGE 1 of 1
COC ID# 09484

Project # 609306

Pace Analytical
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Sample Line Item	DG9H	AG1U	WGFU	AG0U	R	4 / 6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H			pH <2	pH>12	Comments
1	3																		
2														2					
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

Container Codes

DG9H	40mL HCL amber voa vial	AG0U	100mL unpreserved amber gl	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber gla	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved **amber** vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	I	Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber g	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber g	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved **clear** vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gl	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plasti	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

Pace Analytical Services, Inc.
1233 Dublin Road
Columbus, OH 43215
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

March 19, 2014

Ms. Susan Scrocchi
Conestoga-Rovers and Associates
2055 Niagara Falls Blvd
Suite 2
Niagara Falls, NY 14304

RE: Project: E027035 / Allison Trans
Pace Project No.: 5094255

Dear Ms. Scrocchi:
Enclosed are the analytical results for sample(s) received by the laboratory on March 06, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Donna S. Spyker

Donna Spyker
donna.spyker@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: E027035 / Allison Trans
Pace Project No.: 5094255

Indiana Certification IDs
7726 Moller Road, Indianapolis, IN 46268
Illinois Certification #: 200074
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky UST Certification #: 0042
Louisiana/NELAP Certification #: 04076
Ohio VAP Certification #: CL-0065
Pennsylvania Certification #: 68-04991
West Virginia Certification #: 330

Kansas Certification IDs
9608 Loiret Boulevard, Lenexa, KS 66219
WY STR Certification #: 2456.01
Arkansas Certification #: 13-012-0
Illinois Certification #: 003097
Iowa Certification #: 118
Kansas/NELAP Certification #: E-10116
Louisiana Certification #: 03055
Nevada Certification #: KS000212008A
Oklahoma Certification #: 9205/9935
Texas Certification #: T104704407-13-4
Utah Certification #: KS000212013-3
Illinois Certification #: 003097

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: E027035 / Allison Trans
Pace Project No.: 5094255

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5094255001	Outfall-003(030614)	Water	03/06/14 10:00	03/06/14 14:53
5094255002	Outfall-004-Effluent(030614)	Water	03/06/14 14:00	03/06/14 14:53

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7726 Moller Road
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(317)228-3100

SAMPLE ANALYTE COUNT

Project: E027035 / Allison Trans
Pace Project No.: 5094255

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
5094255001	Outfall-003(030614)	EPA 1664A	DJR	1	PASI-K
		EPA 1664A	DJR	1	PASI-K
5094255002	Outfall-004-Effluent(030614)	EPA 624	ALA	36	PASI-I

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: E027035 / Allison Trans
Pace Project No.: 5094255

Sample: Outfall-003(030614) **Lab ID: 5094255001** Collected: 03/06/14 10:00 Received: 03/06/14 14:53 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
HEM, Oil and Grease	Analytical Method: EPA 1664A							
Oil and Grease	**4.6J**	mg/L	5.0	1		03/17/14 15:55		
1664 SGT-HEM, TPH	Analytical Method: EPA 1664A							
Total Petroleum Hydrocarbons	**1.3J**	mg/L	5.0	1		03/18/14 15:54		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: E027035 / Allison Trans
Pace Project No.: 5094255

Sample: Outfall-004-Effluent(030614) **Lab ID: 5094255002** Collected: 03/06/14 14:00 Received: 03/06/14 14:53 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624 Volatile Organics	Analytical Method: EPA 624							
Benzene	ND	ug/L	5.0	1		03/12/14 19:53	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		03/12/14 19:53	75-27-4	
Bromoform	ND	ug/L	5.0	1		03/12/14 19:53	75-25-2	
Bromomethane	ND	ug/L	5.0	1		03/12/14 19:53	74-83-9	
Carbon tetrachloride	ND	ug/L	5.0	1		03/12/14 19:53	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		03/12/14 19:53	108-90-7	
Chloroethane	ND	ug/L	5.0	1		03/12/14 19:53	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	50.0	1		03/12/14 19:53	110-75-8	
Chloroform	ND	ug/L	5.0	1		03/12/14 19:53	67-66-3	
Chloromethane	ND	ug/L	5.0	1		03/12/14 19:53	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		03/12/14 19:53	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		03/12/14 19:53	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		03/12/14 19:53	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		03/12/14 19:53	106-46-7	
1,1-Dichloroethane	ND	ug/L	5.0	1		03/12/14 19:53	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		03/12/14 19:53	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		03/12/14 19:53	75-35-4	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		03/12/14 19:53	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		03/12/14 19:53	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		03/12/14 19:53	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		03/12/14 19:53	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		03/12/14 19:53	100-41-4	
Methylene Chloride	ND	ug/L	5.0	1		03/12/14 19:53	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	5.0	1		03/12/14 19:53	1634-04-4	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		03/12/14 19:53	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		03/12/14 19:53	127-18-4	
Toluene	ND	ug/L	5.0	1		03/12/14 19:53	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		03/12/14 19:53	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		03/12/14 19:53	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		03/12/14 19:53	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		03/12/14 19:53	75-69-4	
Vinyl chloride	ND	ug/L	2.0	1		03/12/14 19:53	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		03/12/14 19:53	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	106	%.	79-116	1		03/12/14 19:53	1868-53-7	
4-Bromofluorobenzene (S)	101	%.	80-114	1		03/12/14 19:53	460-00-4	
Toluene-d8 (S)	96	%.	81-110	1		03/12/14 19:53	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: E027035 / Allison Trans
Pace Project No.: 5094255

QC Batch: MSV/62474
QC Batch Method: EPA 624
Analysis Method: EPA 624
Analysis Description: 624 MSV
Associated Lab Samples: 5094255002

METHOD BLANK: 1059955
Matrix: Water
Associated Lab Samples: 5094255002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	03/12/14 14:17	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	03/12/14 14:17	
1,1,2-Trichloroethane	ug/L	ND	5.0	03/12/14 14:17	
1,1-Dichloroethane	ug/L	ND	5.0	03/12/14 14:17	
1,1-Dichloroethene	ug/L	ND	5.0	03/12/14 14:17	
1,2-Dichlorobenzene	ug/L	ND	5.0	03/12/14 14:17	
1,2-Dichloroethane	ug/L	ND	5.0	03/12/14 14:17	
1,2-Dichloropropane	ug/L	ND	5.0	03/12/14 14:17	
1,3-Dichlorobenzene	ug/L	ND	5.0	03/12/14 14:17	
1,4-Dichlorobenzene	ug/L	ND	5.0	03/12/14 14:17	
2-Chloroethylvinyl ether	ug/L	ND	50.0	03/12/14 14:17	
Benzene	ug/L	ND	5.0	03/12/14 14:17	
Bromodichloromethane	ug/L	ND	5.0	03/12/14 14:17	
Bromoform	ug/L	ND	5.0	03/12/14 14:17	
Bromomethane	ug/L	ND	5.0	03/12/14 14:17	
Carbon tetrachloride	ug/L	ND	5.0	03/12/14 14:17	
Chlorobenzene	ug/L	ND	5.0	03/12/14 14:17	
Chloroethane	ug/L	ND	5.0	03/12/14 14:17	
Chloroform	ug/L	ND	5.0	03/12/14 14:17	
Chloromethane	ug/L	ND	5.0	03/12/14 14:17	
cis-1,3-Dichloropropene	ug/L	ND	5.0	03/12/14 14:17	
Dibromochloromethane	ug/L	ND	5.0	03/12/14 14:17	
Ethylbenzene	ug/L	ND	5.0	03/12/14 14:17	
Methyl-tert-butyl ether	ug/L	ND	5.0	03/12/14 14:17	
Methylene Chloride	ug/L	ND	5.0	03/12/14 14:17	
Tetrachloroethene	ug/L	ND	5.0	03/12/14 14:17	
Toluene	ug/L	ND	5.0	03/12/14 14:17	
trans-1,2-Dichloroethene	ug/L	ND	5.0	03/12/14 14:17	
trans-1,3-Dichloropropene	ug/L	ND	5.0	03/12/14 14:17	
Trichloroethene	ug/L	ND	5.0	03/12/14 14:17	
Trichlorofluoromethane	ug/L	ND	5.0	03/12/14 14:17	
Vinyl chloride	ug/L	ND	2.0	03/12/14 14:17	
Xylene (Total)	ug/L	ND	10.0	03/12/14 14:17	
4-Bromofluorobenzene (S)	%.	100	80-114	03/12/14 14:17	
Dibromofluoromethane (S)	%.	105	79-116	03/12/14 14:17	
Toluene-d8 (S)	%.	96	81-110	03/12/14 14:17	

LABORATORY CONTROL SAMPLE: 1059956

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	17.7	88	69-126	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: E027035 / Allison Trans
Pace Project No.: 5094255

LABORATORY CONTROL SAMPLE: 1059956

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,2,2-Tetrachloroethane	ug/L	20	15.0	75	46-157	
1,1,2-Trichloroethane	ug/L	20	17.1	86	52-150	
1,1-Dichloroethane	ug/L	20	16.3	81	59-155	
1,1-Dichloroethene	ug/L	20	18.8	94	1-234	
1,2-Dichlorobenzene	ug/L	20	16.5	82	18-190	
1,2-Dichloroethane	ug/L	20	17.3	86	49-155	
1,2-Dichloropropane	ug/L	20	15.6	78	1-210	
1,3-Dichlorobenzene	ug/L	20	16.1	81	59-156	
1,4-Dichlorobenzene	ug/L	20	16.2	81	18-190	
2-Chloroethylvinyl ether	ug/L	20	ND	91	1-305	
Benzene	ug/L	20	16.2	81	37-151	
Bromodichloromethane	ug/L	20	17.6	88	35-155	
Bromoform	ug/L	20	16.5	83	45-169	
Bromomethane	ug/L	20	14.1	70	1-242	
Carbon tetrachloride	ug/L	20	18.1	91	70-140	
Chlorobenzene	ug/L	20	16.7	84	37-160	
Chloroethane	ug/L	20	21.8	109	14-230	
Chloroform	ug/L	20	17.7	89	51-138	
Chloromethane	ug/L	20	18.8	94	1-273	
cis-1,3-Dichloropropene	ug/L	20	15.0	75	1-227	
Dibromochloromethane	ug/L	20	16.1	80	53-149	
Ethylbenzene	ug/L	20	17.0	85	37-162	
Methyl-tert-butyl ether	ug/L	40	34.4	86	66-130	
Methylene Chloride	ug/L	20	19.0	95	1-221	
Tetrachloroethene	ug/L	20	18.1	90	64-148	
Toluene	ug/L	20	16.4	82	47-150	
trans-1,2-Dichloroethene	ug/L	20	17.3	86	54-156	
trans-1,3-Dichloropropene	ug/L	20	15.2	76	17-183	
Trichloroethene	ug/L	20	17.9	90	71-157	
Trichlorofluoromethane	ug/L	20	23.3	116	17-181	
Vinyl chloride	ug/L	20	19.5	98	1-251	
Xylene (Total)	ug/L	60	49.5	83	77-123	
4-Bromofluorobenzene (S)	%.			99	80-114	
Dibromofluoromethane (S)	%.			106	79-116	
Toluene-d8 (S)	%.			99	81-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1059957 1059958

Parameter	Units	5094227002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	ND	50	50	52.6	51.0	105	102	37-136	3	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	46.7	46.9	93	94	46-157	0	20	
1,1,2-Trichloroethane	ug/L	ND	50	50	50.1	48.8	100	98	52-150	3	20	
1,1-Dichloroethane	ug/L	ND	50	50	47.3	45.8	95	92	59-155	3	20	
1,1-Dichloroethene	ug/L	ND	50	50	54.1	52.0	108	104	1-234	4	20	
1,2-Dichlorobenzene	ug/L	ND	50	50	48.6	47.5	97	95	18-190	2	20	
1,2-Dichloroethane	ug/L	ND	50	50	51.1	49.2	102	98	49-155	4	20	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: E027035 / Allison Trans
Pace Project No.: 5094255

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1059957 1059958

Parameter	Units	5094227002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloropropane	ug/L	ND	50	50	46.6	45.8	93	92	1-210	2	20	
1,3-Dichlorobenzene	ug/L	ND	50	50	46.9	45.5	94	91	59-156	3	20	
1,4-Dichlorobenzene	ug/L	ND	50	50	46.4	45.9	93	92	18-190	1	20	
2-Chloroethylvinyl ether	ug/L	ND	50	50	ND	ND	0	0	1-305		20	M0
Benzene	ug/L	ND	50	50	47.4	46.3	95	93	37-151	2	20	
Bromodichloromethane	ug/L	ND	50	50	56.7	54.9	113	110	35-155	3	20	
Bromoform	ug/L	ND	50	50	47.5	47.7	95	95	45-169	0	20	
Bromomethane	ug/L	ND	50	50	49.0	48.5	98	97	1-242	1	20	
Carbon tetrachloride	ug/L	ND	50	50	55.8	52.9	112	106	70-140	5	20	
Chlorobenzene	ug/L	ND	50	50	48.2	46.5	96	93	37-160	4	20	
Chloroethane	ug/L	ND	50	50	56.0	54.4	112	109	14-230	3	20	
Chloroform	ug/L	ND	50	50	51.9	50.0	104	100	51-138	4	20	
Chloromethane	ug/L	ND	50	50	53.8	51.3	108	103	1-273	5	20	
cis-1,3-Dichloropropene	ug/L	ND	50	50	44.0	43.0	88	86	1-227	2	20	
Dibromochloromethane	ug/L	ND	50	50	49.2	47.9	98	96	53-149	3	20	
Ethylbenzene	ug/L	ND	50	50	49.2	46.7	98	93	37-162	5	20	
Methyl-tert-butyl ether	ug/L	ND	100	100	104	101	104	101	39-158	3	20	
Methylene Chloride	ug/L	ND	50	50	57.3	55.2	115	110	1-221	4	20	
Tetrachloroethene	ug/L	ND	50	50	52.6	50.3	105	101	64-148	4	20	
Toluene	ug/L	ND	50	50	47.2	45.7	94	91	47-150	3	20	
trans-1,2-Dichloroethene	ug/L	ND	50	50	49.3	47.7	99	95	54-156	3	20	
trans-1,3-Dichloropropene	ug/L	ND	50	50	45.1	43.8	90	88	17-183	3	20	
Trichloroethene	ug/L	ND	50	50	52.7	50.9	105	102	71-157	3	20	
Trichlorofluoromethane	ug/L	ND	50	50	66.0	63.3	132	127	17-181	4	20	
Vinyl chloride	ug/L	ND	50	50	56.8	55.2	114	110	1-251	3	20	
Xylene (Total)	ug/L	ND	150	150	140	135	93	90	28-158	4	20	
4-Bromofluorobenzene (S)	%.						96	97	80-114			
Dibromofluoromethane (S)	%.						103	102	79-116			
Toluene-d8 (S)	%.						97	97	81-110			

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: E027035 / Allison Trans
Pace Project No.: 5094255

QC Batch: WET/46711
QC Batch Method: EPA 1664A
Associated Lab Samples: 5094255001

Analysis Method: EPA 1664A
Analysis Description: 1664 HEM, Oil and Grease

METHOD BLANK: 1345257
Associated Lab Samples:

Matrix: Water

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	5.0	03/17/14 15:53	

LABORATORY CONTROL SAMPLE: 1345258

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	37.9	95	78-114	

MATRIX SPIKE SAMPLE: 1345259

Parameter	Units	60164275002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	93.1	42.1	121	67	78-114	M1

SAMPLE DUPLICATE: 1345260

Parameter	Units	60164725001 Result	Dup Result	RPD	Max RPD	Qualifiers
Oil and Grease	mg/L	678	700	3	18	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: E027035 / Allison Trans
Pace Project No.: 5094255

QC Batch: WET/46737
QC Batch Method: EPA 1664A
Associated Lab Samples: 5094255001

Analysis Method: EPA 1664A
Analysis Description: 1664 SGT-HEM, TPH

METHOD BLANK: 1345896
Matrix: Water
Associated Lab Samples:

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	5.0	03/18/14 15:51	

LABORATORY CONTROL SAMPLE: 1345897

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	20	19.9	100	64-132	

MATRIX SPIKE SAMPLE: 1345899

Parameter	Units	60164735001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	20.6	17.2	84	64-132	

SAMPLE DUPLICATE: 1345898

Parameter	Units	60164725001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Petroleum Hydrocarbons	mg/L	14.4	15.2	5	34	

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: E027035 / Allison Trans
Pace Project No.: 5094255

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-I	Pace Analytical Services - Indianapolis
PASI-K	Pace Analytical Services - Kansas City

ANALYTE QUALIFIERS

M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: E027035 / Allison Trans
Pace Project No.: 5094255

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
5094255002	**Outfall-004-Effluent(030614)**	EPA 624	MSV/62474		
5094255001	**Outfall-003(030614)**	EPA 1664A	WET/46711		
5094255001	**Outfall-003(030614)**	EPA 1664A	WET/46737		

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GM REALM ENCORE

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

PAGE 1 OF 1

✓ MS

ID # № 09491

SSOW Ref. Code: E027035

Required Client Information:

Company: Arcadis	Report To: E. Moosbrugger
Address: 132 E. Washington St. #600	Copy To: S. Fisher
	Invoice To: Corporate
Indpls, IN 46204	P.O.: IN000473.0019
Phone: 317-231-6500	Project Name: Allison Trans
Fax: 26514	Project Number: IN473.19
E-mail: Eric.Moosbrugger@Arcadis-us.com	

Laboratory: Pace Analytical	
Laboratory Location: Indpls	
Laboratory Contact:	
Requested Due Date:	TAT: std.
QA/QC Requirements:	

2094255

Valid Matrix Codes: WG Groundwater, WB Borehole Water, WS Surface Water, SO Soil, SE Sediment, See Back for Additional Codes

Preservative

Analysis and Method

	Sample Identification:	Matrix Code	Date Collected	Time Collected	# Containers	Unpreserved	HCl	H2SO4	HNO3	NaOH	Other:	VOCs 624	O&G/TPH 1664									Remarks/Lab ID
1.	Outfall-003 (030614)	WT	6 Mar 14	1000	2	~~2~~	2						2									001
2.	Outfall-004-~~Outfall~~ (030614)	WT	6 Mar 14	1400	3	3	3					3										002
3.	Effluent ~~BS~~ 3/7/14																					
4.																						
5.																						
6.																						
7.																						
8.																						
9.																						
10.																						
11.																						
12.																						
13.																						
14.																						
15.																						
	TOTAL NUMBER OF CONTAINERS																					

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY / AFFILIATION	DATE	TIME	RECEIVED BY / AFFILIATION	DATE	TIME
Hand	1	Chad Butrum / Arcadis	3/6/14	1453	Carlie Peacock	3-6-14	14:5[illegible]
AIRBILL NO.							

Sample Condition

Temp in °C	4.0
Received on Ice	(Y) / N
Sealed Cooler	Y / (N)
Samples Intact	(Y) / N

Additional Comments:

Sampler Name: Chad Butrum

Sampler Signature: [signature] Date: 3/6/14

Distribution: WHITE - Fully Executed Copy YELLOW - Receiving Laboratory Copy PINK - Sampler Copy

REV. 0 (6/04)

Sample Condition Upon Receipt

Pace Analytical

Client Name: Arcadis Project # 5094255

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Tracking #: _____

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☒ no

Date/Time 5035A kits placed in freezer: _____

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other _____

Thermometer Used: 1 2 3 4 6 A B C D E Type of Ice: (Wet) Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature (Corrected, if applicable): 4.0 °C Ice Visible in Sample Containers: ☐ yes ☒ no

Temp should be above freezing to 6°C

Date and initials of person examining contents: AP 3-6-14

		Comments:
Chain of Custody Present:	☒Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☒Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☒Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☒Yes ☐No ☐N/A	4.
Short Hold Time Analysis (<72hr):	☐Yes ☒No ☐N/A	5.
Rush Turn Around Time Requested:	☐Yes ☒No ☐N/A	6.
Containers Intact:	☒Yes ☐No ☐N/A	7.
Sample Labels match COC: -Includes date/time/ID/Analysis	☒Yes ☐No ☐N/A	8.
All containers needing acid/base pres. have been checked? exceptions: VOA, coliform, TOC, O&G	☐Yes ☐No ☒N/A	9. (Circle) HNO3 H2SO4 NaOH HCl
All containers needing preservation are found to be in compliance with EPA recommendation (<2, >9, >12) unless otherwise noted.		
Headspace in VOA Vials (>6mm):	☐Yes ☒No ☐N/A	10.
Trip Blank Present:	☐Yes ☒No ☐N/A	11.
Trip Blank Custody Seals Present	☐Yes ☐No ☒N/A	
Project Manager Review		
Samples Arrived within Hold Time:	☒Yes ☐No ☐N/A	12.
Sufficient Volume:	☒Yes ☐No ☐N/A	13.
Correct Containers Used:	☒Yes ☐No ☐N/A	14.

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ Date: 3/7/14

Form F-IN-Q-290-rev.05, 10Sep2013

Sample Container Count

CLIENT: Arcadis

COC PAGE 1 of 1
COC ID# 09491

Project # 5094255

Sample Line Item	DG9H	AG1U	WGFU	AG0U	R	4/6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H			pH <2	pH>12	Comments
1														2					
2	3																		
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

Container Codes

DG9H	40mL HCL amber voa vial	AG0U	100mL unpreserved amber gl	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber gla	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber g	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	I	Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber g	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber g	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gl	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plasti	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

Pace Analytical Services, Inc.
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Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

April 16, 2014

Ms. Susan Scrocchi
Conestoga-Rovers and Associates
2055 Niagara Falls Blvd
Suite 2
Niagara Falls, NY 14304

RE: Project: E027035 / Allison Trans
Pace Project No.: 5095652

Dear Ms. Scrocchi:
Enclosed are the analytical results for sample(s) received by the laboratory on April 03, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Donna S. Spyker

Donna Spyker
donna.spyker@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: E027035 / Allison Trans
Pace Project No.: 5095652

Indiana Certification IDs
7726 Moller Road, Indianapolis, IN 46268
Illinois Certification #: 200074
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky UST Certification #: 0042
Louisiana/NELAP Certification #: 04076
Ohio VAP Certification #: CL-0065
Pennsylvania Certification #: 68-04991
West Virginia Certification #: 330

Kansas Certification IDs
9608 Loiret Boulevard, Lenexa, KS 66219
WY STR Certification #: 2456.01
Arkansas Certification #: 13-012-0
Illinois Certification #: 003097
Iowa Certification #: 118
Kansas/NELAP Certification #: E-10116
Louisiana Certification #: 03055
Nevada Certification #: KS000212008A
Oklahoma Certification #: 9205/9935
Texas Certification #: T104704407-13-4
Utah Certification #: KS000212013-3
Illinois Certification #: 003097

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SAMPLE SUMMARY

Project: E027035 / Allison Trans
Pace Project No.: 5095652

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5095652001	Outfall-004-Effluent(040314)	Water	04/03/14 11:00	04/03/14 14:39
5095652002	Outfall-003(040314)	Water	04/03/14 13:00	04/03/14 14:39

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SAMPLE ANALYTE COUNT

Project: E027035 / Allison Trans
Pace Project No.: 5095652

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
5095652001	**Outfall-004-Effluent(040314)**	EPA 624	JLZ	36	PASI-I
5095652002	**Outfall-003(040314)**	EPA 1664A	JMC1	1	PASI-K
		EPA 1664A	JMC1	1	PASI-K

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: E027035 / Allison Trans
Pace Project No.: 5095652

Sample: Outfall-004-Effluent(040314) **Lab ID: 5095652001** Collected: 04/03/14 11:00 Received: 04/03/14 14:39 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624 Volatile Organics	Analytical Method: EPA 624							
Benzene	ND	ug/L	5.0	1		04/15/14 16:09	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/15/14 16:09	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/15/14 16:09	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/15/14 16:09	74-83-9	
Carbon tetrachloride	ND	ug/L	5.0	1		04/15/14 16:09	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/15/14 16:09	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/15/14 16:09	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	50.0	1		04/15/14 16:09	110-75-8	
Chloroform	ND	ug/L	5.0	1		04/15/14 16:09	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/15/14 16:09	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		04/15/14 16:09	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/15/14 16:09	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/15/14 16:09	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/15/14 16:09	106-46-7	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/15/14 16:09	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/15/14 16:09	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/15/14 16:09	75-35-4	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/15/14 16:09	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/15/14 16:09	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/15/14 16:09	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/15/14 16:09	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/15/14 16:09	100-41-4	
Methylene Chloride	ND	ug/L	5.0	1		04/15/14 16:09	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	5.0	1		04/15/14 16:09	1634-04-4	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/15/14 16:09	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/15/14 16:09	127-18-4	
Toluene	ND	ug/L	5.0	1		04/15/14 16:09	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/15/14 16:09	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/15/14 16:09	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/15/14 16:09	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/15/14 16:09	75-69-4	
Vinyl chloride	ND	ug/L	2.0	1		04/15/14 16:26	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		04/15/14 16:09	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	93	%.	79-116	1		04/15/14 16:09	1868-53-7	
4-Bromofluorobenzene (S)	98	%.	80-114	1		04/15/14 16:09	460-00-4	
Toluene-d8 (S)	99	%.	81-110	1		04/15/14 16:09	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: E027035 / Allison Trans
Pace Project No.: 5095652

Sample: Outfall-003(040314) **Lab ID: 5095652002** Collected: 04/03/14 13:00 Received: 04/03/14 14:39 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
HEM, Oil and Grease	Analytical Method: EPA 1664A							
Oil and Grease	**30.5**	mg/L	5.0	1		04/11/14 07:32		
1664 SGT-HEM, TPH	Analytical Method: EPA 1664A							
Total Petroleum Hydrocarbons	**12.6**	mg/L	5.0	1		04/14/14 13:40		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: E027035 / Allison Trans
Pace Project No.: 5095652

QC Batch: MSV/63636
QC Batch Method: EPA 624
Analysis Method: EPA 624
Analysis Description: 624 MSV
Associated Lab Samples: 5095652001

METHOD BLANK: 1078676
Matrix: Water
Associated Lab Samples: 5095652001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	04/15/14 14:31	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	04/15/14 14:31	
1,1,2-Trichloroethane	ug/L	ND	5.0	04/15/14 14:31	
1,1-Dichloroethane	ug/L	ND	5.0	04/15/14 14:31	
1,1-Dichloroethene	ug/L	ND	5.0	04/15/14 14:31	
1,2-Dichlorobenzene	ug/L	ND	5.0	04/15/14 14:31	
1,2-Dichloroethane	ug/L	ND	5.0	04/15/14 14:31	
1,2-Dichloropropane	ug/L	ND	5.0	04/15/14 14:31	
1,3-Dichlorobenzene	ug/L	ND	5.0	04/15/14 14:31	
1,4-Dichlorobenzene	ug/L	ND	5.0	04/15/14 14:31	
2-Chloroethylvinyl ether	ug/L	ND	50.0	04/15/14 14:31	
Benzene	ug/L	ND	5.0	04/15/14 14:31	
Bromodichloromethane	ug/L	ND	5.0	04/15/14 14:31	
Bromoform	ug/L	ND	5.0	04/15/14 14:31	
Bromomethane	ug/L	ND	5.0	04/15/14 14:31	
Carbon tetrachloride	ug/L	ND	5.0	04/15/14 14:31	
Chlorobenzene	ug/L	ND	5.0	04/15/14 14:31	
Chloroethane	ug/L	ND	5.0	04/15/14 14:31	
Chloroform	ug/L	ND	5.0	04/15/14 14:31	
Chloromethane	ug/L	ND	5.0	04/15/14 14:31	
cis-1,3-Dichloropropene	ug/L	ND	5.0	04/15/14 14:31	
Dibromochloromethane	ug/L	ND	5.0	04/15/14 14:31	
Ethylbenzene	ug/L	ND	5.0	04/15/14 14:31	
Methyl-tert-butyl ether	ug/L	ND	5.0	04/15/14 14:31	
Methylene Chloride	ug/L	ND	5.0	04/15/14 14:31	
Tetrachloroethene	ug/L	ND	5.0	04/15/14 14:31	
Toluene	ug/L	ND	5.0	04/15/14 14:31	
trans-1,2-Dichloroethene	ug/L	ND	5.0	04/15/14 14:31	
trans-1,3-Dichloropropene	ug/L	ND	5.0	04/15/14 14:31	
Trichloroethene	ug/L	ND	5.0	04/15/14 14:31	
Trichlorofluoromethane	ug/L	ND	5.0	04/15/14 14:31	
Vinyl chloride	ug/L	ND	2.0	04/15/14 14:31	
Xylene (Total)	ug/L	ND	10.0	04/15/14 14:31	
4-Bromofluorobenzene (S)	%.	101	80-114	04/15/14 14:31	
Dibromofluoromethane (S)	%.	93	79-116	04/15/14 14:31	
Toluene-d8 (S)	%.	101	81-110	04/15/14 14:31	

LABORATORY CONTROL SAMPLE: 1078677

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	19.1	96	69-126	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: E027035 / Allison Trans
Pace Project No.: 5095652

LABORATORY CONTROL SAMPLE: 1078677

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,2,2-Tetrachloroethane	ug/L	20	19.8	99	46-157	
1,1,2-Trichloroethane	ug/L	20	19.4	97	52-150	
1,1-Dichloroethane	ug/L	20	18.4	92	59-155	
1,1-Dichloroethene	ug/L	20	18.1	90	1-234	
1,2-Dichlorobenzene	ug/L	20	19.8	99	18-190	
1,2-Dichloroethane	ug/L	20	19.8	99	49-155	
1,2-Dichloropropane	ug/L	20	18.7	94	1-210	
1,3-Dichlorobenzene	ug/L	20	20.1	100	59-156	
1,4-Dichlorobenzene	ug/L	20	20.5	102	18-190	
Benzene	ug/L	20	18.9	94	37-151	
Bromodichloromethane	ug/L	20	18.6	93	35-155	
Bromoform	ug/L	20	20.5	103	45-169	
Bromomethane	ug/L	20	41.3	207	1-242	
Carbon tetrachloride	ug/L	20	19.6	98	70-140	
Chlorobenzene	ug/L	20	19.2	96	37-160	
Chloroethane	ug/L	20	22.8	114	14-230	
Chloroform	ug/L	20	19.1	96	51-138	
Chloromethane	ug/L	20	16.0	80	1-273	
cis-1,3-Dichloropropene	ug/L	20	19.4	97	1-227	
Dibromochloromethane	ug/L	20	19.5	97	53-149	
Ethylbenzene	ug/L	20	19.2	96	37-162	
Methyl-tert-butyl ether	ug/L	40	40.1	100	66-130	
Methylene Chloride	ug/L	20	16.1	80	1-221	
Tetrachloroethene	ug/L	20	18.7	94	64-148	
Toluene	ug/L	20	19.1	95	47-150	
trans-1,2-Dichloroethene	ug/L	20	18.8	94	54-156	
trans-1,3-Dichloropropene	ug/L	20	20.0	100	17-183	
Trichloroethene	ug/L	20	19.2	96	71-157	
Trichlorofluoromethane	ug/L	20	20.4	102	17-181	
Vinyl chloride	ug/L	20	20.1	100	1-251	
Xylene (Total)	ug/L	60	58.2	97	77-123	
4-Bromofluorobenzene (S)	%.			101	80-114	
Dibromofluoromethane (S)	%.			97	79-116	
Toluene-d8 (S)	%.			101	81-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1078678 1078679

Parameter	Units	5095839001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	ND	20	20	17.3	21.1	87	106	37-136	20	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20	18.1	21.8	90	109	46-157	19	20	
1,1,2-Trichloroethane	ug/L	ND	20	20	17.7	21.7	89	108	52-150	20	20	
1,1-Dichloroethane	ug/L	ND	20	20	17.3	20.9	86	105	59-155	19	20	
1,1-Dichloroethene	ug/L	ND	20	20	18.1	21.0	90	105	1-234	15	20	
1,2-Dichlorobenzene	ug/L	ND	20	20	16.1	18.4	80	92	18-190	13	20	
1,2-Dichloroethane	ug/L	ND	20	20	18.9	22.4	94	112	49-155	17	20	
1,2-Dichloropropane	ug/L	ND	20	20	17.5	21.0	88	105	1-210	18	20	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: E027035 / Allison Trans
Pace Project No.: 5095652

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1078678 1078679

Parameter	Units	5095839001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,3-Dichlorobenzene	ug/L	ND	20	20	15.7	17.7	79	89	59-156	12	20	
1,4-Dichlorobenzene	ug/L	ND	20	20	15.7	18.0	79	90	18-190	13	20	
Benzene	ug/L	ND	20	20	17.2	20.7	86	103	37-151	19	20	
Bromodichloromethane	ug/L	ND	20	20	16.8	20.3	84	101	35-155	19	20	
Bromoform	ug/L	ND	20	20	18.4	21.6	92	108	45-169	16	20	
Bromomethane	ug/L	ND	20	20	39.6	6.0	198	30	1-242	147	20	R1
Carbon tetrachloride	ug/L	ND	20	20	17.8	21.2	89	106	70-140	17	20	
Chlorobenzene	ug/L	ND	20	20	16.2	19.0	81	95	37-160	16	20	
Chloroethane	ug/L	ND	20	20	21.0	24.4	105	122	14-230	15	20	
Chloroform	ug/L	ND	20	20	17.9	21.2	89	106	51-138	17	20	
Chloromethane	ug/L	ND	20	20	15.0	21.2	75	106	1-273	34	20	R1
cis-1,3-Dichloropropene	ug/L	ND	20	20	17.1	19.7	86	99	1-227	14	20	
Dibromochloromethane	ug/L	ND	20	20	17.8	19.9	89	100	53-149	11	20	
Ethylbenzene	ug/L	ND	20	20	16.1	18.0	81	90	37-162	11	20	
Methyl-tert-butyl ether	ug/L	ND	40	40	37.7	44.6	94	112	39-158	17	20	
Methylene Chloride	ug/L	ND	20	20	13.2	16.5	66	82	1-221	22	20	R1
Tetrachloroethene	ug/L	ND	20	20	15.3	17.7	77	89	64-148	15	20	
Toluene	ug/L	172	20	20	183	187	56	72	47-150	2	20	
trans-1,2-Dichloroethene	ug/L	ND	20	20	17.6	21.4	88	107	54-156	19	20	
trans-1,3-Dichloropropene	ug/L	ND	20	20	17.6	20.2	88	101	17-183	14	20	
Trichloroethene	ug/L	ND	20	20	17.2	20.2	86	101	71-157	16	20	
Trichlorofluoromethane	ug/L	ND	20	20	19.9	24.3	100	121	17-181	20	20	
Vinyl chloride	ug/L	ND	20	20	18.8	23.4	94	117	1-251	22	20	R1
Xylene (Total)	ug/L	ND	60	60	48.2	55.1	80	92	28-158	13	20	
4-Bromofluorobenzene (S)	%.						101	99	80-114			
Dibromofluoromethane (S)	%.						98	96	79-116			
Toluene-d8 (S)	%.						101	100	81-110			

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: E027035 / Allison Trans
Pace Project No.: 5095652

QC Batch: WET/47252
QC Batch Method: EPA 1664A
Associated Lab Samples: 5095652002

Analysis Method: EPA 1664A
Analysis Description: 1664 HEM, Oil and Grease

METHOD BLANK: 1358645 Matrix: Water
Associated Lab Samples:

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	5.0	04/11/14 07:28	

LABORATORY CONTROL SAMPLE: 1358646

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	35.5	89	78-114	

MATRIX SPIKE SAMPLE: 1358647

Parameter	Units	60166268001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	ND	39.6	37.8	95	78-114	

SAMPLE DUPLICATE: 1358648

Parameter	Units	60166275001 Result	Dup Result	RPD	Max RPD	Qualifiers
Oil and Grease	mg/L	ND	ND		18	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: E027035 / Allison Trans
Pace Project No.: 5095652

QC Batch: WET/47298
QC Batch Method: EPA 1664A
Associated Lab Samples: 5095652002

Analysis Method: EPA 1664A
Analysis Description: 1664 SGT-HEM, TPH

METHOD BLANK: 1360403
Associated Lab Samples:

Matrix: Water

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	5.0	04/14/14 13:39	

LABORATORY CONTROL SAMPLE: 1360404

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	20	19.2	96	64-132	

MATRIX SPIKE SAMPLE: 1360405

Parameter	Units	60166177002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	21.7	25.7	112	64-132	

SAMPLE DUPLICATE: 1360406

Parameter	Units	60166541001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	ND		34	

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: E027035 / Allison Trans
Pace Project No.: 5095652

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-I	Pace Analytical Services - Indianapolis
PASI-K	Pace Analytical Services - Kansas City

ANALYTE QUALIFIERS

R1	RPD value was outside control limits.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: E027035 / Allison Trans
Pace Project No.: 5095652

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
5095652001	**Outfall-004-Effluent(040314)**	EPA 624	MSV/63636		
5095652002	**Outfall-003(040314)**	EPA 1664A	WET/47252		
5095652002	**Outfall-003(040314)**	EPA 1664A	WET/47298		

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GM REALM ENCORE

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

PAGE 1 OF 1

ID # № 09492

SSOW Ref. Code: E027035

Required Client Information:

Company: Arcadis	Report To: E. Moosbrugger
Address: 132 E. Washington St #600	Copy To: S. Fisher
	Invoice To: Corporate
Indpls, IN 46204	P.O.: IN000473.0019
Phone: 317-231-6500	Project Name: Allison Trans
Fax: 6514	Project Number: IN473.19
E-mail: Eric.Moosbrugger@Arcadis-US.com	

Laboratory: Pace Analytical	
Laboratory Location: Indpls	
Laboratory Contact:	
Requested Due Date:	TAT: std.
QA/QC Requirements:	

5095652

Valid Matrix Codes: WG Groundwater, WB Borehole Water, WS Surface Water, SO Soil, SE Sediment, See Back for Additional Codes

Preservative / Analysis and Method

	Sample Identification:	Matrix Code	Date Collected	Time Collected	# Containers	Unpreserved	HCl	H2SO4	HNO3	NaOH	Other:	VOCs 624	O&G/TPH 1664										Remarks/Lab ID
1.	Outfall-004-Effluent (040314)	WT	3Apr14	11:00	3		3					3											001
2.	Outfall-003 (040314)	WT	3Apr14	13:00	2		2						2										002
3.																							
4.																							
5.																							
6.																							
7.																							
8.																							
9.																							
10.																							
11.																							
12.																							
13.																							
14.																							
15.																							
	TOTAL NUMBER OF CONTAINERS																						

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY / AFFILIATION	DATE	TIME	RECEIVED BY / AFFILIATION	DATE	TIME
Hand	1	[signature] / Arcadis	4/3/14	14:00	[signature] / ARCADIS	4/3/14	14:00
AIRBILL NO.		[signature]	4/3/14		[signature]	4-3-14	14:39

Sample Condition

Temp in °C	1.8
Received on Ice	Y / N
Sealed Cooler	Y / N
Samples Intact	Y / N

Additional Comments:

Sampler Name: Chad Butrun

Sampler Signature: [signature] Date: 4/3/14

WF / Client Distribution: WHITE - Fully Executed Copy YELLOW - Receiving Laboratory Copy PINK - Sampler Copy

REV. 0 (6/04)

Reference 23 Page 1413

Sample Condition Upon Receipt

Pace Analytical

Client Name: Arcadis

Project # 3095652

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☑ Client ☐ Commercial ☐ Pace Other

Tracking #:

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals Intact: ☐ yes ☑ no

Date/Time 5035A kits placed in freezer:

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other

Thermometer Used (2) 3 4 6 A B C D E Type of Ice: (Wet) Blue None ☑ Samples on ice, cooling process has begun

Cooler Temperature (Corrected, if applicable) 1.8°C Ice Visible in Sample Containers: ☐ yes ☑ no

Temp should be above freezing to 6°C

Date and Initials of person examining contents: MB 4/3/14

				Comments:
Chain of Custody Present:	☑Yes	☐No	☐N/A	1.
Chain of Custody Filled Out:	☑Yes	☐No	☐N/A	2.
Chain of Custody Relinquished:	☑Yes	☐No	☐N/A	3.
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A	4.
Short Hold Time Analysis (<72hr):	☐Yes	☐No	☑N/A	5.
Rush Turn Around Time Requested:	☐Yes	☐No	☑N/A	6.
Containers Intact:	☑Yes	☐No	☐N/A	7.
Sample Labels match COC: -Includes date/time/ID/Analysis	☑Yes	☐No	☐N/A	8.
All containers needing acid/base pres. have been checked? exceptions: VOA, coliform, TOC, O&G	☐Yes	☐No	☑N/A	9. (Circle) HNO3 H2SO4 NaOH HCl
All containers needing preservation are found to be in compliance with EPA recommendation (<2, >9, >12) unless otherwise noted.				
Headspace in VOA Vials (>6mm):	☐Yes	☑No	☐N/A	10.
Trip Blank Present:	☐Yes	☐No	☑N/A	11.
Trip Blank Custody Seals Present	☐Yes	☐No	☑N/A	
Project Manager Review:				
Samples Arrived within Hold Time:	☑Yes	☐No	☐N/A	12.
Sufficient Volume:	☑Yes	☐No	☐N/A	13.
Correct Containers Used:	☑Yes	☐No	☐N/A	14.

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: Date/Time:

Comments/ Resolution:

Project Manager Review: Date: 4/3/14

Form F-IN-Q-290-rev.05, 10Sep2013

Sample Container Count

CLIENT: Arcadis

COC PAGE 1 of 1
COC ID# 09492

Project # 5095652

Sample Line Item	DG9H	AG1U	WGFU	AG0U	R	4 / 8	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	BP3C	BP1U	SPST		pH <2	pH>12	Comments
1	3																				
2														2							
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

Container Codes

DG9H	40mL HCL amber voa vial	AG0U	100mL unpreserved amber g	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber gla	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	I	Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber g	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber g	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gl	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

Reference 23 Page 1415

Pace Analytical Services, Inc.
1233 Dublin Road
Columbus, OH 43215
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

May 14, 2014

Ms. Susan Scrocchi
Conestoga-Rovers and Associates
2055 Niagara Falls Blvd
Suite 2
Niagara Falls, NY 14304

RE: Project: E027039 / Allison Trans
Pace Project No.: 5096952

Dear Ms. Scrocchi:
Enclosed are the analytical results for sample(s) received by the laboratory on April 30, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Donna S. Spyker

Donna Spyker
donna.spyker@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: E027039 / Allison Trans
Pace Project No.: 5096952

Indiana Certification IDs
7726 Moller Road, Indianapolis, IN 46268
Illinois Certification #: 200074
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky UST Certification #: 0042
Louisiana/NELAP Certification #: 04076
Ohio VAP Certification #: CL-0065
West Virginia Certification #: 330

Kansas Certification IDs
9608 Loiret Boulevard, Lenexa, KS 66219
WY STR Certification #: 2456.01
Arkansas Certification #: 13-012-0
Illinois Certification #: 003097
Iowa Certification #: 118
Kansas/NELAP Certification #: E-10116
Louisiana Certification #: 03055
Nevada Certification #: KS000212008A
Oklahoma Certification #: 9205/9935
Texas Certification #: T104704407-13-4
Utah Certification #: KS000212013-3
Illinois Certification #: 003097

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: E027039 / Allison Trans
Pace Project No.: 5096952

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5096952001	Outfall-003(043014)	Water	04/30/14 08:00	04/30/14 09:20
5096952002	Outfall-004-Effluent(043014)	Water	04/30/14 08:30	04/30/14 09:20

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1233 Dublin Road
Columbus, OH 43215
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: E027039 / Allison Trans
Pace Project No.: 5096952

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
5096952001	Outfall-003(043014)	EPA 1664A	JMC1	1	PASI-K
		EPA 1664A	JMC1	1	PASI-K
5096952002	Outfall-004-Effluent(043014)	EPA 624	GRM	36	PASI-I

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5096952

Sample: Outfall-003(043014) **Lab ID: 5096952001** Collected: 04/30/14 08:00 Received: 04/30/14 09:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
HEM, Oil and Grease	Analytical Method: EPA 1664A							
Oil and Grease	**27.0**	mg/L	5.0	1		05/10/14 10:57		
1664 SGT-HEM, TPH	Analytical Method: EPA 1664A							
Total Petroleum Hydrocarbons	**6.7**	mg/L	5.0	1		05/13/14 12:42		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5096952

Sample: Outfall-004-Effluent(043014) **Lab ID: 5096952002** Collected: 04/30/14 08:30 Received: 04/30/14 09:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624 Volatile Organics	Analytical Method: EPA 624							
Benzene	ND	ug/L	5.0	1		05/13/14 16:28	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		05/13/14 16:28	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/13/14 16:28	75-25-2	
Bromomethane	ND	ug/L	5.0	1		05/13/14 16:28	74-83-9	
Carbon tetrachloride	ND	ug/L	5.0	1		05/13/14 16:28	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/13/14 16:28	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/13/14 16:28	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	50.0	1		05/13/14 16:28	110-75-8	
Chloroform	ND	ug/L	5.0	1		05/13/14 16:28	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/13/14 16:28	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		05/13/14 16:28	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		05/13/14 16:28	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		05/13/14 16:28	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		05/13/14 16:28	106-46-7	
1,1-Dichloroethane	ND	ug/L	5.0	1		05/13/14 16:28	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		05/13/14 16:28	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		05/13/14 16:28	75-35-4	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		05/13/14 16:28	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		05/13/14 16:28	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/13/14 16:28	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/13/14 16:28	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/13/14 16:28	100-41-4	
Methylene Chloride	ND	ug/L	5.0	1		05/13/14 16:28	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	5.0	1		05/13/14 16:28	1634-04-4	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/13/14 16:28	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		05/13/14 16:28	127-18-4	
Toluene	ND	ug/L	5.0	1		05/13/14 16:28	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/13/14 16:28	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		05/13/14 16:28	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		05/13/14 16:28	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/13/14 16:28	75-69-4	
Vinyl chloride	ND	ug/L	2.0	1		05/13/14 16:28	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		05/13/14 16:28	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	100	%.	79-116	1		05/13/14 16:28	1868-53-7	
4-Bromofluorobenzene (S)	98	%.	80-114	1		05/13/14 16:28	460-00-4	
Toluene-d8 (S)	104	%.	81-110	1		05/13/14 16:28	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: E027039 / Allison Trans
Pace Project No.: 5096952

QC Batch: MSV/64652
QC Batch Method: EPA 624
Analysis Method: EPA 624
Analysis Description: 624 MSV
Associated Lab Samples: 5096952002

METHOD BLANK: 1092863
Matrix: Water
Associated Lab Samples: 5096952002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	05/13/14 12:51	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	05/13/14 12:51	
1,1,2-Trichloroethane	ug/L	ND	5.0	05/13/14 12:51	
1,1-Dichloroethane	ug/L	ND	5.0	05/13/14 12:51	
1,1-Dichloroethene	ug/L	ND	5.0	05/13/14 12:51	
1,2-Dichlorobenzene	ug/L	ND	5.0	05/13/14 12:51	
1,2-Dichloroethane	ug/L	ND	5.0	05/13/14 12:51	
1,2-Dichloropropane	ug/L	ND	5.0	05/13/14 12:51	
1,3-Dichlorobenzene	ug/L	ND	5.0	05/13/14 12:51	
1,4-Dichlorobenzene	ug/L	ND	5.0	05/13/14 12:51	
2-Chloroethylvinyl ether	ug/L	ND	50.0	05/13/14 12:51	
Benzene	ug/L	ND	5.0	05/13/14 12:51	
Bromodichloromethane	ug/L	ND	5.0	05/13/14 12:51	
Bromoform	ug/L	ND	5.0	05/13/14 12:51	
Bromomethane	ug/L	ND	5.0	05/13/14 12:51	
Carbon tetrachloride	ug/L	ND	5.0	05/13/14 12:51	
Chlorobenzene	ug/L	ND	5.0	05/13/14 12:51	
Chloroethane	ug/L	ND	5.0	05/13/14 12:51	
Chloroform	ug/L	ND	5.0	05/13/14 12:51	
Chloromethane	ug/L	ND	5.0	05/13/14 12:51	
cis-1,3-Dichloropropene	ug/L	ND	5.0	05/13/14 12:51	
Dibromochloromethane	ug/L	ND	5.0	05/13/14 12:51	
Ethylbenzene	ug/L	ND	5.0	05/13/14 12:51	
Methyl-tert-butyl ether	ug/L	ND	5.0	05/13/14 12:51	
Methylene Chloride	ug/L	ND	5.0	05/13/14 12:51	
Tetrachloroethene	ug/L	ND	5.0	05/13/14 12:51	
Toluene	ug/L	ND	5.0	05/13/14 12:51	
trans-1,2-Dichloroethene	ug/L	ND	5.0	05/13/14 12:51	
trans-1,3-Dichloropropene	ug/L	ND	5.0	05/13/14 12:51	
Trichloroethene	ug/L	ND	5.0	05/13/14 12:51	
Trichlorofluoromethane	ug/L	ND	5.0	05/13/14 12:51	
Vinyl chloride	ug/L	ND	2.0	05/13/14 12:51	
Xylene (Total)	ug/L	ND	10.0	05/13/14 12:51	
4-Bromofluorobenzene (S)	%.	99	80-114	05/13/14 12:51	
Dibromofluoromethane (S)	%.	97	79-116	05/13/14 12:51	
Toluene-d8 (S)	%.	104	81-110	05/13/14 12:51	

LABORATORY CONTROL SAMPLE: 1092864

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	17.8	89	69-126	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: E027039 / Allison Trans
Pace Project No.: 5096952

LABORATORY CONTROL SAMPLE: 1092864

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,2,2-Tetrachloroethane	ug/L	20	18.9	94	46-157	
1,1,2-Trichloroethane	ug/L	20	20.7	103	52-150	
1,1-Dichloroethane	ug/L	20	20.0	100	59-155	
1,1-Dichloroethene	ug/L	20	19.9	100	1-234	
1,2-Dichlorobenzene	ug/L	20	20.9	105	18-190	
1,2-Dichloroethane	ug/L	20	19.1	96	49-155	
1,2-Dichloropropane	ug/L	20	19.6	98	1-210	
1,3-Dichlorobenzene	ug/L	20	20.4	102	59-156	
1,4-Dichlorobenzene	ug/L	20	20.1	100	18-190	
2-Chloroethylvinyl ether	ug/L	20	ND	14	1-305	
Benzene	ug/L	20	21.7	109	37-151	
Bromodichloromethane	ug/L	20	18.2	91	35-155	
Bromoform	ug/L	20	20.4	102	45-169	
Bromomethane	ug/L	20	16.7	83	1-242	
Carbon tetrachloride	ug/L	20	15.8	79	70-140	
Chlorobenzene	ug/L	20	20.8	104	37-160	
Chloroethane	ug/L	20	20.5	103	14-230	
Chloroform	ug/L	20	20.1	101	51-138	
Chloromethane	ug/L	20	19.7	99	1-273	
cis-1,3-Dichloropropene	ug/L	20	16.4	82	1-227	
Dibromochloromethane	ug/L	20	18.6	93	53-149	
Ethylbenzene	ug/L	20	20.9	104	37-162	
Methyl-tert-butyl ether	ug/L	40	34.1	85	66-130	
Methylene Chloride	ug/L	20	18.1	91	1-221	
Tetrachloroethene	ug/L	20	20.2	101	64-148	
Toluene	ug/L	20	21.4	107	47-150	
trans-1,2-Dichloroethene	ug/L	20	19.2	96	54-156	
trans-1,3-Dichloropropene	ug/L	20	15.2	76	17-183	
Trichloroethene	ug/L	20	20.2	101	71-157	
Trichlorofluoromethane	ug/L	20	21.5	107	17-181	
Vinyl chloride	ug/L	20	19.4	97	1-251	
Xylene (Total)	ug/L	60	63.2	105	77-123	
4-Bromofluorobenzene (S)	%.			101	80-114	
Dibromofluoromethane (S)	%.			102	79-116	
Toluene-d8 (S)	%.			104	81-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1092865 1092866

Parameter	Units	5097164003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	ND	20	20	17.1	17.2	86	86	37-136	0	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20	19.9	19.4	99	97	46-157	2	20	
1,1,2-Trichloroethane	ug/L	ND	20	20	21.9	20.7	110	103	52-150	6	20	
1,1-Dichloroethane	ug/L	ND	20	20	21.5	20.7	107	103	59-155	4	20	
1,1-Dichloroethene	ug/L	ND	20	20	20.9	20.9	104	104	1-234	0	20	
1,2-Dichlorobenzene	ug/L	ND	20	20	22.7	21.9	113	109	18-190	4	20	
1,2-Dichloroethane	ug/L	ND	20	20	20.1	19.3	100	96	49-155	4	20	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: E027039 / Allison Trans
Pace Project No.: 5096952

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1092865 1092866

Parameter	Units	5097164003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloropropane	ug/L	ND	20	20	20.6	20.7	103	103	1-210	0	20	
1,3-Dichlorobenzene	ug/L	ND	20	20	22.0	21.2	110	106	59-156	4	20	
1,4-Dichlorobenzene	ug/L	ND	20	20	22.0	21.1	110	106	18-190	4	20	
Benzene	ug/L	ND	20	20	22.9	22.7	114	114	37-151	1	20	
Bromodichloromethane	ug/L	ND	20	20	17.6	17.8	88	89	35-155	1	20	
Bromoform	ug/L	ND	20	20	20.1	19.4	101	97	45-169	4	20	
Bromomethane	ug/L	ND	20	20	12.0	15.5	60	78	1-242	26	20	R1
Carbon tetrachloride	ug/L	ND	20	20	14.0	14.6	70	73	70-140	4	20	
Chlorobenzene	ug/L	ND	20	20	21.6	21.3	108	107	37-160	1	20	
Chloroethane	ug/L	ND	20	20	22.0	21.5	110	107	14-230	2	20	
Chloroform	ug/L	ND	20	20	21.4	21.1	107	106	51-138	1	20	
Chloromethane	ug/L	ND	20	20	22.0	21.4	110	107	1-273	3	20	
cis-1,3-Dichloropropene	ug/L	ND	20	20	15.8	15.9	79	80	1-227	1	20	
Dibromochloromethane	ug/L	ND	20	20	18.2	18.1	91	90	53-149	1	20	
Ethylbenzene	ug/L	ND	20	20	21.2	21.4	106	107	37-162	1	20	
Methyl-tert-butyl ether	ug/L	ND	40	40	34.4	34.7	86	87	39-158	1	20	
Methylene Chloride	ug/L	ND	20	20	20.6	20.9	103	105	1-221	2	20	
Tetrachloroethene	ug/L	ND	20	20	21.6	21.0	108	105	64-148	3	20	
Toluene	ug/L	ND	20	20	22.8	22.3	114	112	47-150	2	20	
trans-1,2-Dichloroethene	ug/L	ND	20	20	20.6	20.3	103	101	54-156	2	20	
trans-1,3-Dichloropropene	ug/L	ND	20	20	14.2	14.5	71	73	17-183	2	20	
Trichloroethene	ug/L	ND	20	20	20.8	20.1	104	101	71-157	3	20	
Trichlorofluoromethane	ug/L	ND	20	20	23.1	23.1	116	115	17-181	0	20	
Vinyl chloride	ug/L	ND	20	20	20.4	20.9	102	104	1-251	3	20	
Xylene (Total)	ug/L	ND	60	60	67.5	66.9	112	112	28-158	1	20	
4-Bromofluorobenzene (S)	%.						100	101	80-114			
Dibromofluoromethane (S)	%.						100	102	79-116			
Toluene-d8 (S)	%.						104	102	81-110			

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: E027039 / Allison Trans
Pace Project No.: 5096952

QC Batch: WET/47778
QC Batch Method: EPA 1664A
Associated Lab Samples: 5096952001

Analysis Method: EPA 1664A
Analysis Description: 1664 HEM, Oil and Grease

METHOD BLANK: 1375735 Matrix: Water
Associated Lab Samples:

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	5.0	05/10/14 10:53	

LABORATORY CONTROL SAMPLE: 1375736

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	37.3	93	78-114	

MATRIX SPIKE SAMPLE: 1375739

Parameter	Units	60168413001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	ND	43.5	44.3	101	78-114	

SAMPLE DUPLICATE: 1375740

Parameter	Units	60168414001 Result	Dup Result	RPD	Max RPD	Qualifiers
Oil and Grease	mg/L	ND	ND		18	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: E027039 / Allison Trans
Pace Project No.: 5096952

QC Batch: WET/47806
QC Batch Method: EPA 1664A
Associated Lab Samples: 5096952001

Analysis Method: EPA 1664A
Analysis Description: 1664 SGT-HEM, TPH

METHOD BLANK: 1376645
Associated Lab Samples:

Matrix: Water

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	5.0	05/13/14 12:41	

LABORATORY CONTROL SAMPLE: 1376646

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	20	19.4	97	64-132	

MATRIX SPIKE SAMPLE: 1376648

Parameter	Units	60168874001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	20.2	18.8	84	64-132	

SAMPLE DUPLICATE: 1376647

Parameter	Units	60168320002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	2.5J		34	

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: E027039 / Allison Trans
Pace Project No.: 5096952

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-I	Pace Analytical Services - Indianapolis
PASI-K	Pace Analytical Services - Kansas City

ANALYTE QUALIFIERS

R1	RPD value was outside control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: E027039 / Allison Trans
Pace Project No.: 5096952

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
5096952002	**Outfall-004-Effluent(043014)**	EPA 624	MSV/64652		
5096952001	**Outfall-003(043014)**	EPA 1664A	WET/47778		
5096952001	**Outfall-003(043014)**	EPA 1664A	WET/47806		

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GM REALM ENCORE

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

PAGE 1 OF 1

ID # Nº 09493

SSOW Ref. Code: EQL7039

Required Client Information:

Company: Arcadis	Report To: E. Moosbrugger
Address: 132 E. Washington St. #200	Copy To: S. Fisher
	Invoice To: Corporate
Indpls, IN 46204	P.O.: IN000473.0019
Phone: 317-231-6500	Project Name: Allison Trans
Fax: x6514	Project Number: IN473.19
E-mail: Eric.Moosbrugger@Arcadis-us.com	

Laboratory:	Pace Analytical
Laboratory Location:	Indpls
Laboratory Contact:	
Requested Due Date:	TAT: 5 Days
QA/QC Requirements:	

Valid Matrix Codes: WG Groundwater; WB Borehole Water; WS Surface Water; SO Soil; SE Sediment; See Back for Additional Codes

	Sample Identification:	Matrix Code	Date Collected	Time Collected	# Containers	Preservative: Unpreserved	HCl	H2SO4	HNO3	NaOH	Other:	Analysis and Method: VOCs 624	O&G/TPH 1664	Remarks/Lab ID
1.	Outfall-003 (043014)	WT	30 Apr 14	8:00	2		2						2	001
2.	Outfall-004-Effluent (043014)	WT	30 Apr 14	8:30	3		3					3		002
3.														
4.														
5.														
6.														
7.														
8.														
9.														
10.														
11.														
12.														
13.														
14.														
15.														
	TOTAL NUMBER OF CONTAINERS													

5096952

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY / AFFILIATION	DATE	TIME	RECEIVED BY / AFFILIATION	DATE	TIME
Hand	1	Chad Botrom / Arcadis	4/30/14	8:45	[illegible] / Arcadis	4/30/14	8:45
AIRBILL NO.		[illegible]	4/30/14	9:20			
					[illegible]	4-30-14	9:20

Sample Condition

Temp in °C	4°
Received on Ice	Y / N
Sealed Cooler	Y / N
Samples Intact	Y / N

Additional Comments:

WT / Client

Sampler Name: Chad Botrom

Sampler Signature: [signature] Date: 4/30/14

Distribution: WHITE - Fully Executed Copy YELLOW - Receiving Laboratory Copy PINK - Sampler Copy

REV. 0 (6/04)

Reference 23 Page 1429

Page 1 of 1

Sample Condition Upon Receipt

Pace Analytical Client Name: Arcadis Project # 5296952

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☑ Client ☐ Commercial ☐ Pace Other _____

Tracking #: _____

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals Intact: ☐ yes ☑ no

Date/Time 5035A kits placed in freezer: _____

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other Ice

Thermometer Used: 1 2 3 4 8 A B C D E Type of Ice: Wet Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature (Corrected, if applicable): 8.1 Ice Visible in Sample Containers: ☐ yes ☑ no

Temp should be above freezing to 6°C Just Taken

Date and Initials of person examining contents: 4/30/14 kelly

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	5.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	6.
Containers Intact:	☑Yes ☐No ☐N/A	7.
Sample Labels match COC: -Includes date/time/ID/Analysis	☑Yes ☐No ☐N/A	8.
All containers needing acid/base pres. have been checked? exceptions: VOA, coliform, TOC, O&G	☐Yes ☐No ☑N/A	9. (Circle) HNO3 H2SO4 NaOH HCl
All containers needing preservation are found to be in compliance with EPA recommendation (<2, >9, >12) unless otherwise noted.		
Headspace in VOA Vials (>6mm):	☐Yes ☑No ☐N/A	10.
Trip Blank Present:	☐Yes ☑No ☐N/A	11.
Trip Blank Custody Seals Present	☐Yes ☐No ☑N/A	
Project Manager Review:		
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	12.
Sufficient Volume:	☑Yes ☐No ☐N/A	13.
Correct Containers Used:	☑Yes ☐No ☐N/A	14.

Field Data Required? Y / N

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ Date: 4/30/14

Form F-IN-Q-290-rev.05, 10Sep2013

Sample Container Count

CLIENT: Arcadis

COC PAGE 1 of 1
COC ID# 09493

Project # 5096952

Sample Line Item	DG9H	AG1U	WGFU	AG0U	R	4 / 6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	BP3C	BP1U	SPST	____	pH <2	pH>12	Comments
1														2							
2	3																				
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

Container Codes

DG9H	40mL HCL amber voa vial	AG0U	100mL unpreserved amber gl	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber gla	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber g	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	I	Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber g	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber g	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gl	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

Pace Analytical Services, Inc.
1233 Dublin Road
Columbus, OH 43215
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

May 16, 2014

Ms. Susan Scrocchi
Conestoga-Rovers and Associates
2055 Niagara Falls Blvd
Suite 2
Niagara Falls, NY 14304

RE: Project: E027039 / Allison Trans
Pace Project No.: 5097119

Dear Ms. Scrocchi:
Enclosed are the analytical results for sample(s) received by the laboratory on May 02, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Donna S. Spyker

Donna Spyker
donna.spyker@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: E027039 / Allison Trans
Pace Project No.: 5097119

Indiana Certification IDs
7726 Moller Road, Indianapolis, IN 46268
Illinois Certification #: 200074
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky UST Certification #: 0042
Louisiana/NELAP Certification #: 04076
Ohio VAP Certification #: CL-0065
West Virginia Certification #: 330

Kansas Certification IDs
9608 Loiret Boulevard, Lenexa, KS 66219
WY STR Certification #: 2456.01
Arkansas Certification #: 13-012-0
Illinois Certification #: 003097
Iowa Certification #: 118
Kansas/NELAP Certification #: E-10116
Louisiana Certification #: 03055
Nevada Certification #: KS000212008A
Oklahoma Certification #: 9205/9935
Texas Certification #: T104704407-13-4
Utah Certification #: KS000212013-3
Illinois Certification #: 003097

REPORT OF LABORATORY ANALYSIS

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(317)228-3100

SAMPLE SUMMARY

Project: E027039 / Allison Trans
Pace Project No.: 5097119

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5097119001	**Outfall-003(050214)**	Water	05/02/14 10:00	05/02/14 10:45

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SAMPLE ANALYTE COUNT

Project: E027039 / Allison Trans
Pace Project No.: 5097119

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
5097119001	Outfall-003(050214)	EPA 200.7	FRW	9	PASI-I
		EPA 1664A	JMC1	1	PASI-K
		EPA 1664A	JMC1	1	PASI-K
		EPA 7196	TPD	1	PASI-I
		EPA 335.4	ILP	1	PASI-I
		EPA 420.4	ILP	1	PASI-I

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5097119

Sample: Outfall-003(050214) **Lab ID: 5097119001** Collected: 05/02/14 10:00 Received: 05/02/14 10:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Arsenic	**17.5**	ug/L	10.0	1	05/08/14 07:34	05/08/14 15:04	7440-38-2	
Cadmium	ND	ug/L	2.0	1	05/08/14 07:34	05/08/14 15:04	7440-43-9	
Chromium	ND	ug/L	10.0	1	05/08/14 07:34	05/08/14 15:04	7440-47-3	
Copper	**5.0J**	ug/L	10.0	1	05/08/14 07:34	05/08/14 15:04	7440-50-8	
Lead	ND	ug/L	10.0	1	05/08/14 07:34	05/08/14 15:04	7439-92-1	
Nickel	**9.7J**	ug/L	10.0	1	05/08/14 07:34	05/08/14 15:04	7440-02-0	
Selenium	ND	ug/L	10.0	1	05/08/14 07:34	05/08/14 15:04	7782-49-2	
Silver	ND	ug/L	10.0	1	05/08/14 07:34	05/08/14 15:04	7440-22-4	
Zinc	**38.3**	ug/L	20.0	1	05/08/14 07:34	05/08/14 15:04	7440-66-6	
HEM, Oil and Grease	Analytical Method: EPA 1664A							
Oil and Grease	**12.4**	mg/L	5.0	1		05/13/14 06:16		
1664 SGT-HEM, TPH	Analytical Method: EPA 1664A							
Total Petroleum Hydrocarbons	**4.8J**	mg/L	5.0	1		05/14/14 07:44		
7196 Chromium, Hex. Preserved	Analytical Method: EPA 7196							
Chromium, Hexavalent	ND	mg/L	0.010	1		05/06/14 08:26	18540-29-9	
335.4 Cyanide, Total	Analytical Method: EPA 335.4 Preparation Method: EPA 335.4							
Cyanide	ND	mg/L	0.010	1	05/06/14 12:20	05/09/14 13:53	57-12-5	
420.4 Phenolics, Total	Analytical Method: EPA 420.4 Preparation Method: EPA 420.4							
Phenolics, Total Recoverable	ND	ug/L	20.0	1	05/07/14 08:30	05/07/14 13:22		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: E027039 / Allison Trans
Pace Project No.: 5097119

QC Batch: MPRP/13324
QC Batch Method: EPA 200.7
Associated Lab Samples: 5097119001

Analysis Method: EPA 200.7
Analysis Description: 200.7 Metals, Total

METHOD BLANK: 1089647
Associated Lab Samples: 5097119001

Matrix: Water

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	ND	10.0	05/08/14 14:29	
Cadmium	ug/L	ND	2.0	05/08/14 14:29	
Chromium	ug/L	ND	10.0	05/08/14 14:29	
Copper	ug/L	ND	10.0	05/08/14 14:29	
Lead	ug/L	ND	10.0	05/08/14 14:29	
Nickel	ug/L	ND	10.0	05/08/14 14:29	
Selenium	ug/L	ND	10.0	05/08/14 14:29	
Silver	ug/L	ND	10.0	05/08/14 14:29	
Zinc	ug/L	ND	20.0	05/08/14 14:29	

LABORATORY CONTROL SAMPLE: 1089648

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	1000	995	99	85-115	
Cadmium	ug/L	1000	1010	101	85-115	
Chromium	ug/L	1000	983	98	85-115	
Copper	ug/L	1000	982	98	85-115	
Lead	ug/L	1000	998	100	85-115	
Nickel	ug/L	1000	1020	102	85-115	
Selenium	ug/L	1000	1010	101	85-115	
Silver	ug/L	500	475	95	85-115	
Zinc	ug/L	1000	1010	101	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1089649 1089650

Parameter	Units	5097088001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	ND	1000	1000	1060	1030	106	103	70-130	3	20	
Cadmium	ug/L	ND	1000	1000	1060	1030	106	103	70-130	3	20	
Chromium	ug/L	ND	1000	1000	996	969	100	97	70-130	3	20	
Copper	ug/L	ND	1000	1000	1030	994	103	99	70-130	4	20	
Lead	ug/L	ND	1000	1000	1000	971	100	97	70-130	3	20	
Nickel	ug/L	11.0	1000	1000	1020	995	101	98	70-130	3	20	
Selenium	ug/L	ND	1000	1000	1110	1080	111	108	70-130	3	20	
Silver	ug/L	ND	500	500	495	480	99	96	70-130	3	20	
Zinc	ug/L	ND	1000	1000	986	959	97	94	70-130	3	20	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: E027039 / Allison Trans
Pace Project No.: 5097119

QC Batch: WET/47805
QC Batch Method: EPA 1664A
Associated Lab Samples: 5097119001

Analysis Method: EPA 1664A
Analysis Description: 1664 HEM, Oil and Grease

METHOD BLANK: 1376639
Associated Lab Samples:

Matrix: Water

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	5.0	05/13/14 06:13	

LABORATORY CONTROL SAMPLE: 1376640

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	37.5	94	78-114	

MATRIX SPIKE SAMPLE: 1376644

Parameter	Units	60168874001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	ND	40.4	23.9	55	78-114	M1

SAMPLE DUPLICATE: 1376643

Parameter	Units	60168320002 Result	Dup Result	RPD	Max RPD	Qualifiers
Oil and Grease	mg/L	ND	2.5J		18	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: E027039 / Allison Trans
Pace Project No.: 5097119

QC Batch: WET/47840
QC Batch Method: EPA 1664A
Associated Lab Samples: 5097119001

Analysis Method: EPA 1664A
Analysis Description: 1664 SGT-HEM, TPH

METHOD BLANK: 1377333
Associated Lab Samples:

Matrix: Water

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	5.0	05/14/14 07:42	

LABORATORY CONTROL SAMPLE: 1377334

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	20	20.9	104	64-132	

MATRIX SPIKE SAMPLE: 1377335

Parameter	Units	60168538001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	22.5	22.1	94	64-132	

SAMPLE DUPLICATE: 1377336

Parameter	Units	60168538002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	ND		34	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: E027039 / Allison Trans
Pace Project No.: 5097119

QC Batch: WET/15684
QC Batch Method: EPA 7196
Analysis Method: EPA 7196
Analysis Description: 7196 Chromium, Hexavalent
Associated Lab Samples: 5097119001

METHOD BLANK: 1088643
Matrix: Water
Associated Lab Samples: 5097119001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chromium, Hexavalent	mg/L	ND	0.010	05/06/14 08:21	

LABORATORY CONTROL SAMPLE: 1088644

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chromium, Hexavalent	mg/L	.5	0.54	108	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1088645 1088646

Parameter	Units	5097108005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chromium, Hexavalent	mg/L	ND	.5	.5	0.53	0.55	106	109	85-115	3	20	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: E027039 / Allison Trans
Pace Project No.: 5097119

QC Batch: WETA/12253
QC Batch Method: EPA 335.4
Analysis Method: EPA 335.4
Analysis Description: 335.4 Cyanide, Total
Associated Lab Samples: 5097119001

METHOD BLANK: 1088706
Matrix: Water
Associated Lab Samples: 5097119001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide	mg/L	ND	0.010	05/09/14 13:39	

LABORATORY CONTROL SAMPLE: 1088707

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/L	.2	0.22	109	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1088708 1088709

Parameter	Units	5097171001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cyanide	mg/L	0.34	.2	.2	0.47	0.46	66	62	90-110	2	20	M3

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: E027039 / Allison Trans
Pace Project No.: 5097119

QC Batch: WETA/12251
QC Batch Method: EPA 420.4
Analysis Method: EPA 420.4
Analysis Description: 420.4 Phenolics
Associated Lab Samples: 5097119001

METHOD BLANK: 1088615
Matrix: Water
Associated Lab Samples: 5097119001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Phenolics, Total Recoverable	ug/L	ND	20.0	05/07/14 13:07	

LABORATORY CONTROL SAMPLE: 1088616

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenolics, Total Recoverable	ug/L	200	204	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1088618 1088619

Parameter	Units	5096715001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Phenolics, Total Recoverable	ug/L	90.6	200	200	284	287	97	98	90-110	1	20	

MATRIX SPIKE SAMPLE: 1088620

Parameter	Units	5097119001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phenolics, Total Recoverable	ug/L	ND	200	206	101	90-110	

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: E027039 / Allison Trans
Pace Project No.: 5097119

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-I	Pace Analytical Services - Indianapolis
PASI-K	Pace Analytical Services - Kansas City

ANALYTE QUALIFIERS

M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
M3	Matrix spike recovery was outside laboratory control limits due to matrix interferences.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: E027039 / Allison Trans
Pace Project No.: 5097119

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
5097119001	**Outfall-003(050214)**	EPA 200.7	MPRP/13324	EPA 200.7	ICP/15391
5097119001	**Outfall-003(050214)**	EPA 1664A	WET/47805		
5097119001	**Outfall-003(050214)**	EPA 1664A	WET/47840		
5097119001	**Outfall-003(050214)**	EPA 7196	WET/15684		
5097119001	**Outfall-003(050214)**	EPA 335.4	WETA/12253	EPA 335.4	WETA/12272
5097119001	**Outfall-003(050214)**	EPA 420.4	WETA/12251	EPA 420.4	WETA/12277

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GM REALM ENCORE

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

PAGE 1 OF 1

ID # Nº 09494

SSOW Ref. Code: E027039

Required Client Information:

Company: Arcadis	Report To: E. Maosbrugger
Address: 132 E. Washington St. #600	Copy To: S. Fisher
	Invoice To: Corporate
Indpls, IN 46204	P.O.: IN000473.0019.00005
Phone: 317-231-6500	Project Name: Allison Trans
Fax: 6514	Project Number: IN473.19.5
E-mail: Eric.Maosbrugger@Arcadis-US.com	

Laboratory: Pace Analytical	
Laboratory Location: Indpls	
Laboratory Contact:	
Requested Due Date:	TAT: Std.
QA/QC Requirements:	

Valid Matrix Codes: WG Groundwater, WB Borehole Water, WS Surface Water, SO Soil, SE Sediment, See Back for Additional Codes

	Sample Identification:	Matrix Code	Date Collected	Time Collected	# Containers	Preservative: Unpreserved	HCl	H2SO4	HNO3	NaOH	Other:	Analysis and Method: O&G/TPH	Metals 200.7	Hex Chrome/CN	Phenol 420.4	Remarks/Lab ID
1.	Outfall-003(050214)	WT	2May14	10:00	5		2	1	1	1		2	1	1	1	001
2.																
3.																
4.																
5.																
6.																
7.																
8.																
9.																
10.																
11.																
12.																
13.																
14.																
15.					TOTAL NUMBER OF CONTAINERS											

5097119

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY / AFFILIATION	DATE	TIME	RECEIVED BY / AFFILIATION	DATE	TIME
Hand	1	Chad Butrum / Arcadis	5/2/14	10:49	[illegible] / Pace	5/2/14	1049
AIRBILL NO.							

Sample Condition

Temp in °C	2.3 °C
Received on Ice	(Y) N
Sealed Cooler	Y / (N)
Samples Intact	(Y) / N

Additional Comments:

WF/Client

Sampler Name: Chad Butrum

Sampler Signature: Chad Butrum Date: 5/2/14

Distribution: WHITE - Fully Executed Copy YELLOW - Receiving Laboratory Copy PINK - Sampler Copy

REV. 0 (6/04)

Reference 23 Page 1445

Sample Condition Upon Receipt

Pace Analytical

Client Name: Arcadis Project # 5097119

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☒ Client ☐ Commercial ☐ Pace Other _____

Tracking #: _____

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals Intact: ☐ yes ☐ no

Date/Time 5035A kits placed in freezer: _____

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ None ☒ Other Ice

Thermometer Used: 1 2 3 4 6 A B C D E

Type of Ice: ☒ Wet Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature (Corrected, if applicable): 2.3°C

Ice Visible in Sample Containers: ☐ yes ☒ no

Date and Initials of person examining contents: 5/2/14 KDH

Temp should be above freezing to 6°C

		Comments:
Chain of Custody Present:	☒Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☒Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☒Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☒Yes ☐No ☐N/A	4.
Short Hold Time Analysis (<72hr):	☐Yes ☒No ☐N/A	5.
Rush Turn Around Time Requested:	☐Yes ☒No ☐N/A	6.
Containers Intact:	☒Yes ☐No ☐N/A	7.
Sample Labels match COC: -Includes date/time/ID/Analysis	☒Yes ☐No ☐N/A	8.
All containers needing acid/base pres. have been checked? exceptions: VOA, coliform, TOC, O&G	☒Yes ☐No ☐N/A	9. (Circle) HNO3 H2SO4 NaOH HCl
All containers needing preservation are found to be in compliance with EPA recommendation (<2, >9, >12) unless otherwise noted.		
Headspace in VOA Vials (>6mm):	☐Yes ☐No ☐N/A	10.
Trip Blank Present:	☐Yes ☐No ☐N/A	11.
Trip Blank Custody Seals Present	☐Yes ☐No ☐N/A	
Project Manager Review:		
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	12.
Sufficient Volume:	☑Yes ☐No ☐N/A	13.
Correct Containers Used:	☑Yes ☐No ☐N/A	14.

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ **Date:** _____

Form F-IN-Q-290-rev.05, 10Sep2013

Sample Container Count

CLIENT: Arcadis

COC PAGE 1 of 1

COC ID# 09494

Project # 5097119

Sample Line Item	DG9H	AG1U	WGFU	AG0U	R	4 / 6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	BP3C	BP1U	SPST		pH <2	pH>12	Comments
1										1			1	2	1				✓	✓	
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

Container Codes

DG9H	40mL HCL amber voa vial	AG0U	100mL unpreserved amber g	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber gla	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	I	Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber g	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber g	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gl	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

Reference 23 Page 1447

Pace Analytical Services, Inc.
1233 Dublin Road
Columbus, OH 43215
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

May 20, 2014

Ms. Susan Scrocchi
Conestoga-Rovers and Associates
2055 Niagara Falls Blvd
Suite 2
Niagara Falls, NY 14304

RE: Project: E027039 / Allison Trans
Pace Project No.: 5097240

Dear Ms. Scrocchi:
Enclosed are the analytical results for sample(s) received by the laboratory on May 06, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Donna S. Spyker

Donna Spyker
donna.spyker@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: E027039 / Allison Trans
Pace Project No.: 5097240

Indiana Certification IDs
7726 Moller Road, Indianapolis, IN 46268
Illinois Certification #: 200074
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky UST Certification #: 0042
Louisiana/NELAP Certification #: 04076
Ohio VAP Certification #: CL-0065
West Virginia Certification #: 330

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SAMPLE SUMMARY

Project: E027039 / Allison Trans
Pace Project No.: 5097240

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5097240001	OUTFALL-004-EFFLUENT(050614)	Water	05/06/14 12:45	05/06/14 16:35

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SAMPLE ANALYTE COUNT

Project: E027039 / Allison Trans
Pace Project No.: 5097240

Lab ID	Sample ID	Method	Analysts	Analytes Reported
5097240001	OUTFALL-004-EFFLUENT(050614)	EPA 200.7	FRW	9
		EPA 624	GRM	36
		EPA 7196	TPD	1
		EPA 335.4	ILP	1
		EPA 420.4	ILP	1

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5097240

Sample: OUTFALL-004-EFFLUENT(050614) **Lab ID: 5097240001** Collected: 05/06/14 12:45 Received: 05/06/14 16:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Arsenic	**7.3J**	ug/L	10.0	1	05/08/14 07:34	05/08/14 15:25	7440-38-2	
Cadmium	**1.1J**	ug/L	2.0	1	05/08/14 07:34	05/08/14 15:25	7440-43-9	
Chromium	ND	ug/L	10.0	1	05/08/14 07:34	05/08/14 15:25	7440-47-3	
Copper	**11.2**	ug/L	10.0	1	05/08/14 07:34	05/08/14 15:25	7440-50-8	
Lead	ND	ug/L	10.0	1	05/08/14 07:34	05/08/14 15:25	7439-92-1	
Nickel	**8.0J**	ug/L	10.0	1	05/08/14 07:34	05/08/14 15:25	7440-02-0	
Selenium	ND	ug/L	10.0	1	05/08/14 07:34	05/08/14 15:25	7782-49-2	
Silver	ND	ug/L	10.0	1	05/08/14 07:34	05/08/14 15:25	7440-22-4	
Zinc	**53.4**	ug/L	20.0	1	05/08/14 07:34	05/08/14 15:25	7440-66-6	
624 Volatile Organics	Analytical Method: EPA 624							
Benzene	ND	ug/L	5.0	1		05/16/14 19:41	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		05/16/14 19:41	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/16/14 19:41	75-25-2	
Bromomethane	ND	ug/L	5.0	1		05/16/14 19:41	74-83-9	
Carbon tetrachloride	ND	ug/L	5.0	1		05/16/14 19:41	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/16/14 19:41	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/16/14 19:41	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	50.0	1		05/16/14 19:41	110-75-8	
Chloroform	ND	ug/L	5.0	1		05/16/14 19:41	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/16/14 19:41	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		05/16/14 19:41	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		05/16/14 19:41	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		05/16/14 19:41	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		05/16/14 19:41	106-46-7	
1,1-Dichloroethane	ND	ug/L	5.0	1		05/16/14 19:41	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		05/16/14 19:41	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		05/16/14 19:41	75-35-4	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		05/16/14 19:41	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		05/16/14 19:41	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/16/14 19:41	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/16/14 19:41	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/16/14 19:41	100-41-4	
Methylene Chloride	ND	ug/L	5.0	1		05/20/14 13:53	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	5.0	1		05/16/14 19:41	1634-04-4	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/16/14 19:41	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		05/16/14 19:41	127-18-4	
Toluene	ND	ug/L	5.0	1		05/16/14 19:41	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/16/14 19:41	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		05/16/14 19:41	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		05/16/14 19:41	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/16/14 19:41	75-69-4	
Vinyl chloride	ND	ug/L	2.0	1		05/16/14 19:41	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		05/16/14 19:41	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	96	%.	79-116	1		05/16/14 19:41	1868-53-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: E027039 / Allison Trans
Pace Project No.: 5097240

Sample: OUTFALL-004-EFFLUENT(050614) **Lab ID: 5097240001** Collected: 05/06/14 12:45 Received: 05/06/14 16:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624 Volatile Organics	Analytical Method: EPA 624							
Surrogates								
4-Bromofluorobenzene (S)	99	%.	80-114	1		05/16/14 19:41	460-00-4	
Toluene-d8 (S)	107	%.	81-110	1		05/16/14 19:41	2037-26-5	
7196 Chromium, Hex. Preserved	Analytical Method: EPA 7196							
Chromium, Hexavalent	ND	mg/L	0.010	1		05/13/14 08:08	18540-29-9	
335.4 Cyanide, Total	Analytical Method: EPA 335.4 Preparation Method: EPA 335.4							
Cyanide	ND	mg/L	0.010	1	05/08/14 13:05	05/09/14 14:13	57-12-5	
420.4 Phenolics, Total	Analytical Method: EPA 420.4 Preparation Method: EPA 420.4							
Phenolics, Total Recoverable	ND	ug/L	20.0	1	05/07/14 08:30	05/07/14 13:25		

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QUALITY CONTROL DATA

Project: E027039 / Allison Trans
Pace Project No.: 5097240

QC Batch: MPRP/13324
QC Batch Method: EPA 200.7
Analysis Method: EPA 200.7
Analysis Description: 200.7 Metals, Total
Associated Lab Samples: 5097240001

METHOD BLANK: 1089647
Matrix: Water
Associated Lab Samples: 5097240001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	ND	10.0	05/08/14 14:29	
Cadmium	ug/L	ND	2.0	05/08/14 14:29	
Chromium	ug/L	ND	10.0	05/08/14 14:29	
Copper	ug/L	ND	10.0	05/08/14 14:29	
Lead	ug/L	ND	10.0	05/08/14 14:29	
Nickel	ug/L	ND	10.0	05/08/14 14:29	
Selenium	ug/L	ND	10.0	05/08/14 14:29	
Silver	ug/L	ND	10.0	05/08/14 14:29	
Zinc	ug/L	ND	20.0	05/08/14 14:29	

LABORATORY CONTROL SAMPLE: 1089648

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	1000	995	99	85-115	
Cadmium	ug/L	1000	1010	101	85-115	
Chromium	ug/L	1000	983	98	85-115	
Copper	ug/L	1000	982	98	85-115	
Lead	ug/L	1000	998	100	85-115	
Nickel	ug/L	1000	1020	102	85-115	
Selenium	ug/L	1000	1010	101	85-115	
Silver	ug/L	500	475	95	85-115	
Zinc	ug/L	1000	1010	101	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1089649 1089650

Parameter	Units	5097088001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	ND	1000	1000	1060	1030	106	103	70-130	3	20	
Cadmium	ug/L	ND	1000	1000	1060	1030	106	103	70-130	3	20	
Chromium	ug/L	ND	1000	1000	996	969	100	97	70-130	3	20	
Copper	ug/L	ND	1000	1000	1030	994	103	99	70-130	4	20	
Lead	ug/L	ND	1000	1000	1000	971	100	97	70-130	3	20	
Nickel	ug/L	11.0	1000	1000	1020	995	101	98	70-130	3	20	
Selenium	ug/L	ND	1000	1000	1110	1080	111	108	70-130	3	20	
Silver	ug/L	ND	500	500	495	480	99	96	70-130	3	20	
Zinc	ug/L	ND	1000	1000	986	959	97	94	70-130	3	20	

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QUALITY CONTROL DATA

Project: E027039 / Allison Trans
Pace Project No.: 5097240

QC Batch: MSV/64785
QC Batch Method: EPA 624
Analysis Method: EPA 624
Analysis Description: 624 MSV
Associated Lab Samples: 5097240001

METHOD BLANK: 1095090
Matrix: Water
Associated Lab Samples: 5097240001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	05/16/14 13:23	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	05/16/14 13:23	
1,1,2-Trichloroethane	ug/L	ND	5.0	05/16/14 13:23	
1,1-Dichloroethane	ug/L	ND	5.0	05/16/14 13:23	
1,1-Dichloroethene	ug/L	ND	5.0	05/16/14 13:23	
1,2-Dichlorobenzene	ug/L	ND	5.0	05/16/14 13:23	
1,2-Dichloroethane	ug/L	ND	5.0	05/16/14 13:23	
1,2-Dichloropropane	ug/L	ND	5.0	05/16/14 13:23	
1,3-Dichlorobenzene	ug/L	ND	5.0	05/16/14 13:23	
1,4-Dichlorobenzene	ug/L	ND	5.0	05/16/14 13:23	
2-Chloroethylvinyl ether	ug/L	ND	50.0	05/16/14 13:23	
Benzene	ug/L	ND	5.0	05/16/14 13:23	
Bromodichloromethane	ug/L	ND	5.0	05/16/14 13:23	
Bromoform	ug/L	ND	5.0	05/16/14 13:23	
Bromomethane	ug/L	ND	5.0	05/16/14 13:23	
Carbon tetrachloride	ug/L	ND	5.0	05/16/14 13:23	
Chlorobenzene	ug/L	ND	5.0	05/16/14 13:23	
Chloroethane	ug/L	ND	5.0	05/16/14 13:23	
Chloroform	ug/L	ND	5.0	05/16/14 13:23	
Chloromethane	ug/L	ND	5.0	05/16/14 13:23	
cis-1,3-Dichloropropene	ug/L	ND	5.0	05/16/14 13:23	
Dibromochloromethane	ug/L	ND	5.0	05/16/14 13:23	
Ethylbenzene	ug/L	ND	5.0	05/16/14 13:23	
Methyl-tert-butyl ether	ug/L	ND	5.0	05/16/14 13:23	
Methylene Chloride	ug/L	ND	5.0	05/16/14 13:23	
Tetrachloroethene	ug/L	ND	5.0	05/16/14 13:23	
Toluene	ug/L	ND	5.0	05/16/14 13:23	
trans-1,2-Dichloroethene	ug/L	ND	5.0	05/16/14 13:23	
trans-1,3-Dichloropropene	ug/L	ND	5.0	05/16/14 13:23	
Trichloroethene	ug/L	ND	5.0	05/16/14 13:23	
Trichlorofluoromethane	ug/L	ND	5.0	05/16/14 13:23	
Vinyl chloride	ug/L	ND	2.0	05/16/14 13:23	
Xylene (Total)	ug/L	ND	10.0	05/16/14 13:23	
4-Bromofluorobenzene (S)	%.	100	80-114	05/16/14 13:23	
Dibromofluoromethane (S)	%.	96	79-116	05/16/14 13:23	
Toluene-d8 (S)	%.	106	81-110	05/16/14 13:23	

LABORATORY CONTROL SAMPLE: 1095091

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	18.6	93	69-126	

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QUALITY CONTROL DATA

Project: E027039 / Allison Trans
Pace Project No.: 5097240

LABORATORY CONTROL SAMPLE: 1095091

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,2,2-Tetrachloroethane	ug/L	20	22.5	113	46-157	
1,1,2-Trichloroethane	ug/L	20	24.1	120	52-150	
1,1-Dichloroethane	ug/L	20	17.8	89	59-155	
1,1-Dichloroethene	ug/L	20	16.8	84	1-234	
1,2-Dichlorobenzene	ug/L	20	23.8	119	18-190	
1,2-Dichloroethane	ug/L	20	19.8	99	49-155	
1,2-Dichloropropane	ug/L	20	21.8	109	1-210	
1,3-Dichlorobenzene	ug/L	20	22.5	112	59-156	
1,4-Dichlorobenzene	ug/L	20	22.1	110	18-190	
2-Chloroethylvinyl ether	ug/L	20	58.9	294	1-305	
Benzene	ug/L	20	22.9	115	37-151	
Bromodichloromethane	ug/L	20	21.2	106	35-155	
Bromoform	ug/L	20	24.1	121	45-169	
Bromomethane	ug/L	20	17.1	85	1-242	
Carbon tetrachloride	ug/L	20	16.6	83	70-140	
Chlorobenzene	ug/L	20	22.2	111	37-160	
Chloroethane	ug/L	20	18.2	91	14-230	
Chloroform	ug/L	20	21.0	105	51-138	
Chloromethane	ug/L	20	18.4	92	1-273	
cis-1,3-Dichloropropene	ug/L	20	21.5	107	1-227	
Dibromochloromethane	ug/L	20	21.9	109	53-149	
Ethylbenzene	ug/L	20	22.5	112	37-162	
Methyl-tert-butyl ether	ug/L	40	36.7	92	66-130	
Methylene Chloride	ug/L	20	19.7	98	1-221	
Tetrachloroethene	ug/L	20	22.0	110	64-148	
Toluene	ug/L	20	23.9	119	47-150	
trans-1,2-Dichloroethene	ug/L	20	16.5	83	54-156	
trans-1,3-Dichloropropene	ug/L	20	19.5	97	17-183	
Trichloroethene	ug/L	20	22.1	111	71-157	
Trichlorofluoromethane	ug/L	20	19.5	97	17-181	
Vinyl chloride	ug/L	20	18.4	92	1-251	
Xylene (Total)	ug/L	60	69.2	115	77-123	
4-Bromofluorobenzene (S)	%.			102	80-114	
Dibromofluoromethane (S)	%.			100	79-116	
Toluene-d8 (S)	%.			107	81-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1095092 1095093

Parameter	Units	5097163002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	ND	20	20	17.3	17.6	86	88	37-136	2	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20	20.9	21.0	105	105	46-157	1	20	
1,1,2-Trichloroethane	ug/L	ND	20	20	23.2	23.6	116	118	52-150	2	20	
1,1-Dichloroethane	ug/L	ND	20	20	17.9	17.4	89	87	59-155	3	20	
1,1-Dichloroethene	ug/L	ND	20	20	16.8	17.0	84	85	1-234	1	20	
1,2-Dichlorobenzene	ug/L	ND	20	20	22.2	22.9	111	114	18-190	3	20	
1,2-Dichloroethane	ug/L	ND	20	20	19.8	19.9	99	100	49-155	0	20	

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QUALITY CONTROL DATA

Project: E027039 / Allison Trans
Pace Project No.: 5097240

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1095092 1095093

Parameter	Units	5097163002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloropropane	ug/L	ND	20	20	21.3	21.2	106	106	1-210	0	20	
1,3-Dichlorobenzene	ug/L	ND	20	20	21.1	21.9	105	110	59-156	4	20	
1,4-Dichlorobenzene	ug/L	ND	20	20	21.1	21.7	106	108	18-190	3	20	
Benzene	ug/L	ND	20	20	22.7	23.1	114	115	37-151	2	20	
Bromodichloromethane	ug/L	ND	20	20	20.6	21.1	103	105	35-155	2	20	
Bromoform	ug/L	ND	20	20	22.8	22.6	114	113	45-169	1	20	
Bromomethane	ug/L	ND	20	20	17.0	17.2	85	86	1-242	1	20	
Carbon tetrachloride	ug/L	ND	20	20	15.2	15.6	76	78	70-140	3	20	
Chlorobenzene	ug/L	ND	20	20	21.8	21.6	109	108	37-160	1	20	
Chloroethane	ug/L	ND	20	20	18.0	17.5	90	87	14-230	3	20	
Chloroform	ug/L	ND	20	20	21.0	20.7	105	104	51-138	1	20	
Chloromethane	ug/L	ND	20	20	18.5	18.2	92	91	1-273	2	20	
cis-1,3-Dichloropropene	ug/L	ND	20	20	20.0	19.5	100	97	1-227	3	20	
Dibromochloromethane	ug/L	ND	20	20	20.7	20.7	104	103	53-149	0	20	
Ethylbenzene	ug/L	ND	20	20	22.0	21.7	104	103	37-162	1	20	
Methyl-tert-butyl ether	ug/L	ND	40	40	35.8	35.6	89	89	39-158	0	20	
Methylene Chloride	ug/L	ND	20	20	29.2	28.4	146	142	1-221	3	20	
Tetrachloroethene	ug/L	ND	20	20	21.9	21.5	109	107	64-148	2	20	
Toluene	ug/L	ND	20	20	23.5	23.3	115	114	47-150	1	20	
trans-1,2-Dichloroethene	ug/L	ND	20	20	16.5	16.9	83	85	54-156	2	20	
trans-1,3-Dichloropropene	ug/L	ND	20	20	18.5	18.1	92	90	17-183	2	20	
Trichloroethene	ug/L	ND	20	20	21.1	21.1	106	106	71-157	0	20	
Trichlorofluoromethane	ug/L	ND	20	20	19.1	19.4	96	97	17-181	1	20	
Vinyl chloride	ug/L	ND	20	20	18.1	17.9	91	90	1-251	1	20	
Xylene (Total)	ug/L	ND	60	60	68.0	67.0	113	112	28-158	1	20	
4-Bromofluorobenzene (S)	%.						102	100	80-114			
Dibromofluoromethane (S)	%.						99	98	79-116			
Toluene-d8 (S)	%.						107	106	81-110			

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: E027039 / Allison Trans
Pace Project No.: 5097240

QC Batch: WET/15791
QC Batch Method: EPA 7196
Analysis Method: EPA 7196
Analysis Description: 7196 Chromium, Hexavalent
Associated Lab Samples: 5097240001

METHOD BLANK: 1092349
Matrix: Water
Associated Lab Samples: 5097240001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chromium, Hexavalent	mg/L	ND	0.010	05/13/14 08:07	

LABORATORY CONTROL SAMPLE: 1092350

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chromium, Hexavalent	mg/L	.5	0.48	96	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1092351 1092352

Parameter	Units	5097240001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chromium, Hexavalent	mg/L	ND	.5	.5	0.53	0.54	107	107	85-115	0	20	

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QUALITY CONTROL DATA

Project: E027039 / Allison Trans
Pace Project No.: 5097240

QC Batch: WETA/12291
QC Batch Method: EPA 335.4
Analysis Method: EPA 335.4
Analysis Description: 335.4 Cyanide, Total
Associated Lab Samples: 5097240001

METHOD BLANK: 1090279
Matrix: Water
Associated Lab Samples: 5097240001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide	mg/L	ND	0.010	05/09/14 13:56	

LABORATORY CONTROL SAMPLE: 1090280

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/L	.2	0.19	95	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1090281 1090282

Parameter	Units	5097215002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cyanide	mg/L	ND	.2	.2	0.21	0.18	104	91	90-110	12	20	

MATRIX SPIKE SAMPLE: 1090283

Parameter	Units	5097308002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/L	ND	.2	0.16	81	90-110	M0

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: E027039 / Allison Trans
Pace Project No.: 5097240

QC Batch: WETA/12251
QC Batch Method: EPA 420.4
Analysis Method: EPA 420.4
Analysis Description: 420.4 Phenolics
Associated Lab Samples: 5097240001

METHOD BLANK: 1088615
Matrix: Water
Associated Lab Samples: 5097240001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Phenolics, Total Recoverable	ug/L	ND	20.0	05/07/14 13:07	

LABORATORY CONTROL SAMPLE: 1088616

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenolics, Total Recoverable	ug/L	200	204	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1088618 1088619

Parameter	Units	5096715001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Phenolics, Total Recoverable	ug/L	90.6	200	200	284	287	97	98	90-110	1	20	

MATRIX SPIKE SAMPLE: 1088620

Parameter	Units	5097119001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Phenolics, Total Recoverable	ug/L	ND	200	206	101	90-110	

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: E027039 / Allison Trans
Pace Project No.: 5097240

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

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Pace Analytical Services, Inc.
1233 Dublin Road
Columbus, OH 43215
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: E027039 / Allison Trans
Pace Project No.: 5097240

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
5097240001	**OUTFALL-004-EFFLUENT(050614)**	EPA 200.7	MPRP/13324	EPA 200.7	ICP/15391
5097240001	**OUTFALL-004-EFFLUENT(050614)**	EPA 624	MSV/64785		
5097240001	**OUTFALL-004-EFFLUENT(050614)**	EPA 7196	WET/15791		
5097240001	**OUTFALL-004-EFFLUENT(050614)**	EPA 335.4	WETA/12291	EPA 335.4	WETA/12301
5097240001	**OUTFALL-004-EFFLUENT(050614)**	EPA 420.4	WETA/12251	EPA 420.4	WETA/12277

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GM REALM ENCORE

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

PAGE 1 OF 1

ID # Nº 09460

SSOW Ref. Code: E027639

Required Client Information:

Company: ARCADIS	Report To: E MOOSBRUGGER
Address: 132 E WASHINGTON ST	Copy To: S FISHER
SUITE 600	Invoice To: CORPORATE
INDIANAPOLIS IN 46204	P.O.: IN000473.00019.00005
Phone: 317-236-6500	Project Name: ALLISON TRANS
Fax: 317-236-6514	Project Number: IN000473.0019.5
E-mail: ERIC.MOOSBRUGGER@ARCADIS-US.COM	

Laboratory: PACE ANALYTICAL	
Laboratory Location: INDIANAPOLIS	
Laboratory Contact:	
Requested Due Date:	TAT: STD
QA/QC Recuirements:	

5D97240

Valid Matrix Codes: WG Groundwater; WB Borehole Water; WS Surface Water; SO Soil; SE Sediment; See Back for Additional Codes

	Sample Identification:	Matrix Code	Date Collected	Time Collected	# Containers	Preservative: Unpreserved	HCl	H2SO4	HNO3	NaOH	Other:	Analysis and Method: VOCs 624	Total Metals 200.7	Phenol	Hex Chrom/Cyanide								Remarks/Lab ID
1.	OUTFALL-004-EFFLUENT (050614)	WT	6MAY14	12:45	6		3	1	1	1		3	1	1	1								-001
2.																							
3.																							
4.																							
5.																							
6.																							
7.																							
8.																							
9.																							
10.																							
11.																							
12.																							
13.																							
14.																							
15.																							
	TOTAL NUMBER OF CONTAINERS																						

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY / AFFILIATION	DATE	TIME	RECEIVED BY / AFFILIATION	DATE	TIME
HAND	1	Alexandra Oppelt	05/06/14	16:35	[illegible]	5/6/14	1635
AIRBILL NO.							

Sample Condition

Temp in °C	1.2
Received on Ice	Y / N
Sealed Cooler	Y / N
Samples Intact	Y / N

Additional Comments:

Sampler Name: ALEXANDRA OPPELT

Sampler Signature: Alexandra Oppelt Date: 05/06/2014

Distribution: WHITE - Fully Executed Copy YELLOW - Receiving Laboratory Copy PINK - Sampler Copy

REV. 0 (6/04)

Reference 23 Page 1463

Sample Condition Upon Receipt

Pace Analytical

Client Name: Arcadis Project # 5092470

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☑ Client ☐ Commercial ☐ Pace Other _____

Tracking #: _____

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☑ no

Date/Time 5035A kits placed in freezer: _____

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☑ None ☐ Other _____

Thermometer Used 1 2 3 4 6 A B C D E Type of Ice: ☑ Wet Blue None ☐ Samples on Ice, cooling process has begun

Cooler Temperature (Corrected, if applicable) 1.2 Ice Visible in Sample Containers: ☐ yes ☑ no

Temp should be above freezing to 6°C

Date and Initials of person examining contents: 5/6/14 JJ

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	5.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	6.
Containers Intact:	☑Yes ☐No ☐N/A	7.
Sample Labels match COC: -Includes date/time/ID/Analysis	☑Yes ☐No ☐N/A	8.
All containers needing acid/base pres. have been checked? exceptions: VOA, coliform, TOC, O&G	☑Yes ☐No ☐N/A	9. (Circle) HNO3 H2SO4 NaOH HCl
All containers needing preservation are found to be in compliance with EPA recommendation (<2, >9, >12) unless otherwise noted.		
Headspace in VOA Vials (>6mm):	☐Yes ☑No ☐N/A	10.
Trip Blank Present:	☐Yes ☑No ☐N/A	11.
Trip Blank Custody Seals Present	☐Yes ☑No ☐N/A	
Project Manager Review		
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	12.
Sufficient Volume:	☑Yes ☐No ☐N/A	13.
Correct Containers Used:	☑Yes ☐No ☐N/A	14.

Client Notification/ Resolution: Field Date Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: [signature] **Date:** 5/6/14

Form F-IN-Q-290-rev.05, 10Sep2013

Sample Container Count

CLIENT: Arcadis

COC PAGE 1 of 1

COC ID#

Project # 5097240

Sample Line Item	DG9H	AG1U	WGFU	AG0U	R	4 / 6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	BP3C	BP1U	SPST	AG3U	pH <2	pH>12	Comments
1	3									1					1			1	✓		
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

Container Codes

DG9H	40mL HCL amber voa vial	AG0U	100mL unpreserved amber gl	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber gla	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	I	Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber g	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber g	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gl	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plasti	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

Reference 23 Page 1465

CONESTOGA-ROVERS & ASSOCIATES

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MEMORANDUM

TO:	Sarah Fisher (Sarah.Fisher@arcadis-us.com)	REF. NO.:	017307-E027039
FROM:	Angela Bown/bjw/74-NF	DATE:	May 14, 2014
CC:	Susan Scrocchi		
RE:	**Analytical Results and Full Validation Performance Monitoring-Spring 2014 General Motors Corporation-Allison Transmission Indianapolis, Indiana April 2014**		

1.0 Introduction

The following document details a validation of analytical results for groundwater samples collected in support of the Performance Monitoring-Spring 2014 Program at the Allison Transmission site in Indianapolis, Indiana during April 2014. Samples were submitted to Pace Analytical Services (Pace) located in Indianapolis, Indiana. A sample collection and analysis summary is presented in Table 1. The validated analytical results are summarized in Table 2. A summary of the analytical methodology is presented in Table 3.

Evaluation of the data was based on information obtained from the finished data sheets, raw data, chain of custody forms, calibration data, blank data, recovery data from surrogate spikes, laboratory control samples (LCS), matrix spike (MS) samples, and field quality assurance/quality control (QA/QC) samples. The assessment of analytical and in-house data included checks for: data consistency (by observing comparability of duplicate analyses), adherence to accuracy and precision criteria, and transmittal errors.

The QA/QC criteria by which these data have been assessed are outlined in the analytical methods referenced in Table 3 and applicable guidance from the document entitled, "USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review", United States Environmental Protection Agency (USEPA) 540-R-08-01, June 2008

This document will subsequently be referred to as the "Guidelines" in this Memorandum.

Full Contract Laboratory Program (CLP) equivalent raw data deliverables were provided by the laboratory. The data quality assessment and validation presented in the following subsections were performed based on the sample results, supporting QA/QC, and all raw data provided.

2.0 Sample Holding Time and Preservation

The sample holding time criteria and sample preservation requirements for the analyses are summarized in Table 3. Sample chain of custody documents and analytical reports were used to determine sample holding times. All samples were analyzed within the required holding times with the exception of a dilution for sample MW-0418-S3(040314) which was analyzed one day outside of hold time (see Table 4).

All samples were properly preserved, delivered on ice, and stored by the laboratory at the required temperature (0-6°C).

3.0 Gas Chromatography/Mass Spectrometer (GC/MS) – Tuning and Mass Calibration

Prior to volatile organic compound (VOC) analysis, the GC/MS instrumentation is tuned to ensure optimization over the mass range of interest. To evaluate instrument tuning, the method requires the analysis of specific tuning compound bromofluorobenzene (BFB). The resulting spectra must meet the criteria cited in the methods before analysis is initiated. Analysis of the tuning compound must then be repeated every 12 hours throughout sample analysis to ensure the continued optimization of the instrument.

Tuning compounds were analyzed at the required frequency throughout the volatile and semi-volatile analysis periods. All tuning criteria were met; indicating that proper optimization of the instrumentation was achieved.

4.0 Initial Calibration - Organic Analyses

GC/MS

To quantify VOC compounds of interest in samples, calibration of the GC/MS over a specific concentration range must be performed. Initially, a five-point calibration curve containing all compounds of interest is analyzed to characterize instrument response for each analyte over a specific concentration range. Linearity of the calibration curve and instrument sensitivity are evaluated against the following criteria:

i) All relative response factors (RRFs) must be greater than or equal to 0.05 (0.01 for compounds that exhibit poor response)

ii) The percent relative standard deviation (RSD) values must not exceed 20.0 percent (40.0 percent for compounds that exhibit poor response) or a minimum correlation coefficient (R) of 0.995 and minimum coefficient of determination (R^2) of 0.99 if linear and quadratic equation calibration curves, respectively, are used

The initial calibration data for VOCs were reviewed. All compounds met the above criteria for sensitivity and linearity.

5.0 Continuing Calibration - Organic Analyses

GC/MS

To ensure that instrument calibration for VOC analyses is acceptable throughout the sample analysis period, continuing calibration standards must be analyzed and compared to the initial calibration curve every 12 hours.

The following criteria were employed to evaluate continuing calibration data:

i) All RRF values must be greater than or equal to 0.05 (0.01 for compounds that exhibit poor response)

ii) Percent difference (%D) values must not exceed 25 percent (40.0 percent for compounds that exhibit poor response)

Calibration standards were analyzed at the required frequency, and most results met the above criteria for instrument sensitivity and stability. Table 5 presents the sample results that were qualified due to outlying continuing calibration results.

6.0 Laboratory Blank Analyses

Method blanks are prepared from a purified matrix and analyzed with investigative samples to determine the existence and magnitude of sample contamination introduced during the analytical procedures.

For this study, laboratory method blanks were analyzed at a minimum frequency of 1 per 20 investigative samples and/or 1 per analytical batch.

All method blank results were non-detect, indicating that laboratory contamination was not a factor for this investigation.

7.0 Surrogate spike recoveries

In accordance with the methods employed, all samples, blanks, and QC samples analyzed for organics are spiked with surrogate compounds prior to sample analysis. Surrogate recoveries provide a means to evaluate the effects of laboratory performance on individual sample matrices.

All samples submitted for VOC determinations were spiked with the appropriate number of surrogate compounds prior to sample analysis.

Surrogate recoveries were assessed against laboratory control limits. Most surrogate recoveries were within the laboratory control limits. Table 6 presents the sample results that were qualified due to outlying surrogate recoveries.

8.0 Internal Standards (IS) Analyses

IS data were evaluated for all VOC sample analyses.

To ensure that changes in the GC/MS sensitivity and response do not affect sample analysis results, IS compounds are added to each sample prior to analysis. All results are then calculated as a ratio of the IS responses.

The sample IS results were evaluated against the following criteria:

i) The retention time of the IS must not vary more than ±30 seconds from the associated calibration standard

ii) IS area counts must not vary by more than a factor of two (-50 percent to +100 percent) from the associated calibration standard

All organic IS recoveries and retention times met the above criteria with the exception of 1,4-Dichlorobenzene-d4 in sample MW-1202-S2(040314) which recovered below the acceptance criteria. Table 7 presents the sample results that were qualified due to outlying internal standard recoveries.

9.0 Laboratory Control Sample Analyses

LCS and/or laboratory control sample duplicates (LCSD) are prepared and analyzed as samples to assess the analytical efficiencies of the methods employed, independent of sample matrix effects. The relative percent difference (RPD) of the LCS/LCSD recoveries is used to evaluate analytical precision.

For this study, LCS/LCSD were analyzed at a minimum frequency of 1 per 20 investigative samples and/or 1 per analytical batch.

The LCS/LCSD contained all compounds of interest. All LCS recoveries and RPDs were within the laboratory control limits, demonstrating acceptable analytical accuracy and precision.

10.0 Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analyses

To evaluate the effects of sample matrices on the extraction or digestion process, measurement procedures, and accuracy of a particular analysis, samples are spiked with a known concentration of the analyte of concern and analyzed as MS/MSD samples. The RPD between the MS and MSD is used to assess analytical precision. If the original sample concentration is significantly greater than the spike concentration, the recovery is not assessed. High MS/MSD recoveries do not affect non-detect sample results.

MS/MSD analyses were performed as specified in Table 1.

The MS/MSD samples were spiked with all compounds of interest. All percent recoveries and RPD values were within the laboratory control limits, demonstrating acceptable analytical accuracy and precision with the exception of the sample results presented in Table 8. The non-detect sample results that were associated with extremely low MSD recoveries (< 10% recovery) were qualified as rejected.

11.0 Field QA/QC Samples

The field QA/QC consisted of two trip blank samples, two rinse blank samples, and two field duplicate sample sets.

Trip Blank and Rinse Blank Sample Analysis

To evaluate contamination from sample collection, transportation, storage, and analytical activities, two trip blanks were submitted to the laboratory for VOC analysis.

To assess field decontamination procedures, ambient conditions at the site, and cleanliness of sample containers, two rinse blanks were submitted for analysis, as identified in Table 1.

Most results were non-detect for the analytes of interest. Several targeted analytes were detected in the trip and rinse blanks. Table 9 presents the sample results that were qualified as non-detect due to analyte concentrations in the trip and rinse blanks.

Field Duplicate Sample Analysis

To assess the analytical and sampling protocol precision, 3 field duplicate sample sets were collected and submitted "blind" to the laboratory, as specified in Table 1. The RPDs associated with these duplicate samples must be less than 50 percent for water samples. If the reported concentration in either the investigative sample or its duplicate is less than five times the practical quantitation limit (PQL), the evaluation criterion is one times the PQL value for water samples.

Most field duplicate results were within acceptable agreement, demonstrating acceptable sampling and analytical precision. Table 10 presents the sample results that were qualified due to variability in the field duplicate results.

12.0 Analyte Reporting

The laboratory reported detected results down to the laboratory's method detection limit (MDL) for each analyte. Positive analyte detections less than the PQL but greater than the MDL were qualified as estimated (J) in Table 2 unless qualified otherwise in this memorandum.

Non-detect results were presented as non-detect at the PQL in Table 2.

13.0 Target Compound Identification

To minimize erroneous compound identification during organic analyses, qualitative criteria including compound retention time and mass spectra were evaluated according to the identification criteria established by the methods. The samples identified in Table 1 were reviewed. The organic compounds reported adhered to the specified identification criteria.

14.0 Conclusion

Based on the assessment detailed in the foregoing, the data summarized in Table 2 are acceptable with the specific exceptions and qualifications noted herein.

TABLE 1

SAMPLE COLLECTION AND ANALYSIS SUMMARY
PERFOMANCE MONITORING-SPRING 2014
GENERAL MOTORS CORPORATION-ALLISON TRANSMISSION
INDIANAPOLIS, INDIANA
APRIL 2014

					Analysis/Parameters	
Sample Identification	***Location***	***Matrix***	***Collection Date (mm/dd/yyyy)***	***Collection Time (hr:min)***	***VOCs***	***Comments***
Pace Job Number: 5095657						
TB-01(040314)	Trip Blank	WGQ	4/3/2014	8:00:00 AM	X	
MW-1302-S2(040314)	MW-1302-S2	WG	4/3/2014	8:35:00 AM	X	
MW-1301-S2(040314)	MW-1301-S2	WG	4/3/2014	8:45:00 AM	X	
MW-1206-S2(040314)	MW-1206-S2	WG	4/3/2014	8:50:00 AM	X	
MW-1205-S2(040314)	MW-1205-S2	WG	4/3/2014	9:20:00 AM	X	
MW-1204-S2(040314)	MW-1204-S2	WG	4/3/2014	9:25:00 AM	X	
MW-1202-S2(040314)	MW-1202-S2	WG	4/3/2014	9:30:00 AM	X	
FD-1(040314)-LM	MW-1202-S2	WG	4/3/2014	8:00:00 AM	X	MW-1202-S2(040314)
MW-1207-S2(040314)	MW-1207-S2	WG	4/3/2014	9:35:00 AM	X	
MW-1203-S2(040314)	MW-1203-S2	WG	4/3/2014	9:40:00 AM	X	
MW-0102-S2(040314)	MW-0102-S2	WG	4/3/2014	11:25:00 AM	X	
MW-0818-S3(040314)	MW-0818-S3	WG	4/3/2014	11:30:00 AM	X	
MW-1306-S2(040314)	MW-1306-S2	WG	4/3/2014	11:35:00 AM	X	
MW-0414-S2A/S2B(040314)	MW-0414-S2A/S2B	WG	4/3/2014	11:40:00 AM	X	
FD-2(040314)-LM	MW-0102-S2	WG	4/3/2014	8:00:00 AM	X	MW-0102-S2(040314)
MW-0416-S2A(040314)	MW-0416-S2A	WG	4/3/2014	11:45:00 AM	X	MS/MSD
EB-1(040314)-LM	Equipment Blank	WGQ	4/3/2014	11:50:00 AM	X	
MW-0421-S2(040314)	MW-0421-S2	WG	4/3/2014	12:20:00 PM	X	
MW-0819-S2B(040314)	MW-0819-S2B	WG	4/3/2014	12:25:00 PM	X	MS/MSD
MW-0420-S2A(040314)	MW-0420-S2A	WG	4/3/2014	12:30:00 PM	X	
EB-2(040314)-LM	Equipment Blank	WGQ	4/3/2014	12:40:00 PM	X	
MW-0419-S2B(040314)	MW-0419-S2B	WG	4/3/2014	1:00:00 PM	X	
MW-24-S2A(040314)	MW-24-S2A	WG	4/3/2014	1:10:00 PM	X	
MW-1307-S2(040314)	MW-1307-S2	WG	4/3/2014	1:15:00 PM	X	
TB-1-(040314)-AO	Trip Blank	WGQ	4/3/2014	8:00:00 AM	X	
MW-0418-S3(040314)	MW-0418-S3	WG	4/3/2014	8:50:00 AM	X	
MW-0426-S2B(040314)	MW-0426-S2B	WG	4/3/2014	9:05:00 AM	X	

TABLE 1

SAMPLE COLLECTION AND ANALYSIS SUMMARY
PERFOMANCE MONITORING-SPRING 2014
GENERAL MOTORS CORPORATION-ALLISON TRANSMISSION
INDIANAPOLIS, INDIANA
APRIL 2014

					Analysis/Parameters	
Sample Identification	*Location*	*Matrix*	*Collection Date (mm/dd/yyyy)*	*Collection Time (hr:min)*	*VOCs*	*Comments*
MW-0404-S2B(040314)	MW-0404-S2B	WG	4/3/2014	9:30:00 AM	X	
MW-0904-S2B(040314)	MW-0904-S2B	WG	4/3/2014	9:45:00 AM	X	
MW-0417-S3(040314)	MW-0417-S3	WG	4/3/2014	10:00:00 AM	X	
MW-0108-S2B(040314)	MW-0108-S2B	WG	4/3/2014	10:15:00 AM	X	
MW-0409-S3(040314)	MW-0409-S3	WG	4/3/2014	10:25:00 AM	X	
MW-0202-S2B(040314)	MW-0202-S2B	WG	4/3/2014	11:00:00 AM	X	
MW-S2-0601(040314)	MW-S2-0601	WG	4/3/2014	11:55:00 AM	X	
MW-S3-0601(040314)	MW-S3-0601	WG	4/3/2014	12:10:00 PM	X	
MW-S2A-0501(040314)	MW-S2A-0501	WG	4/3/2014	12:15:00 PM	X	
MW-S2B-0501(040314)	MW-S2B-0501	WG	4/3/2014	12:25:00 PM	X	
MW-S3-0501(040314)	MW-S3-0501	WG	4/3/2014	12:35:00 PM	X	
MW-0406-S2B(040314)	MW-0406-S2B	WG	4/3/2014	12:45:00 PM	X	
MW-0817-S2B(040314)	MW-0817-S2B	WG	4/3/2014	12:55:00 PM	X	DUP
MW-0817-S3(040314)	MW-0817-S3	WG	4/3/2014	1:05:00 PM	X	
MW-1305-S2(040314)	MW-1305-S2	WG	4/3/2014	1:20:00 PM	X	

Notes:

DUP - Laboratory Duplicate
MS - Matrix Spike
MSD - Matrix Spike Duplicate
VOCs - Volatile Organic Compounds
WG - Groundwater
WGQ - Groundwater Quality Control Sample

TABLE 2

ANALYTICAL RESULTS SUMMARY
PERFORMANCE MONITORING-SPRING 2014
GENERAL MOTORS CORPORATION - ALLISON TRANSM;ISSION
INDIANAPOLIS, INDIANA
APRIL 2014

Sample Location:	*Equipment Blank*	*Equipment Blank*	*MW-0102-S2*	*MW-0102-S2*	*MW-0108-S2B*	*MW-0202-S2B*
Sample ID:	*EB-1(040314)-LM*	*EB-2(040314)-LM*	*MW-0102-S2(040314)*	*FD-2(040314)-LM*	*MW-0108-S2B(040314)*	*MW-0202-S2B(040314)*
Sample Date:	*4/3/2014*	*4/3/2014*	*4/3/2014*	*4/3/2014*	*4/3/2014*	*4/3/2014*
Sample Depth:	-	-	*(24.5-26.5) ft BGS*	-	-	-
	(other)	*(other)*		*(Duplicate)*		
Parameters:	***Units***					
Volatile Organic Compounds						
1,1,1-Trichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2,4-Trichlorobenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dibromo-3-chloropropane (DBCP)	µg/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,2-Dibromoethane (Ethylene dibromide)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichlorobenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloropropane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,3-Dichlorobenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,4-Dichlorobenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
2-Hexanone	µg/L	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
Acetone	µg/L	78.6 J	85.0 J	100 U	100 U	100	100 U
Benzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromodichloromethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromoform	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromomethane (Methyl bromide)	µg/L	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 U	5.0 U
Carbon disulfide	µg/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
PERFORMANCE MONITORING-SPRING 2014
GENERAL MOTORS CORPORATION - ALLISON TRANSM;ISSION
INDIANAPOLIS, INDIANA
APRIL 2014

Sample Location:		*Equipment Blank*	*Equipment Blank*	*MW-0102-S2*	*MW-0102-S2*	*MW-0108-S2B*	*MW-0202-S2B*
Sample ID:		*EB-1(040314)-LM*	*EB-2(040314)-LM*	*MW-0102-S2(040314)*	*FD-2(040314)-LM*	*MW-0108-S2B(040314)*	*MW-0202-S2B(040314)*
Sample Date:		*4/3/2014*	*4/3/2014*	*4/3/2014*	*4/3/2014*	*4/3/2014*	*4/3/2014*
Sample Depth:		-	-	*(24.5-26.5) ft BGS*	-	-	-
		(other)	*(other)*		*(Duplicate)*		
Parameters:	***Units***						
Volatile Organic Compounds (Continued)							
Carbon tetrachloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform (Trichloromethane)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloromethane (Methyl chloride)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethene	µg/L	5.0 U	5.0 U	68.5	72.6	116	5.0 U
cis-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Cyclohexane	µg/L	100 U	100 U	100 U	100 U	100 U	100 U
Dibromochloromethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Isopropyl benzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methyl acetate	µg/L	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U
Methyl cyclohexane	µg/L	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U
Methyl tert butyl ether (MTBE)	µg/L	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U
Methylene chloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	µg/L	2.2 J	9.7	5.0 U	5.0 U	325	5.0 U
Toluene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,2-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	365	5.0 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
PERFORMANCE MONITORING-SPRING 2014
GENERAL MOTORS CORPORATION - ALLISON TRANSM;ISSION
INDIANAPOLIS, INDIANA
APRIL 2014

Sample Location:		*Equipment Blank*	*Equipment Blank*	*MW-0102-S2*	*MW-0102-S2*	*MW-0108-S2B*	*MW-0202-S2B*
Sample ID:		*EB-1(040314)-LM*	*EB-2(040314)-LM*	*MW-0102-S2(040314)*	*FD-2(040314)-LM*	*MW-0108-S2B(040314)*	*MW-0202-S2B(040314)*
Sample Date:		*4/3/2014*	*4/3/2014*	*4/3/2014*	*4/3/2014*	*4/3/2014*	*4/3/2014*
Sample Depth:		-	-	*(24.5-26.5) ft BGS*	-	-	-
		(other)	*(other)*		*(Duplicate)*		
Parameters:	***Units***						
Volatile Organic Compounds (Continued)							
Trichlorofluoromethane (CFC-11)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trifluorotrichloroethane (Freon 113)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Vinyl chloride	µg/L	2.0 U	2.0 U	39.4	42.5	2.0 U	2.0 U
Xylenes (total)	µg/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
PERFORMANCE MONITORING-SPRING 2014
GENERAL MOTORS CORPORATION - ALLISON TRANSM;ISSION
INDIANAPOLIS, INDIANA
APRIL 2014

	Sample Location:	*MW-0404-S2B*	*MW-0406-S2B*	*MW-0409-S3*	*MW-0414-S2A/S2B*	*MW-0416-S2A*
	Sample ID:	*MW-0404-S2B(040314)*	*MW-0406-S2B(040314)*	*MW-0409-S3(040314)*	*MW-0414-S2A/S2B(040314)*	*MW-0416-S2A(040314)*
	Sample Date:	*4/3/2014*	*4/3/2014*	*4/3/2014*	*4/3/2014*	*4/3/2014*
	Sample Depth:	-	-	-	-	-
Parameters:	***Units***					
Volatile Organic Compounds						
1,1,1-Trichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2,4-Trichlorobenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dibromo-3-chloropropane (DBCP)	µg/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,2-Dibromoethane (Ethylene dibromide)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichlorobenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloropropane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,3-Dichlorobenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,4-Dichlorobenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
2-Hexanone	µg/L	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
Acetone	µg/L	100 U	100 U	100 U	100 U	100 U
Benzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromodichloromethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromoform	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromomethane (Methyl bromide)	µg/L	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ
Carbon disulfide	µg/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
PERFORMANCE MONITORING-SPRING 2014
GENERAL MOTORS CORPORATION - ALLISON TRANSM;ISSION
INDIANAPOLIS, INDIANA
APRIL 2014

	Sample Location:	*MW-0404-S2B*	*MW-0406-S2B*	*MW-0409-S3*	*MW-0414-S2A/S2B*	*MW-0416-S2A*
	Sample ID:	*MW-0404-S2B(040314)*	*MW-0406-S2B(040314)*	*MW-0409-S3(040314)*	*MW-0414-S2A/S2B(040314)*	*MW-0416-S2A(040314)*
	Sample Date:	*4/3/2014*	*4/3/2014*	*4/3/2014*	*4/3/2014*	*4/3/2014*
	Sample Depth:	-	-	-	-	-
Parameters:	***Units***					
Volatile Organic Compounds (Continued)						
Carbon tetrachloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform (Trichloromethane)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloromethane (Methyl chloride)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethene	µg/L	5.0 U	4.5 J	5.0 U	41.5	5.0 U
cis-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Cyclohexane	µg/L	100 U	100 U	100 U	100 U	100 U
Dibromochloromethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Isopropyl benzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methyl acetate	µg/L	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U
Methyl cyclohexane	µg/L	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U
Methyl tert butyl ether (MTBE)	µg/L	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U
Methylene chloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	µg/L	5.0 U	203	5.0 U	1990	5.0 U
Toluene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,2-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene	µg/L	5.0 U	39.8	5.0 U	160	5.0 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
PERFORMANCE MONITORING-SPRING 2014
GENERAL MOTORS CORPORATION - ALLISON TRANSM;ISSION
INDIANAPOLIS, INDIANA
APRIL 2014

	Sample Location:	*MW-0404-S2B*	*MW-0406-S2B*	*MW-0409-S3*	*MW-0414-S2A/S2B*	*MW-0416-S2A*
	Sample ID:	*MW-0404-S2B(040314)*	*MW-0406-S2B(040314)*	*MW-0409-S3(040314)*	*MW-0414-S2A/S2B(040314)*	*MW-0416-S2A(040314)*
	Sample Date:	*4/3/2014*	*4/3/2014*	*4/3/2014*	*4/3/2014*	*4/3/2014*
	Sample Depth:	-	-	-	-	-
Parameters:	***Units***					
Volatile Organic Compounds (Continued)						
Trichlorofluoromethane (CFC-11)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trifluorotrichloroethane (Freon 113)	µg/L	5.0 U	-	5.0 U	5.0 U	5.0 U
Vinyl chloride	µg/L	2.0 U	2.0 U	2.0 U	2.0 U	3.9
Xylenes (total)	µg/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
PERFORMANCE MONITORING-SPRING 2014
GENERAL MOTORS CORPORATION - ALLISON TRANSM;ISSION
INDIANAPOLIS, INDIANA
APRIL 2014

	Sample Location:	*MW-0417-S3*	*MW-0418-S3*	*MW-0419-S2B*	*MW-0420-S2A*	*MW-0421-S2*
	Sample ID:	*MW-0417-S3(040314)*	*MW-0418-S3(040314)*	*MW-0419-S2B(040314)*	*MW-0420-S2A(040314)*	*MW-0421-S2(040314)*
	Sample Date:	*4/3/2014*	*4/3/2014*	*4/3/2014*	*4/3/2014*	*4/3/2014*
	Sample Depth:	-	-	-	-	-
Parameters:	***Units***					
Volatile Organic Compounds						
1,1,1-Trichloroethane	µg/L	25.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	µg/L	25.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	µg/L	25.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	µg/L	25.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethene	µg/L	25.0 U	4.3 J	5.0 U	5.0 U	5.0 U
1,2,4-Trichlorobenzene	µg/L	25.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dibromo-3-chloropropane (DBCP)	µg/L	50.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,2-Dibromoethane (Ethylene dibromide)	µg/L	25.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichlorobenzene	µg/L	25.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	µg/L	25.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloropropane	µg/L	25.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,3-Dichlorobenzene	µg/L	25.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,4-Dichlorobenzene	µg/L	25.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	125 U	25.0 U	25.0 U	25.0 U	25.0 U
2-Hexanone	µg/L	125 U	25.0 U	25.0 U	25.0 U	25.0 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	125 U	25.0 U	25.0 U	25.0 U	25.0 U
Acetone	µg/L	500 U	100 U	125	100 U	100 U
Benzene	µg/L	25.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromodichloromethane	µg/L	25.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromoform	µg/L	25.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromomethane (Methyl bromide)	µg/L	25.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ
Carbon disulfide	µg/L	50.0 U	10.0 U	10.0 U	10.0 U	10.0 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
PERFORMANCE MONITORING-SPRING 2014
GENERAL MOTORS CORPORATION - ALLISON TRANSM;ISSION
INDIANAPOLIS, INDIANA
APRIL 2014

	Sample Location:	*MW-0417-S3*	*MW-0418-S3*	*MW-0419-S2B*	*MW-0420-S2A*	*MW-0421-S2*
	Sample ID:	*MW-0417-S3(040314)*	*MW-0418-S3(040314)*	*MW-0419-S2B(040314)*	*MW-0420-S2A(040314)*	*MW-0421-S2(040314)*
	Sample Date:	*4/3/2014*	*4/3/2014*	*4/3/2014*	*4/3/2014*	*4/3/2014*
	Sample Depth:	-	-	-	-	-
Parameters:	***Units***					
Volatile Organic Compounds (Continued)						
Carbon tetrachloride	µg/L	25.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	µg/L	25.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroethane	µg/L	25.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform (Trichloromethane)	µg/L	25.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloromethane (Methyl chloride)	µg/L	25.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethene	µg/L	1710	1720 J	5.0 U	5.0 U	5.0 U
cis-1,3-Dichloropropene	µg/L	25.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Cyclohexane	µg/L	500 U	100 U	100 U	100 U	100 U
Dibromochloromethane	µg/L	25.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	25.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	µg/L	25.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Isopropyl benzene	µg/L	25.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methyl acetate	µg/L	250 U	50.0 U	50.0 U	50.0 U	50.0 U
Methyl cyclohexane	µg/L	250 U	50.0 U	50.0 U	50.0 U	50.0 U
Methyl tert butyl ether (MTBE)	µg/L	20.0 U	4.0 U	4.0 U	4.0 U	4.0 U
Methylene chloride	µg/L	25.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	µg/L	25.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	µg/L	383	100	5.0 U	86.5	5.0 U
Toluene	µg/L	25.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,2-Dichloroethene	µg/L	25.0 U	10.3	5.0 U	5.0 U	5.0 U
trans-1,3-Dichloropropene	µg/L	25.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene	µg/L	379	154	5.0 U	5.4	5.0 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
PERFORMANCE MONITORING-SPRING 2014
GENERAL MOTORS CORPORATION - ALLISON TRANSM;ISSION
INDIANAPOLIS, INDIANA
APRIL 2014

	Sample Location:	*MW-0417-S3*	*MW-0418-S3*	*MW-0419-S2B*	*MW-0420-S2A*	*MW-0421-S2*
	Sample ID:	*MW-0417-S3(040314)*	*MW-0418-S3(040314)*	*MW-0419-S2B(040314)*	*MW-0420-S2A(040314)*	*MW-0421-S2(040314)*
	Sample Date:	*4/3/2014*	*4/3/2014*	*4/3/2014*	*4/3/2014*	*4/3/2014*
	Sample Depth:	-	-	-	-	-
Parameters:	***Units***					
Volatile Organic Compounds (Continued)						
Trichlorofluoromethane (CFC-11)	µg/L	25.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trifluorotrichloroethane (Freon 113)	µg/L	25.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Vinyl chloride	µg/L	10.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Xylenes (total)	µg/L	50.0 U	10.0 U	10.0 U	10.0 U	10.0 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
PERFORMANCE MONITORING-SPRING 2014
GENERAL MOTORS CORPORATION - ALLISON TRANSM;ISSION
INDIANAPOLIS, INDIANA
APRIL 2014

	Sample Location:	*MW-0426-S2B*	*MW-0817-S2B*	*MW-0817-S3*	*MW-0818-S3*	*MW-0819-S2B*
	Sample ID:	*MW-0426-S2B(040314)*	*MW-0817-S2B(040314)*	*MW-0817-S3(040314)*	*MW-0818-S3(040314)*	*MW-0819-S2B(040314)*
	Sample Date:	*4/3/2014*	*4/3/2014*	*4/3/2014*	*4/3/2014*	*4/3/2014*
	Sample Depth:	-	-	-	-	-
Parameters:	***Units***					
Volatile Organic Compounds						
1,1,1-Trichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2,4-Trichlorobenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dibromo-3-chloropropane (DBCP)	µg/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,2-Dibromoethane (Ethylene dibromide)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichlorobenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloropropane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,3-Dichlorobenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,4-Dichlorobenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
2-Hexanone	µg/L	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
Acetone	µg/L	100 U	100 U	100 U	100 U	100 U
Benzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromodichloromethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromoform	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromomethane (Methyl bromide)	µg/L	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U
Carbon disulfide	µg/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
PERFORMANCE MONITORING-SPRING 2014
GENERAL MOTORS CORPORATION - ALLISON TRANSM;ISSION
INDIANAPOLIS, INDIANA
APRIL 2014

	Sample Location:	*MW-0426-S2B*	*MW-0817-S2B*	*MW-0817-S3*	*MW-0818-S3*	*MW-0819-S2B*
	Sample ID:	*MW-0426-S2B(040314)*	*MW-0817-S2B(040314)*	*MW-0817-S3(040314)*	*MW-0818-S3(040314)*	*MW-0819-S2B(040314)*
	Sample Date:	*4/3/2014*	*4/3/2014*	*4/3/2014*	*4/3/2014*	*4/3/2014*
	Sample Depth:	-	-	-	-	-
Parameters:	***Units***					
Volatile Organic Compounds (Continued)						
Carbon tetrachloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform (Trichloromethane)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloromethane (Methyl chloride)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	R
cis-1,2-Dichloroethene	µg/L	107	5.0 U	5.0 U	5.6	5.0 U
cis-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Cyclohexane	µg/L	100 U	100 U	100 U	100 U	100 U
Dibromochloromethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Isopropyl benzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methyl acetate	µg/L	50.0 U	50.0 U	50.0 U	50.0 U	R
Methyl cyclohexane	µg/L	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U
Methyl tert butyl ether (MTBE)	µg/L	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U
Methylene chloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Toluene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,2-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
PERFORMANCE MONITORING-SPRING 2014
GENERAL MOTORS CORPORATION - ALLISON TRANSM;ISSION
INDIANAPOLIS, INDIANA
APRIL 2014

	Sample Location:	*MW-0426-S2B*	*MW-0817-S2B*	*MW-0817-S3*	*MW-0818-S3*	*MW-0819-S2B*
	Sample ID:	*MW-0426-S2B(040314)*	*MW-0817-S2B(040314)*	*MW-0817-S3(040314)*	*MW-0818-S3(040314)*	*MW-0819-S2B(040314)*
	Sample Date:	*4/3/2014*	*4/3/2014*	*4/3/2014*	*4/3/2014*	*4/3/2014*
	Sample Depth:	-	-	-	-	-
Parameters:	***Units***					
Volatile Organic Compounds (Continued)						
Trichlorofluoromethane (CFC-11)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	R
Trifluorotrichloroethane (Freon 113)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Vinyl chloride	µg/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Xylenes (total)	µg/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
PERFORMANCE MONITORING-SPRING 2014
GENERAL MOTORS CORPORATION - ALLISON TRANSM;ISSION
INDIANAPOLIS, INDIANA
APRIL 2014

	Sample Location:	*MW-0904-S2B*	*MW-1202-S2*	*MW-1202-S2*	*MW-1203-S2*	*MW-1204-S2*	*MW-1205-S2*
	Sample ID:	*MW-0904-S2B(040314)*	*FD-1(040314)-LM*	*MW-1202-S2(040314)*	*MW-1203-S2(040314)*	*MW-1204-S2(040314)*	*MW-1205-S2(040314)*
	Sample Date:	*4/3/2014*	*4/3/2014*	*4/3/2014*	*4/3/2014*	*4/3/2014*	*4/3/2014*
	Sample Depth:	-	-	-	-	-	-
			(Duplicate)				
Parameters:	***Units***						
Volatile Organic Compounds							
1,1,1-Trichloroethane	µg/L	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	µg/L	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	µg/L	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	µg/L	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U
1,1-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U
1,2,4-Trichlorobenzene	µg/L	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U
1,2-Dibromo-3-chloropropane (DBCP)	µg/L	10.0 U	10.0 U	10.0 UJ	10.0 U	10.0 U	10.0 U
1,2-Dibromoethane (Ethylene dibromide)	µg/L	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U
1,2-Dichlorobenzene	µg/L	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	µg/L	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U
1.2-Dichloropropane	µg/L	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U
1,3-Dichlorobenzene	µg/L	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U
1,4-Dichlorobenzene	µg/L	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	25.0 U	25.0 U	25.0 UJ	25.0 U	25.0 U	25.0 U
2-Hexanone	µg/L	25.0 U	25.0 U	25.0 UJ	25.0 U	25.0 U	25.0 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	25.0 U	25.0 U	25.0 UJ	25.0 U	25.0 U	25.0 U
Acetone	µg/L	100 U	100 U	100 UJ	100 U	100 U	100 U
Benzene	µg/L	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U
Bromodichloromethane	µg/L	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U
Bromoform	µg/L	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U
Bromomethane (Methyl bromide)	µg/L	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ
Carbon disulfide	µg/L	10.0 U	10.0 U	10.0 UJ	10.0 U	10.0 U	10.0 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
PERFORMANCE MONITORING-SPRING 2014
GENERAL MOTORS CORPORATION - ALLISON TRANSM;ISSION
INDIANAPOLIS, INDIANA
APRIL 2014

	Sample Location:	*MW-0904-S2B*	*MW-1202-S2*	*MW-1202-S2*	*MW-1203-S2*	*MW-1204-S2*	*MW-1205-S2*
	Sample ID:	*MW-0904-S2B(040314)*	*FD-1(040314)-LM*	*MW-1202-S2(040314)*	*MW-1203-S2(040314)*	*MW-1204-S2(040314)*	*MW-1205-S2(040314)*
	Sample Date:	*4/3/2014*	*4/3/2014*	*4/3/2014*	*4/3/2014*	*4/3/2014*	*4/3/2014*
	Sample Depth:	-	-	-	-	-	-
			(Duplicate)				
Parameters:	***Units***						
Volatile Organic Compounds (Continued)							
Carbon tetrachloride	µg/L	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U
Chlorobenzene	µg/L	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U
Chloroethane	µg/L	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U
Chloroform (Trichloromethane)	µg/L	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U
Chloromethane (Methyl chloride)	µg/L	5.0 U	5.0 U	2.6 J	5.0 U	5.0 U	2.6 J
cis-1,2-Dichloroethene	µg/L	5.0 U	4.4 J	5.0 UJ	5.0 U	5.0 U	5.0 U
cis-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U
Cyclohexane	µg/L	100 U	100 U	100 UJ	100 U	100 U	100 U
Dibromochloromethane	µg/L	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U
Ethylbenzene	µg/L	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U
Isopropyl benzene	µg/L	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U
Methyl acetate	µg/L	50.0 U	50.0 U	50.0 UJ	50.0 U	50.0 U	50.0 U
Methyl cyclohexane	µg/L	50.0 U	50.0 U	50.0 UJ	50.0 U	50.0 U	50.0 U
Methyl tert butyl ether (MTBE)	µg/L	4.0 U	4.0 U	4.0 UJ	4.0 U	4.0 U	4.0 U
Methylene chloride	µg/L	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U
Styrene	µg/L	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U
Tetrachloroethene	µg/L	5.0 U	49.7 J	5.0 UJ	5.0 U	5.0 U	5.0 U
Toluene	µg/L	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U
trans-1,2-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U
trans-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U
Trichloroethene	µg/L	5.0 U	20.9 J	1.0 J	5.0 U	5.0 U	5.0 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
PERFORMANCE MONITORING-SPRING 2014
GENERAL MOTORS CORPORATION - ALLISON TRANSM;ISSION
INDIANAPOLIS, INDIANA
APRIL 2014

	Sample Location:	*MW-0904-S2B*	*MW-1202-S2*	*MW-1202-S2*	*MW-1203-S2*	*MW-1204-S2*	*MW-1205-S2*
	Sample ID:	*MW-0904-S2B(040314)*	*FD-1(040314)-LM*	*MW-1202-S2(040314)*	*MW-1203-S2(040314)*	*MW-1204-S2(040314)*	*MW-1205-S2(040314)*
	Sample Date:	*4/3/2014*	*4/3/2014*	*4/3/2014*	*4/3/2014*	*4/3/2014*	*4/3/2014*
	Sample Depth:	-	-	-	-	-	-
			(Duplicate)				
Parameters:	***Units***						
Volatile Organic Compounds (Continued)							
Trichlorofluoromethane (CFC-11)	µg/L	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U
Trifluorotrichloroethane (Freon 113)	µg/L	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U
Vinyl chloride	µg/L	2.0 U	1.1 J	2.0 UJ	2.0 U	2.0 U	2.0 U
Xylenes (total)	µg/L	10.0 U	10.0 U	10.0 UJ	10.0 U	10.0 U	10.0 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
PERFORMANCE MONITORING-SPRING 2014
GENERAL MOTORS CORPORATION - ALLISON TRANSM;ISSION
INDIANAPOLIS, INDIANA
APRIL 2014

Sample Location:	*MW-1206-S2*	*MW-1207-S2*	*MW-1301-S2*	*MW-1302-S2*	*MW-1305-S2*
Sample ID:	*MW-1206-S2(040314)*	*MW-1207-S2(040314)*	*MW-1301-S2(040314)*	*MW-1302-S2(040314)*	*MW-1305-S2(040314)*
Sample Date:	*4/3/2014*	*4/3/2014*	*4/3/2014*	*4/3/2014*	*4/3/2014*
Sample Depth:	-	-	-	-	*(30.5-32.5) ft BGS*
Parameters:	***Units***				
Volatile Organic Compounds					
1,1,1-Trichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2,4-Trichlorobenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dibromo-3-chloropropane (DBCP)	µg/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,2-Dibromoethane (Ethylene dibromide)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichlorobenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloropropane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,3-Dichlorobenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,4-Dichlorobenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
2-Hexanone	µg/L	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
Acetone	µg/L	100 U	100 U	100 U	100 U	100 U
Benzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromodichloromethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromoform	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromomethane (Methyl bromide)	µg/L	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
Carbon disulfide	µg/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
PERFORMANCE MONITORING-SPRING 2014
GENERAL MOTORS CORPORATION - ALLISON TRANSM;ISSION
INDIANAPOLIS, INDIANA
APRIL 2014

	Sample Location:	*MW-1206-S2*	*MW-1207-S2*	*MW-1301-S2*	*MW-1302-S2*	*MW-1305-S2*
	Sample ID:	*MW-1206-S2(040314)*	*MW-1207-S2(040314)*	*MW-1301-S2(040314)*	*MW-1302-S2(040314)*	*MW-1305-S2(040314)*
	Sample Date:	*4/3/2014*	*4/3/2014*	*4/3/2014*	*4/3/2014*	*4/3/2014*
	Sample Depth:	-	-	-	-	*(30.5-32.5) ft BGS*
Parameters:	***Units***					
Volatile Organic Compounds (Continued)						
Carbon tetrachloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform (Trichloromethane)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloromethane (Methyl chloride)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethene	µg/L	3.3 J	5.0 U	8.5	5.0 U	65.1
cis-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Cyclohexane	µg/L	100 U	100 U	100 U	100 U	100 U
Dibromochloromethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	µg/L	6.2	5.0 U	5.0 U	3.5 J	5.0 U
Isopropyl benzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methyl acetate	µg/L	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U
Methyl cyclohexane	µg/L	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U
Methyl tert butyl ether (MTBE)	µg/L	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U
Methylene chloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	111
Toluene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,2-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene	µg/L	5.0 U	5.0 U	8.9	5.0 U	56.1

TABLE 2

ANALYTICAL RESULTS SUMMARY
PERFORMANCE MONITORING-SPRING 2014
GENERAL MOTORS CORPORATION - ALLISON TRANSM;ISSION
INDIANAPOLIS, INDIANA
APRIL 2014

	Sample Location:	*MW-1206-S2*	*MW-1207-S2*	*MW-1301-S2*	*MW-1302-S2*	*MW-1305-S2*
	Sample ID:	*MW-1206-S2(040314)*	*MW-1207-S2(040314)*	*MW-1301-S2(040314)*	*MW-1302-S2(040314)*	*MW-1305-S2(040314)*
	Sample Date:	*4/3/2014*	*4/3/2014*	*4/3/2014*	*4/3/2014*	*4/3/2014*
	Sample Depth:	-	-	-	-	*(30.5-32.5) ft BGS*
Parameters:	***Units***					
Volatile Organic Compounds (Continued)						
Trichlorofluoromethane (CFC-11)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trifluorotrichloroethane (Freon 113)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	-
Vinyl chloride	µg/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Xylenes (total)	µg/L	17.5	10.0 U	11.7	9.7 J	10.0 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
PERFORMANCE MONITORING-SPRING 2014
GENERAL MOTORS CORPORATION - ALLISON TRANSM;ISSION
INDIANAPOLIS, INDIANA
APRIL 2014

	Sample Location:	*MW-1306-S2*	*MW-1307-S2*	*MW-24-S2A*	*MW-S2-0601*	*MW-S2A-0501*
	Sample ID:	*MW-1306-S2(040314)*	*MW-1307-S2(040314)*	*MW-24-S2A(040314)*	*MW-S2-0601(040314)*	*MW-S2A-0501(040314)*
	Sample Date:	*4/3/2014*	*4/3/2014*	*4/3/2014*	*4/3/2014*	*4/3/2014*
	Sample Depth:	*(30.5-32.5) ft BGS*	-	-	-	-
Parameters:	*Units*					
Volatile Organic Compounds						
1,1,1-Trichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2,4-Trichlorobenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dibromo-3-chloropropane (DBCP)	µg/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
1,2-Dibromoethane (Ethylene dibromide)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichlorobenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloropropane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,3-Dichlorobenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,4-Dichlorobenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
2-Hexanone	µg/L	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
Acetone	µg/L	100 U	100 U	100 U	100 U	114
Benzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromodichloromethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromoform	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Bromomethane (Methyl bromide)	µg/L	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 U
Carbon disulfide	µg/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
PERFORMANCE MONITORING-SPRING 2014
GENERAL MOTORS CORPORATION - ALLISON TRANSM;ISSION
INDIANAPOLIS, INDIANA
APRIL 2014

	Sample Location:	*MW-1306-S2*	*MW-1307-S2*	*MW-24-S2A*	*MW-S2-0601*	*MW-S2A-0501*
	Sample ID:	*MW-1306-S2(040314)*	*MW-1307-S2(040314)*	*MW-24-S2A(040314)*	*MW-S2-0601(040314)*	*MW-S2A-0501(040314)*
	Sample Date:	*4/3/2014*	*4/3/2014*	*4/3/2014*	*4/3/2014*	*4/3/2014*
	Sample Depth:	*(30.5-32.5) ft BGS*	-	-	-	-
Parameters:	***Units***					
Volatile Organic Compounds (Continued)						
Carbon tetrachloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform (Trichloromethane)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Chloromethane (Methyl chloride)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethene	µg/L	118	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Cyclohexane	µg/L	100 U	100 U	100 U	100 U	100 U
Dibromochloromethane	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Isopropyl benzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methyl acetate	µg/L	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U
Methyl cyclohexane	µg/L	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U
Methyl tert butyl ether (MTBE)	µg/L	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U
Methylene chloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	µg/L	62.7	5.0 U	5.0 U	5.0 U	348
Toluene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,2-Dichloroethene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,3-Dichloropropene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene	µg/L	49.5	1.1 J	5.0 U	5.0 U	18.6

TABLE 2

ANALYTICAL RESULTS SUMMARY
PERFORMANCE MONITORING-SPRING 2014
GENERAL MOTORS CORPORATION - ALLISON TRANSM;ISSION
INDIANAPOLIS, INDIANA
APRIL 2014

	Sample Location:	*MW-1306-S2*	*MW-1307-S2*	*MW-24-S2A*	*MW-S2-0601*	*MW-S2A-0501*
	Sample ID:	*MW-1306-S2(040314)*	*MW-1307-S2(040314)*	*MW-24-S2A(040314)*	*MW-S2-0601(040314)*	*MW-S2A-0501(040314)*
	Sample Date:	*4/3/2014*	*4/3/2014*	*4/3/2014*	*4/3/2014*	*4/3/2014*
	Sample Depth:	*(30.5-32.5) ft BGS*	-	-	-	-
Parameters:	***Units***					
Volatile Organic Compounds (Continued)						
Trichlorofluoromethane (CFC-11)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trifluorotrichloroethane (Freon 113)	µg/L	5.0 U	5.0 U	5.0 U	-	5.0 U
Vinyl chloride	µg/L	2.3	2.0 U	2.0 U	2.0 U	2.0 U
Xylenes (total)	µg/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
PERFORMANCE MONITORING-SPRING 2014
GENERAL MOTORS CORPORATION - ALLISON TRANSM;ISSION
INDIANAPOLIS, INDIANA
APRIL 2014

	Sample Location:	*MW-S2B-0501*	*MW-S3-0501*	*MW-S3-0601*	*Trip Blank*	*Trip Blank*
	Sample ID:	*MW-S2B-0501(040314)*	*MW-S3-0501(040314)*	*MW-S3-0601(040314)*	*TB-01(040314)*	*TB-1-(040314)-AO*
	Sample Date:	*4/3/2014*	*4/3/2014*	*4/3/2014*	*4/3/2014*	*4/3/2014*
	Sample Depth:	-	-	-	-	-
					(other)	*(other)*
Parameters:	***Units***					
Volatile Organic Compounds						
1,1,1-Trichloroethane	µg/L	5.0 U	50.0 U	5.0 U	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	µg/L	5.0 U	50.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	µg/L	5.0 U	50.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	µg/L	5.0 U	50.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethene	µg/L	5.0 U	50.0 U	5.0 U	5.0 U	5.0 U
1,2,4-Trichlorobenzene	µg/L	5.0 U	50.0 U	5.0 U	5.0 U	5.0 U
1,2-Dibromo-3-chloropropane (DBCP)	µg/L	10.0 U	100 U	10.0 U	10.0 U	10.0 U
1,2-Dibromoethane (Ethylene dibromide)	µg/L	5.0 U	50.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichlorobenzene	µg/L	5.0 U	50.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	µg/L	5.0 U	50.0 U	5.0 U	5.0 U	5.0 U
1.2-Dichloropropane	µg/L	5.0 U	50.0 U	5.0 U	5.0 U	5.0 U
1,3-Dichlorobenzene	µg/L	5.0 U	50.0 U	5.0 U	5.0 U	5.0 U
1,4-Dichlorobenzene	µg/L	5.0 U	50.0 U	5.0 U	5.0 U	5.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	25.0 U	250 U	25.0 U	25.0 U	25.0 U
2-Hexanone	µg/L	25.0 U	250 U	25.0 U	25.0 U	25.0 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	25.0 U	250 U	25.0 U	25.0 U	25.0 U
Acetone	µg/L	100 U	1000 U	100 U	100 U	100 U
Benzene	µg/L	5.0 U	50.0 U	5.0 U	5.0 U	5.0 U
Bromodichloromethane	µg/L	5.0 U	50.0 U	5.0 U	5.0 U	5.0 U
Bromoform	µg/L	5.0 U	50.0 U	5.0 U	5.0 U	5.0 U
Bromomethane (Methyl bromide)	µg/L	5.0 U	50.0 U	5.0 U	5.0 U	5.0 U
Carbon disulfide	µg/L	10.0 U	100 U	10.0 U	10.0 U	10.0 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
PERFORMANCE MONITORING-SPRING 2014
GENERAL MOTORS CORPORATION - ALLISON TRANSM;ISSION
INDIANAPOLIS, INDIANA
APRIL 2014

	Sample Location:	*MW-S2B-0501*	*MW-S3-0501*	*MW-S3-0601*	*Trip Blank*	*Trip Blank*
	Sample ID:	*MW-S2B-0501(040314)*	*MW-S3-0501(040314)*	*MW-S3-0601(040314)*	*TB-01(040314)*	*TB-1-(040314)-AO*
	Sample Date:	*4/3/2014*	*4/3/2014*	*4/3/2014*	*4/3/2014*	*4/3/2014*
	Sample Depth:	-	-	-	-	-
					(other)	*(other)*
Parameters:	***Units***					
Volatile Organic Compounds (Continued)						
Carbon tetrachloride	µg/L	5.0 U	50.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	µg/L	5.0 U	50.0 U	5.0 U	5.0 U	5.0 U
Chloroethane	µg/L	5.0 U	50.0 U	5.0 U	5.0 U	5.0 U
Chloroform (Trichloromethane)	µg/L	5.0 U	50.0 U	5.0 U	5.0 U	5.0 U
Chloromethane (Methyl chloride)	µg/L	5.0 U	50.0 U	5.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethene	µg/L	20.4	188	5.0 U	5.0 U	5.0 U
cis-1,3-Dichloropropene	µg/L	5.0 U	50.0 U	5.0 U	5.0 U	5.0 U
Cyclohexane	µg/L	100 U	1000 U	100 U	100 U	100 U
Dibromochloromethane	µg/L	5.0 U	50.0 U	5.0 U	5.0 U	5.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	5.0 U	50.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	µg/L	5.0 U	50.0 U	5.0 U	5.0 U	5.0 U
Isopropyl benzene	µg/L	5.0 U	50.0 U	5.0 U	5.0 U	5.0 U
Methyl acetate	µg/L	50.0 U	500 U	50.0 U	50.0 U	50.0 U
Methyl cyclohexane	µg/L	50.0 U	500 U	50.0 U	50.0 U	50.0 U
Methyl tert butyl ether (MTBE)	µg/L	4.0 U	40.0 U	4.0 U	4.0 U	4.0 U
Methylene chloride	µg/L	5.0 U	50.0 U	5.0 U	5.0 U	5.0 U
Styrene	µg/L	5.0 U	50.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	µg/L	12.3 U	7890	5.0 U	5.0 U	5.0 U
Toluene	µg/L	5.0 U	50.0 U	5.0 U	5.0 U	5.0 U
trans-1,2-Dichloroethene	µg/L	5.0 U	50.0 U	5.0 U	5.0 U	5.0 U
trans-1,3-Dichloropropene	µg/L	5.0 U	50.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene	µg/L	4.6 J	1290	3.9 J	5.0 U	5.0 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
PERFORMANCE MONITORING-SPRING 2014
GENERAL MOTORS CORPORATION - ALLISON TRANSM;ISSION
INDIANAPOLIS, INDIANA
APRIL 2014

	Sample Location:	*MW-S2B-0501*	*MW-S3-0501*	*MW-S3-0601*	*Trip Blank*	*Trip Blank*
	Sample ID:	*MW-S2B-0501(040314)*	*MW-S3-0501(040314)*	*MW-S3-0601(040314)*	*TB-01(040314)*	*TB-1-(040314)-AO*
	Sample Date:	*4/3/2014*	*4/3/2014*	*4/3/2014*	*4/3/2014*	*4/3/2014*
	Sample Depth:	-	-	-	-	-
					(other)	*(other)*
Parameters:	***Units***					
Volatile Organic Compounds (Continued)						
Trichlorofluoromethane (CFC-11)	µg/L	5.0 U	50.0 U	5.0 U	5.0 U	5.0 U
Trifluorotrichloroethane (Freon 113)	µg/L	-	50.0 U	-	5.0 U	5.0 U
Vinyl chloride	µg/L	2.0 U	20.0 U	2.0 U	2.0 U	2.0 U
Xylenes (total)	µg/L	10.0 U	100 U	10.0 U	10.0 U	10.0 U

Notes:

J - Estimated Concentration
U - Not present at or above the associated value.
UJ - Not detected; associated reporting limit is estimated.
R - Rejected.
- - Not analyzed.

TABLE 3

ANALYTICAL METHODS AND HOLDING TIME CRITERIA
PERFOMANCE MONITORING-SPRING 2014
GENERAL MOTORS CORPORATION-ALLISON TRANSMISSION
INDIANAPOLIS, INDIANA
APRIL 2014

Parameter	*Method*	*Matrix*	*Preservation*	*Holding Time*	
				Collection to Extraction (Days)	*Collection or Extraction to Analysis (Days)*
VOCs	SW-846 8260	Water	Cool to 0-6° C HCl to pH<2	-	14

Notes

SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition, 1986, with subsequent revisions.
VOCs - Volatile Organic Compounds

TABLE 4

QUALIFIED SAMPLE RESULTS DUE TO HOLDING TIME EXCEEDANCE
PERFOMANCE MONITORING-SPRING 2014
GENERAL MOTORS CORPORATION-ALLISON TRANSMISSION
INDIANAPOLIS, INDIANA
APRIL 2014

Parameter	*Sample ID*	*Holding Time (days)*	*Holding Time Criteria (days)*	*Analyte*	*Qualified Sample Results*	*Units*
VOCs	MW-0418-S3(040314)	15	14	cis-1,2-Dichloroethene	1720 J	µg/L

Notes:

J - Estimated Concentration
VOCs - Volatile Organic Compounds

TABLE 5

QUALIFIED SAMPLE RESULTS DUE TO OUTLYING CONTINUING CALIBRATION RESULTS
PERFOMANCE MONITORING-SPRING 2014
GENERAL MOTORS CORPORATION-ALLISON TRANSMISSION
INDIANAPOLIS, INDIANA
APRIL 2014

Parameter	*Analyte*	*Calibration Date*	*%D*	*Associated Sample ID*	*Qualified Result*	*Units*
VOCs	Bromomethane (Methyl bromide)	4/16/2014	76	MW-1302-S2(040314)	5.0 UJ	µg/L
				MW-1301-S2(040314)	5.0 UJ	µg/L
				MW-1206-S2(040314)	5.0 UJ	µg/L
				MW-1205-S2(040314)	5.0 UJ	µg/L
				MW-1204-S2(040314)	5.0 UJ	µg/L
VOCs	Bromomethane (Methyl bromide)	4/17/2014	80	FD-1(040314)-LM	5.0 UJ	µg/L
				MW-1207-S2(040314)	5.0 UJ	µg/L
				MW-1203-S2(040314)	5.0 UJ	µg/L
				MW-0102-S2(040314)	5.0 UJ	µg/L
				FD-2(040314)-LM	5.0 UJ	µg/L
				MW-0818-S3(040314)	5.0 UJ	µg/L
				MW-1306-S2(040314)	5.0 UJ	µg/L
				MW-0414-S2A/S2B(040314)	5.0 UJ	µg/L
				MW-0416-S2A(040314)	5.0 UJ	µg/L
				MW-0421-S2(040314)	5.0 UJ	µg/L
				MW-0420-S2A(040314)	5.0 UJ	µg/L

Notes:

%D - Percent Difference
UJ - Not detected; associated reporting limit is estimated.
VOCs - Volatile Organic Compounds

TABLE 6

QUALIFIED SAMPLE DATA DUE TO OUTLYING SURROGATE RECOVERIES
PERFOMANCE MONITORING-SPRING 2014
GENERAL MOTORS CORPORATION-ALLISON TRANSMISSION
INDIANAPOLIS, INDIANA
APRIL 2014

Parameter	*Sample ID*	*Surrogate*	*Surrogate Recovery (percent)*	*Control Limits (percent)*	*Analyte*	*Qualified Result*	*Units*
VOCs	MW-1202-S2(040314)	Dibromofluoromethane	69	79-116	Trichloroethene	1.0 J	µg/L
		p-Bromofluorobenzene	58	80-114	Chloromethane (Methyl chloride)	2.6 J	µg/L
		Toluene-D8	151	81-110	Tetrachloroethene	3.7 J	µg/L
					Ethylbenzene	5.0 UJ	µg/L
					Styrene	5.0 UJ	µg/L
					cis-1,3-Dichloropropene	5.0 UJ	µg/L
					trans-1,3-Dichloropropene	5.0 UJ	µg/L
					1,4-Dichlorobenzene	5.0 UJ	µg/L
					1,2-Dibromoethane (Ethylene dibromide)	5.0 UJ	µg/L
					1,2-Dichloroethane	5.0 UJ	µg/L
					4-Methyl-2-pentanone	25.0 UJ	µg/L
					Methyl cyclohexane	50.0 UJ	µg/L
					Toluene	5.0 UJ	µg/L
					Chlorobenzene	5.0 UJ	µg/L
					Cyclohexane	100 UJ	µg/L
					1,2,4-Trichlorobenzene	5.0 UJ	µg/L
					Dibromochloromethane	5.0 UJ	µg/L
					Xylenes (total)	10.0 UJ	µg/L
					cis-1,2-Dichloroethene	5.0 UJ	µg/L
					trans-1,2-Dichloroethene	5.0 UJ	µg/L
					Methyl tert butyl ether (MTBE)	4.0 UJ	µg/L
					1,3-Dichlorobenzene	5.0 UJ	µg/L
					Carbon tetrachloride	5.0 UJ	µg/L
					2-Hexanone	25.0 UJ	µg/L
					Acetone	100 UJ	µg/L
					Chloroform (Trichloromethane)	5.0 UJ	µg/L
					Benzene	5.0 UJ	µg/L

TABLE 6

QUALIFIED SAMPLE DATA DUE TO OUTLYING SURROGATE RECOVERIES
PERFOMANCE MONITORING-SPRING 2014
GENERAL MOTORS CORPORATION-ALLISON TRANSMISSION
INDIANAPOLIS, INDIANA
APRIL 2014

Parameter	*Sample ID*	*Surrogate*	*Surrogate Recovery (percent)*	*Control Limits (percent)*	*Analyte*	*Qualified Result*	*Units*
VOCs	MW-1202-S2(040314)	Dibromofluoromethane	69	79-116	1,1,1-Trichloroethane	5.0 UJ	µg/L
		p-Bromofluorobenzene	58	80-114	Bromomethane (Methyl bromide)	5.0 UJ	µg/L
		Toluene-D8	151	81-110	Chloroethane	5.0 UJ	µg/L
					Vinyl chloride	2.0 UJ	µg/L
					Methylene chloride	5.0 UJ	µg/L
					Carbon disulfide	10.0 UJ	µg/L
					Bromoform	5.0 UJ	µg/L
					Bromodichloromethane	5.0 UJ	µg/L
					1,1-Dichloroethane	5.0 UJ	µg/L
					1,1-Dichloroethene	5.0 UJ	µg/L
					Trichlorofluoromethane (CFC-11)	5.0 UJ	µg/L
					Dichlorodifluoromethane (CFC-12)	5.0 UJ	µg/L
					Trifluorotrichloroethane (Freon 113)	5.0 UJ	µg/L
					1,2-Dichloropropane	5.0 UJ	µg/L
					2-Butanone (Methyl ethyl ketone) (MEK)	25.0 UJ	µg/L
					1,1,2-Trichloroethane	5.0 UJ	µg/L
					Methyl acetate	50.0 UJ	µg/L
					1,1,2,2-Tetrachloroethane	5.0 UJ	µg/L
					1,2-Dichlorobenzene	5.0 UJ	µg/L
					1,2-Dibromo-3-chloropropane (DBCP)	10.0 UJ	µg/L
					Isopropyl benzene	5.0 UJ	µg/L

Notes:

J - Estimated Concentration
UJ - Not detected; associated reporting limit is estimated.
VOCs - Volatile Organic Compounds

TABLE 7

QUALIFIED SAMPLE RESULTS DUE TO OUTLYING INTERNAL STANDARD (IS) RECOVERIES
PERFOMANCE MONITORING-SPRING 2014
GENERAL MOTORS CORPORATION-ALLISON TRANSMISSION
INDIANAPOLIS, INDIANA
APRIL 2014

Parameter	*Sample ID*	*Internal Standard*	*IS Area Count (percent)*	*Control Limits (percent)*	*Analytes*	*Qualified Result*	*Units*
VOCs	MW-1202-S2(040314)	1,4-Dichlorobenzene-d4	30	50-200	1,1,2,2-Tetrachloroethane	5.0 UJ	µg/L
					1,2,4-Trichlorobenzene	5.0 UJ	µg/L
					1,2-Dibromo-3-chloropropane (DBCP)	10.0 UJ	µg/L
					1,2-Dichlorobenzene	5.0 UJ	µg/L
					1,3-Dichlorobenzene	5.0 UJ	µg/L
					1,4-Dichlorobenzene	5.0 UJ	µg/L
					Bromoform	5.0 UJ	µg/L

Notes:

UJ - Not detected; associated reporting limit is estimated.
VOCs - Volatile Organic Compounds

TABLE 8

QUALIFIED SAMPLE RESULTS DUE TO OUTLYING MATRIX SPIKE/MATRIX SPIKE DUPLICATE RESULTS
PERFOMANCE MONITORING-SPRING 2014
GENERAL MOTORS CORPORATION-ALLISON TRANSMISSION
INDIANAPOLIS, INDIANA
APRIL 2014

Parameter	Sample ID	Analyte	MS % Recovery	MSD % Recovery	RPD (percent)	Control Limits % Recovery	Control Limits RPD	Qualified Result	Units
VOCs	MW-0819-S2B(040314)	Chloromethane (Methyl chloride)	99	8	170	30-148	0-20	R	µg/L
		Trichlorofluoromethane (CFC-11)	117	1	197	60-175	0-20	R	µg/L
		Methyl acetate	67	2	188.0	10-125	0-20	R	µg/L

Notes:

MS - Matrix Spike
MSD - Matrix Spike Duplicate
R - Rejected
RPD - Relative Percent Difference
VOCs - Volatile Organic Compounds

TABLE 9

QUALIFIED SAMPLE DATA DUE TO ANALYTE CONCENTRATIONS IN THE TRIP AND RINSE BLANKS
PERFOMANCE MONITORING-SPRING 2014
GENERAL MOTORS CORPORATION-ALLISON TRANSMISSION
INDIANAPOLIS, INDIANA
APRIL 2014

Parameter	*Blank Date*	*Analyte*	*Blank Result*	*Associated Sample ID*	*Original Result*	*Qualified Result*	*Units*
VOCs	04/03/14	Acetone	85 J	FD-2(040314)-LM	54.3 J	100 U	µg/L
				MW-0102-S2(040314)	53.8 J	100 U	µg/L
				MW-0406-S2B(040314)	79.9 J	100 U	µg/L
				MW-0414-S2A/S2B(040314)	79.9 J	100 U	µg/L
				MW-0418-S3(040314)	94.4 J	100 U	µg/L
				MW-0420-S2A(040314)	80.1 J	100 U	µg/L
				MW-0421-S2(040314)	85.7 J	100 U	µg/L
				MW-0426-S2B(040314)	97.7 J	100 U	µg/L
				MW-0818-S3(040314)	76.9 J	100 U	µg/L
				MW-1204-S2(040314)	75.0 J	100 U	µg/L
				MW-1206-S2(040314)	79.7 J	100 U	µg/L
				MW-1207-S2(040314)	82.6 J	100 U	µg/L
				MW-1302-S2(040314)	79.4 J	100 U	µg/L
				MW-1305-S2(040314)	75.2 J	100 U	µg/L
				MW-1306-S2(040314)	84.9 J	100 U	µg/L
				MW-1307-S2(040314)	97.7 J	100 U	µg/L
				MW-24-S2A(040314)	72.4 J	100 U	µg/L
				MW-S2-0601(040314)	82.7 J	100 U	µg/L
				MW-S3-0601(040314)	81.9 J	100 U	µg/L
VOCs	04/03/14	Tetrachloroethene	9.7	FD-2(040314)-LM	2.6 J	5.0 U	µg/L
				MW-0416-S2A(040314)	1.6 J	5.0 U	µg/L
				MW-0421-S2(040314)	1.4 J	5.0 U	µg/L
				MW-0819-S2B(040314)	2.6 J	5.0 U	µg/L

TABLE 9

QUALIFIED SAMPLE DATA DUE TO ANALYTE CONCENTRATIONS IN THE TRIP AND RINSE BLANKS
PERFOMANCE MONITORING-SPRING 2014
GENERAL MOTORS CORPORATION-ALLISON TRANSMISSION
INDIANAPOLIS, INDIANA
APRIL 2014

Parameter	*Blank Date*	*Analyte*	*Blank Result*	*Associated Sample ID*	*Original Result*	*Qualified Result*	*Units*
VOCs	04/03/14	Tetrachloroethene	9.7	MW-1202-S2(040314)	3.7 J	5.0 U	µg/L
				MW-1205-S2(040314)	2.4 J	5.0 U	µg/L
				MW-1301-S2(040314)	3.2 J	5.0 U	µg/L
				MW-S2B-0501(040314)	12.3	12.3 U	µg/L

Notes:

J - Estimated Concentration
U - Not detected at the associated reporting limit.
VOCs - Volatile Organic Compounds

TABLE 10

QUALIFIED SAMPLE DATA DUE TO VARIABILITY IN FIELD DUPLICATE RESULTS
PERFOMANCE MONITORING-SPRING 2014
GENERAL MOTORS CORPORATION-ALLISON TRANSMISSION
INDIANAPOLIS, INDIANA
APRIL 2014

Parameter	*Analyte*	*RPD*	*Sample ID*	*Qualified Result*	*Field Duplicate Sample ID*	*Qualified Result*	*Units*
VOCs	Tetrachloroethene	163	MW-1202-S2(040314)	5.0 UJ	FD-1(040314)-LM	49.7 J	µg/L
	Trichloroethene	182		1.0 J		20.9 J	µg/L

Notes:

RPD - Relative Percent Difference
J - Estimated Concentration
UJ - Not detected; associated reporting limit is estimated.
VOCs - Volatile Organic Compounds

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3/11/2014
Mr. Eric Moosbrugger
ARCADIS, Inc.
132 East Washington St., Suite 600

Indianapolis IN 46204

Project Name: Allison Tras
Project #: IN473.19.7
Workorder #: 1402484

Dear Mr. Eric Moosbrugger

The following report includes the data for the above referenced project for sample(s) received on 2/28/2014 at Air Toxics Ltd.

The data and associated QC analyzed by TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Ausha Scott at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Ausha Scott

Project Manager

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WORK ORDER #: 1402484

Work Order Summary

CLIENT:	Mr. Eric Moosbrugger Arcadis U.S., Inc. 132 East Washington St., Suite 600 Indianapolis, IN 46204	**BILL TO:**	Accounts Payable Arcadis U.S., Inc. 630 Plaza Drive Suite 600 Highlands Ranch, CO 80129
PHONE:	317-231-6500	**P.O. #**	IN000473.0019.00007
FAX:	317-231-6514	**PROJECT #**	IN473.19.7 Allison Tras
DATE RECEIVED:	02/28/2014	**CONTACT:**	Ausha Scott
DATE COMPLETED:	03/07/2014		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	SVE Blower Eff (022714)	TO-15	Tedlar Bag	Tedlar Bag
02A	A/S Blower Eff (022714)	TO-15	Tedlar Bag	Tedlar Bag
03A	SVE Blower Eff PH 14 (022614)	TO-15	Tedlar Bag	Tedlar Bag
04A	Lab Blank	TO-15	NA	NA
04B	Lab Blank	TO-15	NA	NA
05A	CCV	TO-15	NA	NA
05B	CCV	TO-15	NA	NA
06A	LCS	TO-15	NA	NA
06AA	LCSD	TO-15	NA	NA
06B	LCS	TO-15	NA	NA
06BB	LCSD	TO-15	NA	NA

CERTIFIED BY: Heidi Mayo DATE: 03/10/14

Technical Director

Certification numbers: AZ Licensure AZ0775, CA NELAP - 12282CA, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-13-6, UT NELAP CA009332013-4, VA NELAP - 460197, WA NELAP - C935
Name of Accrediting Agency: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005, Effective date: 10/18/2013, Expiration date: 10/17/2014.
Eurofins Air Toxics Inc.. certifies that the test results contained in this report meet all requirements of the NELAC standards

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LABORATORY NARRATIVE
EPA Method TO-15
ARCADIS, Inc.
Workorder# 1402484

Three 1 Liter Tedlar Bag samples were received on February 28, 2014. The laboratory performed analysis via EPA Method TO-15 using GC/MS in the full scan mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

Method TO-15 is validated for samples collected in specially treated canisters. As such, the use of Tedlar bags for sample collection is outside the scope of the method and not recommended for ambient or indoor air samples. It is the responsibility of the data user to determine the usability of TO-15 results generated from Tedlar bags.

Dilution was performed on samples SVE Blower Eff (022714), A/S Blower Eff (022714) and SVE Blower Eff PH 14 (022614) due to the presence of high level target species.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

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Summary of Detected Compounds
EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: SVE Blower Eff (022714)

Lab ID#: 1402484-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	10	19	40	77
Trichloroethene	10	47	54	250
Tetrachloroethene	10	2000	68	13000

Client Sample ID: A/S Blower Eff (022714)

Lab ID#: 1402484-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	1.0	1.6	4.0	6.4
Trichloroethene	1.0	7.9	5.4	42
Tetrachloroethene	1.0	180	6.8	1200
Toluene	1.0	2.3	3.8	8.6

Client Sample ID: SVE Blower Eff PH 14 (022614)

Lab ID#: 1402484-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	10	30	40	120
Trichloroethene	10	29	54	150
Tetrachloroethene	10	5600	68	38000

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Client Sample ID: SVE Blower Eff (022714)

Lab ID#: 1402484-01A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p022819**	**Date of Collection:**	**2/27/14 1:55:00 PM**
Dil. Factor:	**20.0**	**Date of Analysis:**	**2/28/14 10:11 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	10	19	40	77
Chloroform	10	Not Detected	49	Not Detected
1,1,1-Trichloroethane	10	Not Detected	54	Not Detected
Trichloroethene	10	47	54	250
Tetrachloroethene	10	2000	68	13000
Cumene	10	Not Detected	49	Not Detected
Toluene	10	Not Detected	38	Not Detected

Container Type: 1 Liter Tedlar Bag

Surrogates	%Recovery	Method Limits
Toluene-d8	106	70-130
1,2-Dichloroethane-d4	108	70-130
4-Bromofluorobenzene	83	70-130

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Client Sample ID: A/S Blower Eff (022714)

Lab ID#: 1402484-02A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p022818	Date of Collection:	2/27/14 2:00:00 PM
Dil. Factor:	2.00	Date of Analysis:	2/28/14 09:46 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	1.0	1.6	4.0	6.4
Chloroform	1.0	Not Detected	4.9	Not Detected
1,1,1-Trichloroethane	1.0	Not Detected	5.4	Not Detected
Trichloroethene	1.0	7.9	5.4	42
Tetrachloroethene	1.0	180	6.8	1200
Cumene	1.0	Not Detected	4.9	Not Detected
Toluene	1.0	2.3	3.8	8.6

Container Type: 1 Liter Tedlar Bag

Surrogates	%Recovery	Method Limits
Toluene-d8	105	70-130
1,2-Dichloroethane-d4	101	70-130
4-Bromofluorobenzene	98	70-130

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Client Sample ID: SVE Blower Eff PII 14 (022614)

Lab ID#: 1402484-03A

EPA METHOD TO-15 GC/MS

File Name:	**14022820**	**Date of Collection: 2/26/14 2:00:00 PM**	
Dil. Factor:	**2.00**	**Date of Analysis: 2/28/14 08:51 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	10	30	40	120
Chloroform	10	Not Detected	49	Not Detected
1,1,1-Trichloroethane	10	Not Detected	54	Not Detected
Trichloroethene	10	29	54	150
Toluene	10	Not Detected	38	Not Detected
Tetrachloroethene	10	5600	68	38000
Cumene	10	Not Detected	49	Not Detected

Container Type: 1 Liter Tedlar Bag

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	107	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	96	70-130

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Client Sample ID: Lab Blank

Lab ID#: 1402484-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p022807	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 2/28/14 01:46 PM	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
Cumene	0.50	Not Detected	2.4	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	106	70-130
1,2-Dichloroethane-d4	100	70-130
4-Bromofluorobenzene	86	70-130

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Client Sample ID: Lab Blank
Lab ID#: 1402484-04B
EPA METHOD TO-15 GC/MS

File Name:	14022806	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 2/28/14 01:03 PM	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	5.0	Not Detected	20	Not Detected
Chloroform	5.0	Not Detected	24	Not Detected
1,1,1-Trichloroethane	5.0	Not Detected	27	Not Detected
Trichloroethene	5.0	Not Detected	27	Not Detected
Toluene	5.0	Not Detected	19	Not Detected
Tetrachloroethene	5.0	Not Detected	34	Not Detected
Cumene	5.0	Not Detected	24	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	106	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	96	70-130

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Client Sample ID: CCV

Lab ID#: 1402484-05A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p022806**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 2/28/14 12:41 PM**	

Compound	%Recovery
cis-1,2-Dichloroethene	101
Chloroform	111
1,1,1-Trichloroethane	111
Trichloroethene	112
Tetrachloroethene	103
Cumene	96
Toluene	107

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	104	70-130
1,2-Dichloroethane-d4	102	70-130
4-Bromofluorobenzene	97	70-130

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Client Sample ID: CCV
Lab ID#: 1402484-05B
EPA METHOD TO-15 GC/MS

File Name:	**14022802**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 2/28/14 11:08 AM**	

Compound	%Recovery
cis-1,2-Dichloroethene	97
Chloroform	99
1,1,1-Trichloroethane	98
Trichloroethene	98
Toluene	98
Tetrachloroethene	99
Cumene	108

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	105	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	99	70-130

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Client Sample ID: LCS
Lab ID#: 1402484-06A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p022803	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 2/28/14 10:10 AM	

Compound	%Recovery	Method Limits
cis-1,2-Dichloroethene	105	70-130
Chloroform	105	70-130
1,1,1-Trichloroethane	102	70-130
Trichloroethene	106	70-130
Tetrachloroethene	89	70-130
Cumene	87	70-130
Toluene	98	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	108	70-130
1,2-Dichloroethane-d4	108	70-130
4-Bromofluorobenzene	91	70-130

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Client Sample ID: LCSD

Lab ID#: 1402484-06AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p022804	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 2/28/14 10:34 AM	

Compound	%Recovery	Method Limits
cis-1,2-Dichloroethene	106	70-130
Chloroform	106	70-130
1,1,1-Trichloroethane	104	70-130
Trichloroethene	104	70-130
Tetrachloroethene	90	70-130
Cumene	87	70-130
Toluene	98	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	104	70-130
1,2-Dichloroethane-d4	110	70-130
4-Bromofluorobenzene	91	70-130

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Client Sample ID: LCS
Lab ID#: 1402484-06B
EPA METHOD TO-15 GC/MS

File Name:	**14022803**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 2/28/14 11:46 AM**	

Compound	%Recovery	Method Limits
cis-1,2-Dichloroethene	111	70-130
Chloroform	106	70-130
1,1,1-Trichloroethane	104	70-130
Trichloroethene	100	70-130
Toluene	99	70-130
Tetrachloroethene	101	70-130
Cumene	111	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	103	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	98	70-130

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Client Sample ID: LCSD
Lab ID#: 1402484-06BB
EPA METHOD TO-15 GC/MS

File Name:	**14022804**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 2/28/14 12:08 PM**	

Compound	%Recovery	Method Limits
cis-1,2-Dichloroethene	113	70-130
Chloroform	105	70-130
1,1,1-Trichloroethane	103	70-130
Trichloroethene	101	70-130
Toluene	100	70-130
Tetrachloroethene	101	70-130
Cumene	114	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	104	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	100	70-130

Reference 23 Page 1522

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

PAGE 1 OF 1

ID# Nº 09490

SSOW Ref. Code: EC27C35

1402484

Required Client Information:

Company: Arcadis	Report To: E. Moosbrugger
Address: 132 E. Washington St. #1090	Copy To: S. Fister
	Invoice To: Corporate
Indpls, IN 46204	P.O.: IN000473.0019.00007
Phone: 317-231-6500	Project Name: Allison Trans
Fax: 6514	Project Number: IN473.19.7
E-mail: Eric.Moosbrugger@arcadis-us.com	

Laboratory: Air Toxics	
Laboratory Location: Folsom CA	
Laboratory Contact:	
Requested Due Date:	TAT: Std.
QA/QC Requirements:	

Valid Matrix Codes: WG Groundwater; WB Borehole Water; WS Surface Water; SO Soil; SE Sediment; See Back for Additional Codes

	Sample Identification:	Matrix Code	Date Collected	Time Collected	# Containers	Preservative: Unpreserved	HCl	H2SO4	HNO3	NaOH	Other:	Analysis and Method: Mod. TO-15	Remarks/Lab ID
1.	SVE Blower Eff (022714) GE	GE	27-Feb-14	1355	2	2						X	01A
2.	A/S Blower Eff (022714) GE	GE	27 Feb 14	1400	2	2						X	02A
3.	SVE Blower Eff PM 14 (022614)	GE	26-Feb-14	1400	2	2						X	03A
4.													
5.													
6.													
7.													
8.													
9.													
10.													
11.													
12.													
13.													
14.													
15.													
	TOTAL NUMBER OF CONTAINERS												

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY / AFFILIATION	DATE	TIME	RECEIVED BY / AFFILIATION	DATE	TIME
FedEx	1 Box	[signature] / Arcadis	2/27/14	1700	FedEx	2/27/14	17:00
AIRBILL NO.					[signature] ATL	02/28/14	09:45

Sample Condition

Temp in °C	
Received on Ice	Y / N
Sealed Cooler	Y / N
Samples Intact	Y / N

Additional Comments: 7980 5834 4690

Custody Seal Intact? Y N (None) Temp N/A

Sampler Name: Chad Butrum

Sampler Signature: [signature] Date: 2/27/14

Distribution: WHITE - Fully Executed Copy YELLOW - Receiving Laboratory Copy PINK - Sampler Copy

REV. 0 (6/04)

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5/19/2014
Mr. Eric Moosbrugger
ARCADIS, Inc.
132 East Washington St., Suite 600

Indianapolis IN 46204

Project Name: Allison Trans
Project #: IN473.19
Workorder #: 1405317

Dear Mr. Eric Moosbrugger

The following report includes the data for the above referenced project for sample(s) received on 5/16/2014 at Air Toxics Ltd.

The data and associated QC analyzed by TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Ausha Scott at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Ausha Scott

Project Manager

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WORK ORDER #: 1405317

Work Order Summary

CLIENT:	Mr. Eric Moosbrugger Arcadis U.S., Inc. 132 East Washington St., Suite 600 Indianapolis, IN 46204	**BILL TO:**	Accounts Payable Arcadis U.S., Inc. 630 Plaza Drive Suite 600 Highlands Ranch, CO 80129
PHONE:	317-231-6500	**P.O. #**	IN000473.0019
FAX:	317-231-6514	**PROJECT #**	IN473.19 Allison Trans
DATE RECEIVED:	05/16/2014	**CONTACT:**	Ausha Scott
DATE COMPLETED:	05/19/2014		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	A/S Blower Eff (051514)	TO-15	Tedlar Bag	Tedlar Bag
02A	SVE Blower Eff P/t 14 (051514)	TO-15	Tedlar Bag	Tedlar Bag
03A	Lab Blank	TO-15	NA	NA
04A	CCV	TO-15	NA	NA
05A	LCS	TO-15	NA	NA
05AA	LCSD	TO-15	NA	NA

CERTIFIED BY: Heidi Hayes DATE: 05/19/14

Technical Director

Certification numbers: AZ Licensure AZ0775, CA NELAP - 12282CA, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-13-6, UT NELAP CA009332013-4, VA NELAP - 460197, WA NELAP - C935
Name of Accrediting Agency: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005, Effective date: 10/18/2013, Expiration date: 10/17/2014.
Eurofins Air Toxics Inc.. certifies that the test results contained in this report meet all requirements of the NELAC standards

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LABORATORY NARRATIVE
EPA Method TO-15
ARCADIS, Inc.
Workorder# 1405317

Two 1 Liter Tedlar Bag samples were received on May 16, 2014. The laboratory performed analysis via EPA Method TO-15 using GC/MS in the full scan mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

Method TO-15 is validated for samples collected in specially treated canisters. As such, the use of Tedlar bags for sample collection is outside the scope of the method and not recommended for ambient or indoor air samples. It is the responsibility of the data user to determine the usability of TO-15 results generated from Tedlar bags.

Dilution was performed on samples A/S Blower Eff (051514) and SVE Blower Eff P/t 14 (051514) due to the presence of high level target species.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

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Summary of Detected Compounds
EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: A/S Blower Eff (051514)

Lab ID#: 1405317-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	6.6	95	26	380
Trichloroethene	6.6	210	36	1100
Tetrachloroethene	6.6	1900	45	13000

Client Sample ID: SVE Blower Eff P/t 14 (051514)

Lab ID#: 1405317-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	6.6	26	26	100
Trichloroethene	6.6	15	36	82
Tetrachloroethene	6.6	2600	45	18000

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Client Sample ID: A/S Blower Eff (051514)

Lab ID#: 1405317-01A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	17051709	**Date of Collection:**	5/15/14 12:00:00 PM
Dil. Factor:	13.3	**Date of Analysis:**	5/17/14 11:00 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	6.6	95	26	380
Chloroform	6.6	Not Detected	32	Not Detected
1,1,1-Trichloroethane	6.6	Not Detected	36	Not Detected
Trichloroethene	6.6	210	36	1100
Tetrachloroethene	6.6	1900	45	13000
Cumene	6.6	Not Detected	33	Not Detected
Toluene	6.6	Not Detected	25	Not Detected

Container Type: 1 Liter Tedlar Bag

Surrogates	% Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	102	70-130
4-Bromofluorobenzene	107	70-130

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Client Sample ID: SVE Blower Eff P/t 14 (051514)

Lab ID#: 1405317-02A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	17051710	Date of Collection:	5/15/14 1:00:00 PM
Dil. Factor:	13.3	Date of Analysis:	5/17/14 11:22 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	6.6	26	26	100
Chloroform	6.6	Not Detected	32	Not Detected
1,1,1-Trichloroethane	6.6	Not Detected	36	Not Detected
Trichloroethene	6.6	15	36	82
Tetrachloroethene	6.6	2600	45	18000
Cumene	6.6	Not Detected	33	Not Detected
Toluene	6.6	Not Detected	25	Not Detected

Container Type: 1 Liter Tedlar Bag

Surrogates	% Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	100	70-130
4-Bromofluorobenzene	107	70-130

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Client Sample ID: Lab Blank

Lab ID#: 1405317-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	17051708	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 5/17/14 10:04 AM	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
Cumene	0.50	Not Detected	2.4	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected

Container Type: NA - Not Applicable

Surrogates	% Recovery	Method Limits
Toluene-d8	101	70-130
1,2-Dichloroethane-d4	104	70-130
4-Bromofluorobenzene	94	70-130

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Client Sample ID: CCV

Lab ID#: 1405317-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	17051702	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 5/17/14 07:11 AM	

Compound	% Recovery
cis-1,2-Dichloroethene	112
Chloroform	110
1,1,1-Trichloroethane	111
Trichloroethene	99
Tetrachloroethene	110
Cumene	121
Toluene	100

Container Type: NA - Not Applicable

Surrogates	% Recovery	Method Limits
Toluene-d8	101	70-130
1,2-Dichloroethane-d4	107	70-130
4-Bromofluorobenzene	101	70-130

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Client Sample ID: LCS

Lab ID#: 1405317-05A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	17051703	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 5/17/14 07:33 AM	

Compound	% Recovery	Method Limits
cis-1,2-Dichloroethene	108	70-130
Chloroform	96	70-130
1,1,1-Trichloroethane	96	70-130
Trichloroethene	90	70-130
Tetrachloroethene	93	70-130
Cumene	102	70-130
Toluene	86	70-130

Container Type: NA - Not Applicable

Surrogates	% Recovery	Method Limits
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	105	70-130
4-Bromofluorobenzene	96	70-130

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Client Sample ID: LCSD

Lab ID#: 1405317-05AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	17051704	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 5/17/14 07:55 AM	

Compound	% Recovery	Method Limits
cis-1,2-Dichloroethene	108	70-130
Chloroform	97	70-130
1,1,1-Trichloroethane	97	70-130
Trichloroethene	87	70-130
Tetrachloroethene	93	70-130
Cumene	104	70-130
Toluene	84	70-130

Container Type: NA - Not Applicable

Surrogates	% Recovery	Method Limits
Toluene-d8	101	70-130
1,2-Dichloroethane-d4	107	70-130
4-Bromofluorobenzene	99	70-130

Reference 23 Page 1533

GM REALM ENCORE

1405317

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

PAGE 1 OF 1

ID # Nº 09495

SSOW Ref. Code: E027039

Required Client Information:

Company: Arcadis	Report To: E. Moosbrugger
Address: 132 E. Washington St. #600	Copy To: S. Fisher
	Invoice To: Corporate
Indpls, IN 46204	P.O.: IN000473.0019
Phone: 317-231-6500	Project Name: Allison Trans
Fax: x6514	Project Number: IN473.19
E-mail: Eric.Moosbrugger@Arcadis-US.com	

Laboratory:	Air Toxics
Laboratory Location:	Folsom, CA
Laboratory Contact:	
Requested Due Date:	TAT: std
QA/QC Requirements:	

Valid Matrix Codes:
WG Groundwater
WE Borehole Water
WS Surface Water
SO Soil
SE Sediment
See Back for Additional Codes

	Sample Identification:	Matrix Code	Date Collected	Time Collected	# Containers	Preservative: Unpreserved	HCl	H2SO4	HNO3	NaOH	Other:	Analysis and Method: Mod TO-15	Remarks/Lab ID
01.A	A/S Blower Eff (051514)	GE	15 May 14	12:00	2	2						X	
02.A	SVE Blower Eff Pit 14 (051514)	GE	15 May 14	13:00	2	2						X	
3.													
4.													
5.													
6.													
7.													
8.													
9.													
10.													
11.													
12.													
13.													
14.													
15.													
	TOTAL NUMBER OF CONTAINERS												

Cooler
Custody Seal Intact?
(Y) N None Temp NA

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY / AFFILIATION	DATE	TIME	RECEIVED BY / AFFILIATION	DATE	TIME
Fed Ex	1 Box	[signature] /Arcadis	5/15/14	16:00	[signature]	5/16/14	0945
AIRBILL NO.							

Sample Condition

Temp in °C	
Received on Ice	Y / N
Sealed Cooler	Y / N
Samples Intact	Y / N

Additional Comments: * Client Specific Parameters

Sampler Name: Chad Botrum

Sampler Signature: [signature] Date: 5/15/14

Distribution: WHITE - Fully Executed Copy YELLOW - Receiving Laboratory Copy PINK - Sampler Copy

REV. 0 (6/04)

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5/29/2014
Mr. Eric Moosbrugger
ARCADIS, Inc.
132 East Washington St., Suite 600

Indianapolis IN 46204

Project Name: Allison Trans
Project #: IN473.19.7
Workorder #: 1405408

Dear Mr. Eric Moosbrugger

The following report includes the data for the above referenced project for sample(s) received on 5/22/2014 at Air Toxics Ltd.

The data and associated QC analyzed by TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Ausha Scott at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Ausha Scott

Project Manager

eurofins | Air Toxics

WORK ORDER #: 1405408

Work Order Summary

CLIENT:	Mr. Eric Moosbrugger Arcadis U.S., Inc. 132 East Washington St., Suite 600 Indianapolis, IN 46204	**BILL TO:**	Accounts Payable Arcadis U.S., Inc. 630 Plaza Drive Suite 600 Highlands Ranch, CO 80129
PHONE:	317-231-6500	**P.O. #**	IN000473.0019.00007
FAX:	317-231-6514	**PROJECT #**	IN473.19.7 Allison Trans
DATE RECEIVED:	05/22/2014	**CONTACT:**	Ausha Scott
DATE COMPLETED:	05/29/2014		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	SVE Blower EFF (052114)	TO-15	Tedlar Bag	Tedlar Bag
02A	Lab Blank	TO-15	NA	NA
03A	CCV	TO-15	NA	NA
04A	LCS	TO-15	NA	NA
04AA	LCSD	TO-15	NA	NA

CERTIFIED BY: Heidi Hayes DATE: 05/29/14

Technical Director

Certification numbers: AZ Licensure AZ0775, CA NELAP - 12282CA, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-13-6, UT NELAP CA009332013-4, VA NELAP - 460197, WA NELAP - C935
Name of Accrediting Agency: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005, Effective date: 10/18/2013, Expiration date: 10/17/2014.
Eurofins Air Toxics Inc.. certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, Inc.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 956
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

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LABORATORY NARRATIVE
EPA Method TO-15
ARCADIS, Inc.
Workorder# 1405408

One 1 Liter Tedlar Bag sample was received on May 22, 2014. The laboratory performed analysis via EPA Method TO-15 using GC/MS in the full scan mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

Dilution was performed on sample SVE Blower EFF (052114) due to the presence of high level target species.

Method TO-15 is validated for samples collected in specially treated canisters. As such, the use of Tedlar bags for sample collection is outside the scope of the method and not recommended for ambient or indoor air samples. It is the responsibility of the data user to determine the usability of TO-15 results generated from Tedlar bags.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

eurofins | Air Toxics

Summary of Detected Compounds
EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: SVE Blower EFF (052114)

Lab ID#: 1405408-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	8.4	21	33	83
Trichloroethene	8.4	37	45	200
Tetrachloroethene	8.4	1900	57	13000
Toluene	8.4	8.3 J	31	31 J

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Client Sample ID: SVE Blower EFF (052114)

Lab ID#: 1405408-01A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	3052322	**Date of Collection:**	5/21/14 2:00:00 PM
Dil. Factor:	16.7	**Date of Analysis:**	5/23/14 08:52 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	8.4	21	33	83
Chloroform	8.4	Not Detected	41	Not Detected
1,1,1-Trichloroethane	8.4	Not Detected	46	Not Detected
Trichloroethene	8.4	37	45	200
Tetrachloroethene	8.4	1900	57	13000
Cumene	8.4	Not Detected	41	Not Detected
Toluene	8.4	8.3 J	31	31 J

J = Estimated value.

Container Type: 1 Liter Tedlar Bag

Surrogates	% Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	94	70-130
4-Bromofluorobenzene	96	70-130

eurofins | Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 1405408-02A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	3052305a	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 5/23/14 10:04 AM	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
Cumene	0.50	Not Detected	2.4	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected

Container Type: NA - Not Applicable

Surrogates	% Recovery	Method Limits
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	95	70-130
4-Bromofluorobenzene	98	70-130

eurofins | Air Toxics

Client Sample ID: CCV

Lab ID#: 1405408-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	3052302a	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 5/23/14 08:12 AM	

Compound	% Recovery
cis-1,2-Dichloroethene	91
Chloroform	91
1,1,1-Trichloroethane	89
Trichloroethene	106
Tetrachloroethene	85
Cumene	86
Toluene	86

Container Type: NA - Not Applicable

Surrogates	% Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	97	70-130
4-Bromofluorobenzene	99	70-130

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Client Sample ID: LCS

Lab ID#: 1405408-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	3052303	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 5/23/14 08:37 AM	

Compound	% Recovery	Method Limits
cis-1,2-Dichloroethene	128	70-130
Chloroform	116	70-130
1,1,1-Trichloroethane	113	70-130
Trichloroethene	106	70-130
Tetrachloroethene	102	70-130
Cumene	108	70-130
Toluene	107	70-130

Container Type: NA - Not Applicable

Surrogates	% Recovery	Method Limits
Toluene-d8	101	70-130
1,2-Dichloroethane-d4	101	70-130
4-Bromofluorobenzene	99	70-130

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Client Sample ID: LCSD

Lab ID#: 1405408-04AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	3052304	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 5/23/14 09:02 AM	

Compound	% Recovery	Method Limits
cis-1,2-Dichloroethene	121	70-130
Chloroform	108	70-130
1,1,1-Trichloroethane	107	70-130
Trichloroethene	103	70-130
Tetrachloroethene	100	70-130
Cumene	107	70-130
Toluene	104	70-130

Container Type: NA - Not Applicable

Surrogates	% Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	100	70-130
4-Bromofluorobenzene	99	70-130

ENCORE

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

PAGE 1 OF 1

1405108

ID # NP - 09196

SDG/AF/ Date: 5/22-23/14

Required Client Information:

Company: Arcadis	Report To: Eric Meisenheimer
Address: 126 E. Washington St. Suite 400	Copy To: S. Fisher
City/St/Zip: Fairfield, IA 52556	Invoice To: Same as report
Phone: 641-209-5220	P.O.: Chevron SAP, Conf. Account
Fax: 641-209-5279	Project Name: Allison Tract
E-mail: Eric.Meisenheimer@arcadis-us.com	Project Number: 30047319.7

Laboratory: Pace Texas	
Laboratory Location: Pasadena, CA	
Laboratory Contact:	
Required Due Date:	TAT: Std.
QA/QC Requirements:	

Valid Matrix Codes: WG Groundwater; WW Wastewater; WS Surface Water; SO Soil; SD Sediment; See Back for Additional Codes

Sample Identification:	Matrix Code	Date Collected	Time Collected	# Containers	Unpreserved	H2SO4	HNO3	NaOH	Other	Analysis and Method: Med. TPH-DRO	Remarks/Lab ID
1. SVE Blower Eff (052114)	SO	21-May-14	14:10	2	2					X	614
2.											
3.											
4.											
5.											
6.											
7.											
8.											
9.											
10.											
11.											
12.											
13.											
14.											
15.											
TOTAL NUMBER OF CONTAINERS											

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY / AFFILIATION	DATE	TIME	RECEIVED BY / AFFILIATION	DATE	TIME
Fed Ex	1 Box	Chad Eaton / Arcadis	5/21/14	16:30	Fed Ex	5/21/14	16:30
AIRBILL NO.					[signature] EAT	5/22/14	0950

Sample Condition

Temp in °C	
Received on Ice	Y / N
Signed Custody	Y / N
Samples Intact	Y / N

Additional Comments: * Check Specific Requirements

Custody Seal Intact? Y / N / None Temp °C

Sampler Name: Chad Eaton

Sampler Signature: [signature] Date: 5/21/14

Distribution: WHITE - Fully Executed Copy YELLOW - Receiving Laboratory Copy PINK - Sampler Copy

Rev. 14-0520

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6/7/2014
Mr. Eric Moosbrugger
ARCADIS, Inc.
132 East Washington St., Suite 600

Indianapolis IN 46204

Project Name: Allison Trans
Project #: IN473.19.7
Workorder #: 1405489

Dear Mr. Eric Moosbrugger

The following report includes the data for the above referenced project for sample(s) received on 5/28/2014 at Air Toxics Ltd.

The data and associated QC analyzed by TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Ausha Scott at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Ausha Scott

Project Manager

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WORK ORDER #: 1405489

Work Order Summary

CLIENT:	Mr. Eric Moosbrugger Arcadis U.S., Inc. 132 East Washington St., Suite 600 Indianapolis, IN 46204	**BILL TO:**	Accounts Payable Arcadis U.S., Inc. 630 Plaza Drive Suite 600 Highlands Ranch, CO 80129
PHONE:	317-231-6500	**P.O. #**	IN000473.0019.0007
FAX:	317-231-6514	**PROJECT #**	IN473.19.7 Allison Trans
DATE RECEIVED:	05/28/2014	**CONTACT:**	Ausha Scott
DATE COMPLETED:	06/07/2014		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	SVE Blower Eff (052714)	TO-15	Tedlar Bag	Tedlar Bag
02A	Lab Blank	TO-15	NA	NA
03A	CCV	TO-15	NA	NA
04A	LCS	TO-15	NA	NA
04AA	LCSD	TO-15	NA	NA

CERTIFIED BY: Heidi Hayes DATE: 06/07/14

Technical Director

Certification numbers: AZ Licensure AZ0775, CA NELAP - 12282CA, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-13-6, UT NELAP CA009332013-4, VA NELAP - 460197, WA NELAP - C935
Name of Accrediting Agency: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005, Effective date: 10/18/2013, Expiration date: 10/17/2014.
Eurofins Air Toxics Inc.. certifies that the test results contained in this report meet all requirements of the NELAC standards

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180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 956
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

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LABORATORY NARRATIVE
EPA Method TO-15
ARCADIS, Inc.
Workorder# 1405489

One 1 Liter Tedlar Bag sample was received on May 28, 2014. The laboratory performed analysis via EPA Method TO-15 using GC/MS in the full scan mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

Method TO-15 is validated for samples collected in specially treated canisters. As such, the use of Tedlar bags for sample collection is outside the scope of the method and not recommended for ambient or indoor air samples. It is the responsibility of the data user to determine the usability of TO-15 results generated from Tedlar bags.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

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Summary of Detected Compounds
EPA METHOD TO-15 GC/MS

Client Sample ID: SVE Blower Eff (052714)

Lab ID#: 1405489-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	5.0	20	20	78
Trichloroethene	5.0	20	27	110
Tetrachloroethene	5.0	1600	34	11000

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Client Sample ID: SVE Blower Eff (052714)

Lab ID#: 1405489-01A

EPA METHOD TO-15 GC/MS

File Name:	14053036	**Date of Collection:**	5/27/14 2:30:00 PM
Dil. Factor:	1.00	**Date of Analysis:**	5/30/14 09:41 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	5.0	20	20	78
Chloroform	5.0	Not Detected	24	Not Detected
1,1,1-Trichloroethane	5.0	Not Detected	27	Not Detected
Trichloroethene	5.0	20	27	110
Toluene	5.0	Not Detected	19	Not Detected
Tetrachloroethene	5.0	1600	34	11000
Cumene	5.0	Not Detected	24	Not Detected

Container Type: 1 Liter Tedlar Bag

Surrogates	% Recovery	Method Limits
1,2-Dichloroethane-d4	97	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	104	70-130

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Client Sample ID: Lab Blank

Lab ID#: 1405489-02A

EPA METHOD TO-15 GC/MS

File Name:	14053007	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 5/30/14 08:48 AM	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	5.0	Not Detected	20	Not Detected
Chloroform	5.0	Not Detected	24	Not Detected
1,1,1-Trichloroethane	5.0	Not Detected	27	Not Detected
Trichloroethene	5.0	Not Detected	27	Not Detected
Toluene	5.0	Not Detected	19	Not Detected
Tetrachloroethene	5.0	Not Detected	34	Not Detected
Cumene	5.0	Not Detected	24	Not Detected

Container Type: NA - Not Applicable

Surrogates	% Recovery	Method Limits
1,2-Dichloroethane-d4	104	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	100	70-130

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Client Sample ID: CCV

Lab ID#: 1405489-03A

EPA METHOD TO-15 GC/MS

File Name:	14053002	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 5/30/14 06:35 AM	

Compound	% Recovery
cis-1,2-Dichloroethene	83
Chloroform	82
1,1,1-Trichloroethane	83
Trichloroethene	83
Toluene	84
Tetrachloroethene	83
Cumene	86

Container Type: NA - Not Applicable

Surrogates	% Recovery	Method Limits
1,2-Dichloroethane-d4	97	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	100	70-130

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Client Sample ID: LCS

Lab ID#: 1405489-04A

EPA METHOD TO-15 GC/MS

File Name:	14053003	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 5/30/14 07:05 AM	

Compound	% Recovery	Method Limits
cis-1,2-Dichloroethene	108	70-130
Chloroform	98	70-130
1,1,1-Trichloroethane	101	70-130
Trichloroethene	99	70-130
Toluene	96	70-130
Tetrachloroethene	100	70-130
Cumene	103	70-130

Container Type: NA - Not Applicable

Surrogates	% Recovery	Method Limits
1,2-Dichloroethane-d4	97	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	102	70-130

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Client Sample ID: LCSD

Lab ID#: 1405489-04AA

EPA METHOD TO-15 GC/MS

File Name:	14053004	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 5/30/14 07:28 AM	

Compound	% Recovery	Method Limits
cis-1,2-Dichloroethene	110	70-130
Chloroform	101	70-130
1,1,1-Trichloroethane	101	70-130
Trichloroethene	96	70-130
Toluene	94	70-130
Tetrachloroethene	93	70-130
Cumene	99	70-130

Container Type: NA - Not Applicable

Surrogates	% Recovery	Method Limits
1,2-Dichloroethane-d4	110	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	102	70-130

CHAIN-OF-CUSTODY / Analytical Request Document

Page 1 of 1

Requires Client Information:

Company: Pangaea	Report To: E. Mossbarger
Address: 137 E. Broadway Ste 54	Copy To: S. Fisher
Bend	Invoice To: Pangaea
Co, St, Zip: OR 97701	PO/SO#: Pangaea 2014, 0005
Phone: 541-323-8560	Project Name: Ash Grove
Fax: 541-647	Project Number: 140513.178
E-mail: Eric.Mossbarger@pangaeallc.com	

Laboratory: Anc Testing
Laboratory Location: Bend, OR
Laboratory Contact:
Requested Due Date: TAT: Std
QA/QC Requirements:

ID #: № 09497

SDWA PWS Code: 4700439

Analysis and Method

Preservation

Sample Identification	Matrix Code	Date Collected	Time Collected	# Containers	Unpreserved	HCl	HNO3	H2SO4	NaOH	Other	Pb, Mn, Fe, TSS	Remarks/Lab ID
1. SVE Blower Exh (SVE-4)	GE	5/14/14	14:30	2	2						2	1405469
2.												
3.												
4.												
5.												
6.												
7.												
8.												
9.												
10.												
11.												
12.												
13.												
14.												
15.												

Valid Matrix Codes: GW Groundwater; WW Wastewater; DW Drinking Water; SW Surface Water; SO Soil; SL Sludge; OL Oil; BW Blank Water; WI Wipe; AR Air; Other; Additional Codes

TOTAL NUMBER OF CONTAINERS

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY / AFFILIATION	DATE	TIME	RECEIVED BY / AFFILIATION	DATE	TIME
Fed Ex	1 Cooler	[illegible] / Pangaea	5/14/14	16:00	Fed Ex	5/14/14	16:00
AIRBILL NO.					[illegible]	5/15/14	10:25

Custody Seal Intact? Yes / No / Not Present

Sample Condition

Temp in °C	
Received on Ice	Y / N
Sealed Cooler	Y / N
Samples Intact	Y / N

Additional Comments: * Check Specific Parameters

Sampled Name: Chad Fisher

Sampler Signature: [signature] Date: 5/14/14

Distribution: WHITE - Fully Executed Copy YELLOW - Receiving Laboratory Copy PINK - Sampler Copy

REV. 01/04

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6/7/2014
Mr. Eric Moosbrugger
ARCADIS, Inc.
132 East Washington St., Suite 600

Indianapolis IN 46204

Project Name: Allison Trans
Project #: IN473.19.7
Workorder #: 1406005

Dear Mr. Eric Moosbrugger

The following report includes the data for the above referenced project for sample(s) received on 6/2/2014 at Air Toxics Ltd.

The data and associated QC analyzed by TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Ausha Scott at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Ausha Scott

Project Manager

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WORK ORDER #: 1406005

Work Order Summary

CLIENT:	Mr. Eric Moosbrugger Arcadis U.S., Inc. 132 East Washington St., Suite 600 Indianapolis, IN 46204	**BILL TO:**	Accounts Payable Arcadis U.S., Inc. 630 Plaza Drive Suite 600 Highlands Ranch, CO 80129
PHONE:	317-231-6500	**P.O. #**	IN000473.0019.00007
FAX:	317-231-6514	**PROJECT #**	IN473.19.7 Allison Trans
DATE RECEIVED:	06/02/2014	**CONTACT:**	Ausha Scott
DATE COMPLETED:	06/07/2014		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	SVE Blower Eff (052914)	TO-15	Tedlar Bag	Tedlar Bag
02A	Lab Blank	TO-15	NA	NA
03A	CCV	TO-15	NA	NA
04A	LCS	TO-15	NA	NA
04AA	LCSD	TO-15	NA	NA

CERTIFIED BY: Heidi Mayes DATE: 06/07/14

Technical Director

Certification numbers: AZ Licensure AZ0775, CA NELAP - 12282CA, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-13-6, UT NELAP CA009332013-4, VA NELAP - 460197, WA NELAP - C935
Name of Accrediting Agency: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005, Effective date: 10/18/2013, Expiration date: 10/17/2014.
Eurofins Air Toxics Inc.. certifies that the test results contained in this report meet all requirements of the NELAC standards

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180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 956
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

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LABORATORY NARRATIVE
EPA Method TO-15
ARCADIS, Inc.
Workorder# 1406005

One 1 Liter Tedlar Bag sample was received on June 02, 2014. The laboratory performed analysis via EPA Method TO-15 using GC/MS in the full scan mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Receiving Notes

Sample was received past the recommended hold time of 3 days. Analysis proceeded.

Analytical Notes

Method TO-15 is validated for samples collected in specially treated canisters. As such, the use of Tedlar bags for sample collection is outside the scope of the method and not recommended for ambient or indoor air samples. It is the responsibility of the data user to determine the usability of TO-15 results generated from Tedlar bags.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

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Summary of Detected Compounds
EPA METHOD TO-15 GC/MS

Client Sample ID: SVE Blower Eff (052914)

Lab ID#: 1406005-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	5.0	26	20	100
Trichloroethene	5.0	55	27	300
Toluene	5.0	7.7	19	29
Tetrachloroethene	5.0	2100	34	14000

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Client Sample ID: SVE Blower Eff (052914)

Lab ID#: 1406005-01A

EPA METHOD TO-15 GC/MS

File Name:	14060220	**Date of Collection:**	5/29/14 3:30:00 PM
Dil. Factor:	1.00	**Date of Analysis:**	6/2/14 04:30 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	5.0	26	20	100
Chloroform	5.0	Not Detected	24	Not Detected
1,1,1-Trichloroethane	5.0	Not Detected	27	Not Detected
Trichloroethene	5.0	55	27	300
Toluene	5.0	7.7	19	29
Tetrachloroethene	5.0	2100	34	14000
Cumene	5.0	Not Detected	24	Not Detected

Container Type: 1 Liter Tedlar Bag

Surrogates	% Recovery	Method Limits
1,2-Dichloroethane-d4	94	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	103	70-130

eurofins | Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 1406005-02A

EPA METHOD TO-15 GC/MS

File Name:	14060205	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 6/2/14 10:05 AM	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	5.0	Not Detected	20	Not Detected
Chloroform	5.0	Not Detected	24	Not Detected
1,1,1-Trichloroethane	5.0	Not Detected	27	Not Detected
Trichloroethene	5.0	Not Detected	27	Not Detected
Toluene	5.0	Not Detected	19	Not Detected
Tetrachloroethene	5.0	Not Detected	34	Not Detected
Cumene	5.0	Not Detected	24	Not Detected

Container Type: NA - Not Applicable

Surrogates	% Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	99	70-130

eurofins | Air Toxics

Client Sample ID: CCV

Lab ID#: 1406005-03A

EPA METHOD TO-15 GC/MS

File Name:	14060202	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 6/2/14 08:18 AM

Compound	% Recovery
cis-1,2-Dichloroethene	85
Chloroform	84
1,1,1-Trichloroethane	84
Trichloroethene	83
Toluene	86
Tetrachloroethene	86
Cumene	89

Container Type: NA - Not Applicable

Surrogates	% Recovery	Method Limits
1,2-Dichloroethane-d4	98	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	104	70-130

eurofins | Air Toxics

Client Sample ID: LCS

Lab ID#: 1406005-04A

EPA METHOD TO-15 GC/MS

File Name:	14060203	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 6/2/14 08:44 AM	

Compound	% Recovery	Method Limits
cis-1,2-Dichloroethene	108	70-130
Chloroform	97	70-130
1,1,1-Trichloroethane	98	70-130
Trichloroethene	95	70-130
Toluene	94	70-130
Tetrachloroethene	95	70-130
Cumene	98	70-130

Container Type: NA - Not Applicable

Surrogates	% Recovery	Method Limits
1,2-Dichloroethane-d4	98	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	102	70-130

eurofins | Air Toxics

Client Sample ID: LCSD

Lab ID#: 1406005-04AA

EPA METHOD TO-15 GC/MS

File Name:	14060204	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 6/2/14 09:31 AM	

Compound	% Recovery	Method Limits
cis-1,2-Dichloroethene	106	70-130
Chloroform	96	70-130
1,1,1-Trichloroethane	96	70-130
Trichloroethene	95	70-130
Toluene	94	70-130
Tetrachloroethene	96	70-130
Cumene	97	70-130

Container Type: NA - Not Applicable

Surrogates	% Recovery	Method Limits
1,2-Dichloroethane-d4	95	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	104	70-130

Reference 23 Page 1563

ENCORE

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-Of-Custody is a LEGAL DOCUMENT. All fields must be accurately and completely recorded.

PAGE 1 OF 1

Required Client Information:

Company: Arcadis
Address: 192 E. Washington St. #600
Phone: 317-231-6500 Fax: 6214
Email: Eric.Meyerhoefer@arcadis-us.com

Report To: E. Meyerhoefer
Copy To: S. Eglund
Invoice To: Carmeuse
P.O. #: Enquiry 4500493, 4500, 00024
Project Name: Allens Trace
Project Number: Event 3, 1st Q

Laboratory: Air Toxics
Laboratory Location: Folsom, CA
Laboratory Contact:
Requested Due Date: TAT: 5d
QA/QC Requirements:

Job # No 08499

ISO Std. Cert. E027434

Analysis and Method

Preservatives

Field Matrix Codes:	Matrix Code	Date Collected	Time Collected	# Containers	Unpreserved	HCl	H2SO4	HNO3	NaOH	Other	Mod TO-15 SIM	Remarks/Lab ID
Sample Identification:												
Soil Blower EFF (Assay)	AC	27 May 14	13:30	2	2						2	

WG: Ground Water
WB: Bottom Water
WS: Surface Water
SO: Soil
SE: Sediment
See Back for Additional Codes

TOTAL NUMBER OF CONTAINERS

PAYMENT METHOD	NO. OF COOLERS	RELINQUISHED BY / AFFILIATION	DATE	TIME	RECEIVED BY / AFFILIATION	DATE	TIME
Fed Ex	1 BOX	[signature] Arcadis	5/29/14	16:30	FedEx	5/30/14	11:30
BILL NO					[signature] EAT	Caltest	645

Sample Condition

Rec'd on Ice	Y / N
In Cooler	Y / N
Gas Intact	Y / N

Additional Comments: *Client specific Parameters

Sampler Name: Chad Bottom
Sampler Signature: [signature] Date: 5/29/14

1408005

Distribution: WHITE - Fully Executed Copy YELLOW - Receiving Laboratory Copy PINK - Sampler Copy

rev. 07/08

Appendix B

Appendix B - Summary of Creek Observations

Date & Time	Oil Sheen Inside of Boom			
	None	Slight	Moderate	Heavy
2006				
1/6/2006 14:44	N	S	M	H
1/13/2006 15:33	N	S	M	H
1/16/2006 17:22	N	S	M	H
1/27/2006 10:11	N	S	M	H
1/31/2006 7:45	N	S	M	H
2/10/2006 9:30	N	S	M	H
2/17/2006 11:35	N	S	M	H
2/24/2006 8:37	N	S	M	H
2/28/2006 10:00	N	S	M	H
3/10/2006 7:00	N	S	M	H
3/17/2006 9:25	N	S	M	H
3/24/2006 7:13	N	S	M	H
3/30/2006 8:15	N	S	M	H
4/4/2006 11:30	N	S	M	H
4/11/2006 10:30	N	S	M	H
4/21/2006 10:30	N	S	M	H
4/28/2006 11:00	N	S	M	H
5/2/2006 11:15	N	S	M	H
5/10/2006 14:45	N	S	M	H
5/19/2006 14:47	N	S	M	H
5/26/2006 14:00	N	S	M	H
5/30/2006 6:00	N	S	M	H
6/9/2006 14:00	N	S	M	H
6/12/2006 13:00	N	S	M	H
6/19/2006 12:30	N	S	M	H
6/26/2006 10:45	N	S	M	H
7/14/2006 10:03	N	S	M	H
7/21/2006 12:05	N	S	M	H
7/27/2006 0:00	N	S	M	H
8/4/2006 0:00	N	S	M	H
8/10/2006 0:00	N	S	M	H
8/17/2006 0:00	N	S	M	H
8/25/2006 0:00	N	S	M	H
8/29/2006 0:00	N	S	M	H
9/18/2006 12:00	N	S	M	H
9/26/2006 0:00	N	S	M	H
10/2/2006 12:20	N	S	M	H
10/10/2006 0:00	N	S	M	H
10/18/2006 0:00	N	S	M	H
10/26/2006 0:00	N	S	M	H
11/15/2006 0:00	N	S	M	H
11/23/2006 0:00	N	S	M	H
11/27/2006 8:30	N	S	M	H
12/8/2006 0:00	N	S	M	H
12/18/2006 0:00	N	S	M	H
2006 Totals:	**11**	**25**	**7**	**1**

Appendix B - Summary of Creek Observations

Date & Time	Oil Sheen Inside of Boom			
	None	Slight	Moderate	Heavy
2007				
1/2/2007 0:00	N	S	M	H
1/12/2007 0:00	N	S	M	H
1/16/2007 0:00	N	S	M	H
1/26/2007 0:00	N	S	M	H
2/2/2007 0:00	N	S	M	H
2/7/2007 0:00	N	S	M	H
2/12/2007 12:00	N	S	M	H
2/19/2007 0:00	N	S	M	H
2/26/2007 14:45	N	S	M	H
3/7/2007 0:00	N	S	M	H
3/12/2007 0:00	N	S	M	H
3/13/2007 12:43	N	S	M	H
3/19/2007 0:00	N	S	M	H
3/28/2007 9:50	N	S	M	H
4/2/2007 0:00	N	S	M	H
4/10/2007 0:00	N	S	M	H
4/18/2007 0:00	N	S	M	H
4/23/2007 0:00	N	S	M	H
5/3/2007 0:00	N	S	M	H
5/9/2007 0:00	N	S	M	H
5/14/2007 0:00	N	S	M	H
5/21/2007 0:00	N	S	M	H
5/31/2007 0:00	N	S	M	H
6/5/2007 0:00	N	S	M	H
6/11/2007 0:00	N	S	M	H
6/18/2007 0:00	N	S	M	H
6/26/2007 0:00	N	S	M	H
7/3/2007 10:54	N	S	M	H
7/5/2007 9:40	N	S	M	H
7/12/2007 16:00	N	S	M	H
7/17/2007 13:20	N	S	M	H
7/24/2007 0:00	N	S	M	H
8/1/2007 9:30	N	S	M	H
8/9/2007 9:45	N	S	M	H
8/14/2007 8:15	N	S	M	H
8/17/2007 7:48	N	S	M	H
8/20/2007 10:30	N	S	M	H
8/22/2007 0:00	N	S	M	H
8/27/2007 0:00	N	S	M	H
9/6/2007 15:20	N	S	M	H
9/24/2007 14:15	N	S	M	H
10/3/2007 9:30	N	S	M	H
10/31/2007 0:00	N	S	M	H
11/15/2007 11:00	N	S	M	H
11/28/2007 0:00	N	S	M	H
12/3/2007 13:30	N	S	M	H
12/26/2007 0:00	N	S	M	H
2007 Totals:	**9**	**21**	**8**	**0**

Appendix B - Summary of Creek Observations

Date & Time	Oil Sheen Inside of Boom			
	None	Slight	Moderate	Heavy
2008				
1/4/2008 14:00	N	S	M	H
1/7/2008 14:00	N	S	M	H
1/17/2008 0:00	N	S	M	H
1/22/2008 10:30	N	S	M	H
1/31/2008 11:00	N	S	M	H
2/7/2008 11:00	N	S	M	H
2/15/2008 0:00	N	S	M	H
2/20/2008 0:00	N	S	M	H
2/28/08 13:00	N	S	M	H
3/4/2008 16:00	N	S	M	H
3/14/08 11:30	N	S	M	H
3/24/2008 14:00	N	S	M	H
3/31/2008 13:30	N	S	M	H
4/7/2008 9:45	N	S	M	H
4/14/2008 11:10	N	S	M	H
4/28/2008 12:15	N	S	M	H
5/8/2008 11:30	N	S	M	H
5/12/2008 12:00	N	S	M	H
6/3/2008 12:30	N	S	M	H
6/13/2008 15:00	N	S	M	H
6/19/2008 13:30	N	S	M	H
6/26/2008 12:00	N	S	M	H
6/26/2008 12:00	N	S	M	H
6/30/2008 10:30	N	S	M	H
7/18/2008 10:00	N	S	M	H
7/18/2008 10:00	N	S	M	H
7/29/2008 12:00	N	S	M	H
8/6/2008 12:45	N	S	M	H
8/20/2008 12:15	N	S	M	H
8/29/2008 12:00	N	S	M	H
9/12/2008 14:00	N	S	M	H
10/13/2008 14:00	N	S	M	H
10/28/2008 1:30	N	S	M	H
11/10/2008 15:30	N	S	M	H
11/18/2008 14:30	N	S	M	H
12/19/2008 13:15	N	S	M	H
12/22/2008 14:15	N	S	M	H
2008 Totals:	**16**	**13**	**3**	**0**

Appendix B - Summary of Creek Observations

Date & Time	Oil Sheen Inside of Boom			
	None	Slight	Moderate	Heavy
2009				
1/8/2009 10:00	N	S	M	H
1/23/2009 10:15	N	S	M	H
1/29/2009 10:40	N	S	M	H
2/16/2009 11:50	N	S	M	H
2/20/2009 10:30	N	S	M	H
2/23/2009 10:45	N	S	M	H
3/17/09 16:45	N	S	M	H
3/30/2009 14:45	N	S	M	H
4/7/2009 10:30	N	S	M	H
4/7/09 16:00	N	S	M	H
4/23/2009 10:30	N	S	M	H
4/25/2009 10:30	N	S	M	H
4/27/2009 10:30	N	S	M	H
5/1/2009 12:15	N	S	M	H
5/2/2009 12:15	N	S	M	H
5/5/2009 12:15	N	S	M	H
5/9/2009 9:00	N	S	M	H
5/10/2009 9:00	N	S	M	H
5/12/2009 9:00	N	S	M	H
5/30/2009 13:30	N	S	M	H
6/1/2009 13:30	N	S	M	H
6/2/2009 13:30	N	S	M	H
6/23/2009 10:00	N	S	M	H
6/30/2009 8:45	N	S	M	H
7/6/2009 15:00	N	S	M	H
7/24/2009 9:30	N	S	M	H
7/30/2009 13:30	N	S	M	H
8/7/2009 14:30	N	S	M	H
8/11/2009 15:30	N	S	M	H
8/19/2009 10:00	N	S	M	H
8/26/2009 10:20	N	S	M	H
9/8/2009 2:30	N	S	M	H
9/16/2009 15:00	N	S	M	H
9/23/2009 13:45	N	S	M	H
9/30/2009 12:30	N	S	M	H
10/10/2009 13:00	N	S	M	H
10/12/2009 14:00	N	S	M	H
10/13/2009 13:00	N	S	M	H
11/9/2009 16:45	N	S	M	H
11/16/2009 17:45	N	S	M	H
11/23/2009 16:45	N	S	M	H
12/30/2009 13:55	N	S	M	H
12/30/2009 13:55	N	S	M	H
2009 Totals:	**17**	**28**	**0**	**0**

Appendix B - Summary of Creek Observations

Date & Time	Oil Sheen Inside of Boom			
	None	Slight	Moderate	Heavy
2010				
1/4/2010 10:00	N	S	M	H
1/8/2010 10:00	N	S	M	H
1/15/2010 8:30	N	S	M	H
1/19/2010 8:24	N	S	M	H
1/28/2010 11:00	N	S	M	H
2/4/2010 16:15	N	S	M	H
2/5/2010 15:30	N	S	M	H
2/8/2010 15:30	N	S	M	H
2/19/2010 16:00	N	S	M	H
3/4/2010 12:30	N	S	M	H
3/10/2010 12:30	N	S	M	H
3/11/2010 12:30	N	S	M	H
3/17/2010 16:15	N	S	M	H
3/18/2010 16:15	N	S	M	H
4/7/2010 11:15	N	S	M	H
4/8/2010 11:15	N	S	M	H
4/9/2010 11:15	N	S	M	H
4/15/2010 14:30	N	S	M	H
4/16/2010 14:30	N	S	M	H
4/20/2010 12:30	N	S	M	H
5/3/2010 12:26	N	S	M	H
5/6/2010 12:26	N	S	M	H
5/17/2010 15:30	N	S	M	H
5/21/2010 15:30	N	S	M	H
5/24/2010 17:30	N	S	M	H
5/25/2010 17:30	N	S	M	H
5/26/2010 17:30	N	S	M	H
6/2/2010 11:00	N	S	M	H
6/7/2010 11:00	N	S	M	H
6/14/2010 15:15	N	S	M	H
6/15/2010 15:15	N	S	M	H
6/28/2010 11:30	N	S	M	H
7/6/2010 8:45	N	S	M	H
7/9/2010 12:00	N	S	M	H
7/20/2010 9:45	N	S	M	H
7/28/2010 13:15	N	S	M	H
8/3/2010 14:30	N	S	M	H
8/6/2010 10:00	N	S	M	H
8/9/2010 11:00	N	S	M	H
8/17/2010 11:00	N	S	M	H
8/26/2010 11:30	N	S	M	H
8/30/2010 11:00	N	S	M	H
9/7/2010 11:00	N	S	M	H
9/13/2010 11:00	N	S	M	H
9/21/2010 14:00	N	S	M	H
9/27/2010 15:30	N	S	M	H
10/4/2010 14:15	N	S	M	H
10/22/2010 13:30	N	S	M	H
10/25/2010 11:00	N	S	M	H
11/5/2010 9:30	N	S	M	H
12/6/2010 10:30	N	S	M	H
12/16/2010 11:00	N	S	M	H
12/23/2010 10:30	N	S	M	H
2010 Totals:	**41**	**12**	**0**	**0**

Appendix B - Summary of Creek Observations

Date & Time	Oil Sheen Inside of Boom			
	None	Slight	Moderate	Heavy
2011				
1/7/2011 12:00	N	S	M	H
1/10/2011 15:50	N	S	M	H
1/14/2011 10:00	N	S	M	H
1/19/2011 9:00	N	S	M	H
1/28/2011 14:00	N	S	M	H
2/3/2011 13:00	N	S	M	H
2/7/2011 11:30	N	S	M	H
2/16/2011 8:30	N	S	M	H
2/18/2011 10:00	N	S	M	H
3/4/2011 10:00	N	S	M	H
3/11/2011 11:00	N	S	M	H
4/1/2011 9:30	N	S	M	H
4/7/2011 8:45	N	S	M	H
6/3/2011 8:00	N	S	M	H
6/24/2011 10:00	N	S	M	H
7/1/2011 7:00	N	S	M	H
7/13/2011 8:00	N	S	M	H
7/22/2011 11:30	N	S	M	H
7/25/2011 9:30	N	S	M	H
7/29/2011 15:00	N	S	M	H
8/3/2011 8:30	N	S	M	H
8/19/2011 11:00	N	S	M	H
8/26/2011 14:00	N	S	M	H
9/9/2011 12:00	N	S	M	H
9/16/2011 8:00	N	S	M	H
9/22/2011 12:00	N	S	M	H
9/30/2011 8:00	N	S	M	H
10/7/2011 12:00	N	S	M	H
10/14/2011 8:00	N	S	M	H
10/21/2011 11:00	N	S	M	H
11/11/2011 12:00	N	S	M	H
11/17/2011 8:00	N	S	M	H
12/9/2011 12:00	N	S	M	H
12/16/2011 9:00	N	S	M	H
12/23/2011 8:00	N	S	M	H
2011 Totals:	**26**	**9**	**0**	**0**

Appendix B - Summary of Creek Observations

Date & Time	Oil Sheen Inside of Boom			
	None	Slight	Moderate	Heavy
2012				
1/6/2012 8:00	N	S	M	H
1/19/2012 10:00	N	S	M	H
1/26/2012 8:00	N	S	M	H
2/3/2012 8:00	N	S	M	H
2/9/2012 8:00	N	S	M	H
2/16/2012 8:00	N	S	M	H
2/23/2012 8:00	N	S	M	H
3/1/2012 8:00	N	S	M	H
3/8/2012 14:00	N	S	M	H
3/15/2012 16:00	N	S	M	H
3/22/2012 15:00	N	S	M	H
3/29/2012 14:35	N	S	M	H
4/4/2012 13:00	N	S	M	H
4/12/2012 13:00	N	S	M	H
4/19/2012 14:15	N	S	M	H
4/27/2012 14:00	N	S	M	H
5/4/2012 9:45	N	S	M	H
5/11/2012 12:30	N	S	M	H
5/17/2012 9:00	N	S	M	H
5/24/2012 16:00	N	S	M	H
5/31/2012 16:00	N	S	M	H
6/7/2012 12:30	N	S	M	H
6/14/2012 11:00	N	S	M	H
6/21/2012 12:00	N	S	M	H
6/28/2012 11:30	N	S	M	H
7/3/2012 13:30	N	S	M	H
7/12/2012 12:00	N	S	M	H
7/18/2012 12:30	N	S	M	H
7/25/2012 12:00	N	S	M	H
8/9/2012 12:00	N	S	M	H
8/16/2012 15:00	N	S	M	H
8/22/2012 13:00	N	S	M	H
8/29/2012 15:42	N	S	M	H
8/30/2012 12:00	N	S	M	H
9/7/2012 10:00	N	S	M	H
9/12/2012 13:00	N	S	M	H
9/20/2012 12:00	N	S	M	H
9/27/2012 15:00	N	S	M	H
10/2/2012 13:30	N	S	M	H
10/11/2012 12:30	N	S	M	H
10/18/2012 11:30	N	S	M	H
10/24/2012 12:00	N	S	M	H
11/1/2012 12:00	N	S	M	H
11/8/2012 14:00	N	S	M	H
11/14/2012 13:00	N	S	M	H
11/21/2012 13:00	N	S	M	H
11/28/2012 13:00	N	S	M	H
12/4/2012 15:00	N	S	M	H
12/12/2012 12:30	N	S	M	H
12/20/2012 13:00	N	S	M	H
12/27/2012 10:00	N	S	M	H
2012 Totals:	**47**	**2**	**0**	**0**

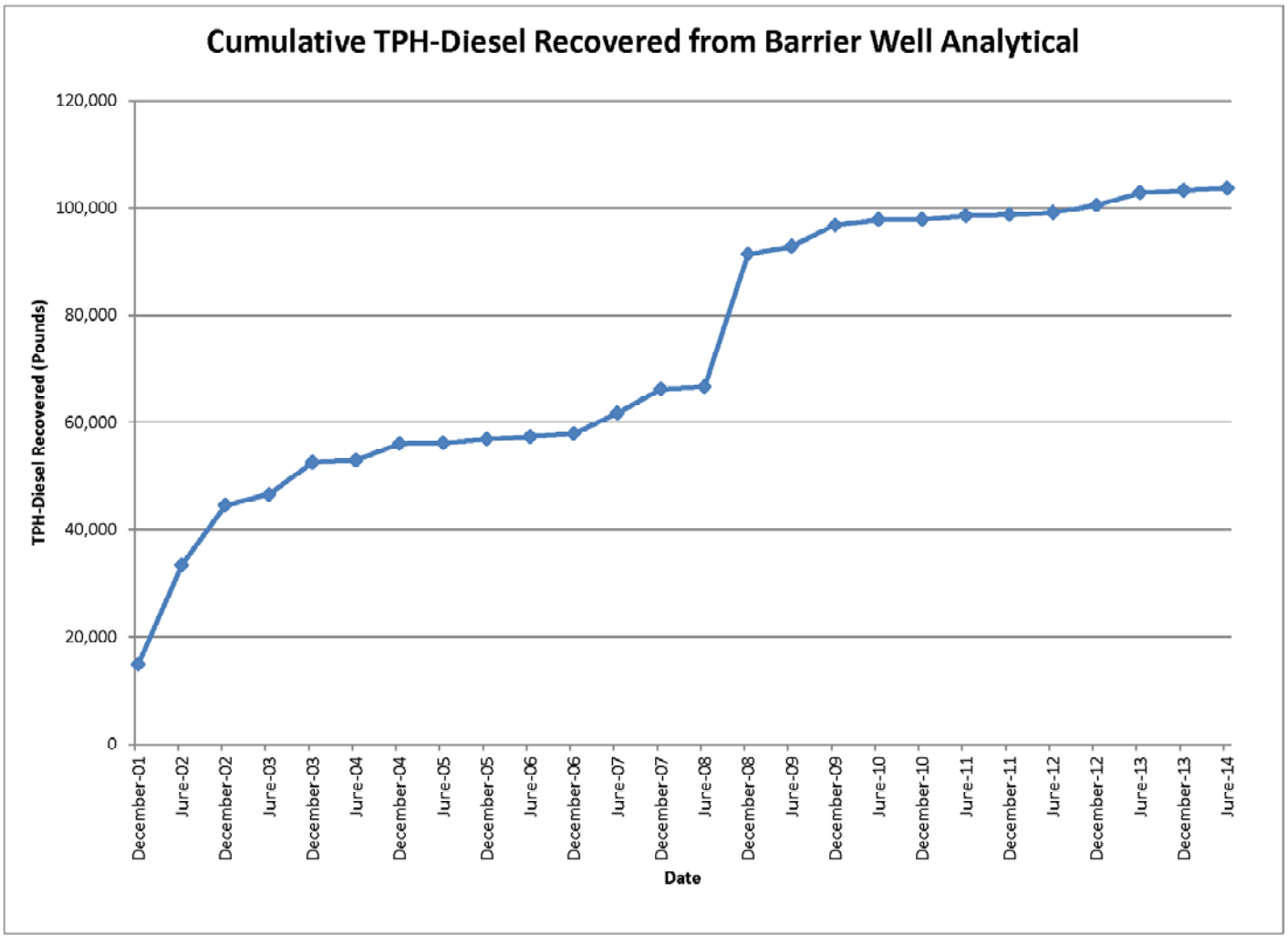
Appendix B - Summary of Creek Observations

Date & Time	Oil Sheen Inside of Boom			
	None	Slight	Moderate	Heavy
2013				
1/4/2013 12:00	N	S	M	H
1/10/2013 12:00	N	S	M	H
1/17/2013 13:00	N	S	M	H
1/31/2013 12:00	N	S	M	H
2/7/2013 15:00	N	S	M	H
2/14/2013 12:00	N	S	M	H
2/21/2013 13:00	N	S	M	H
3/1/2013 12:00	N	S	M	H
3/7/2013 14:00	N	S	M	H
3/14/2013 10:00	N	S	M	H
3/21/2013 13:30	N	S	M	H
4/4/2013 12:00	N	S	M	H
4/11/2013 12:00	N	S	M	H
4/18/2013 12:00	N	S	M	H
4/25/2013 11:50	N	S	M	H
5/2/2013 11:30	N	S	M	H
5/9/2013 15:45	N	S	M	H
5/16/2013 17:00	N	S	M	H
5/23/2013 12:00	N	S	M	H
5/29/2013 12:00	N	S	M	H
6/3/2013 12:00	N	S	M	H
6/13/2013 14:00	N	S	M	H
6/20/2013 16:00	N	S	M	H
6/25/2013 14:30	N	S	M	H
7/11/2013 0:00	N	S	M	H
7/17/2013 0:00	N	S	M	H
7/25/2013 0:00	N	S	M	H
8/1/2013 0:00	N	S	M	H
8/8/2013 0:00	N	S	M	H
8/15/2013 0:00	N	S	M	H
8/29/2013 0:00	N	S	M	H
9/5/2013 0:00	N	S	M	H
9/12/2013 0:00	N	S	M	H
10/4/2013 0:00	N	S	M	H
10/11/2013 0:00	N	S	M	H
10/17/2013 0:00	N	S	M	H
11/14/2013 0:00	N	S	M	H
12/6/2013 0:00	N	S	M	H
12/12/2013 0:00	N	S	M	H
12/19/2013 0:00	N	S	M	H
2013 Totals:	**40**	**0**	**0**	**0**

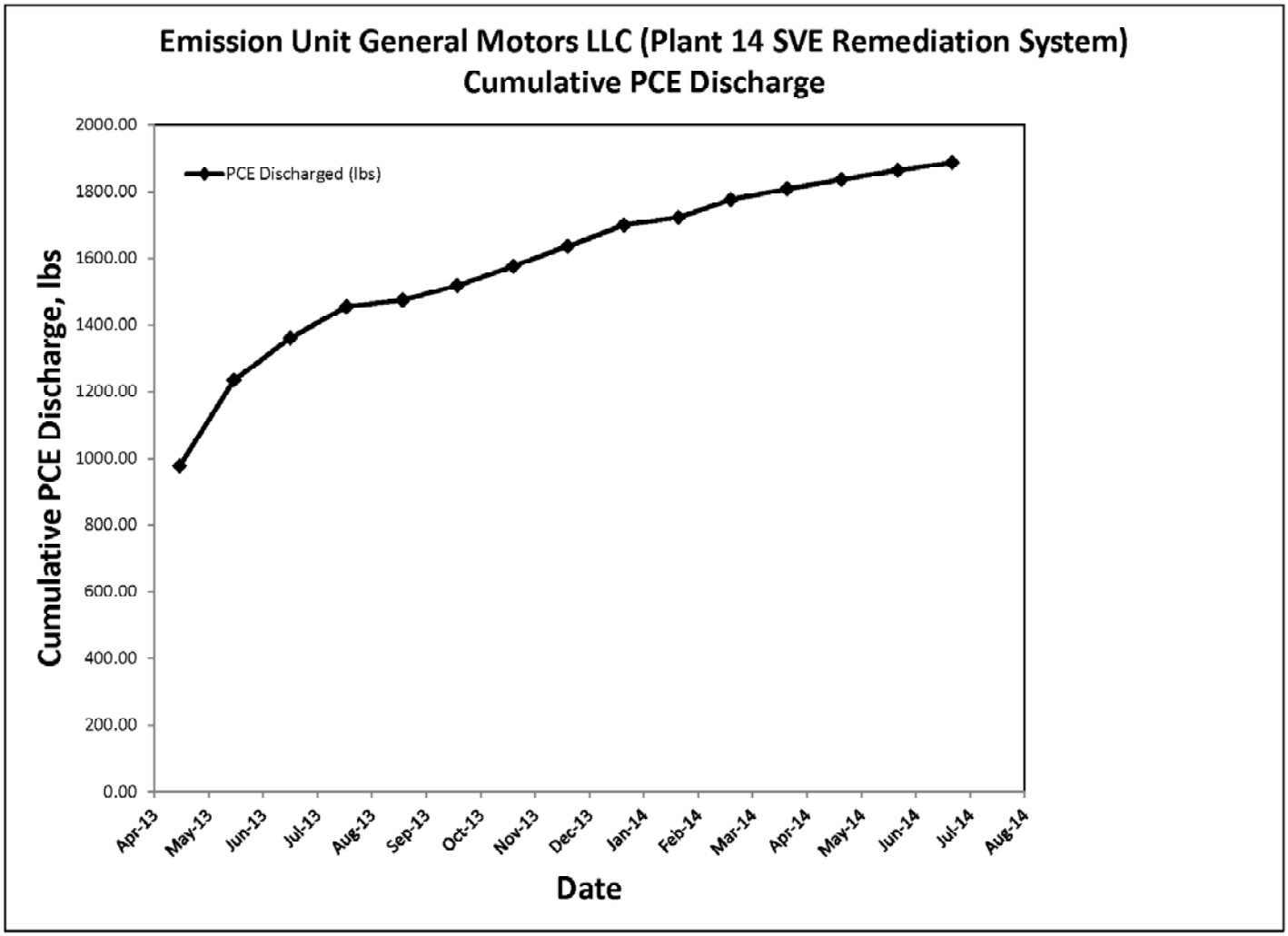
Appendix B - Summary of Creek Observations

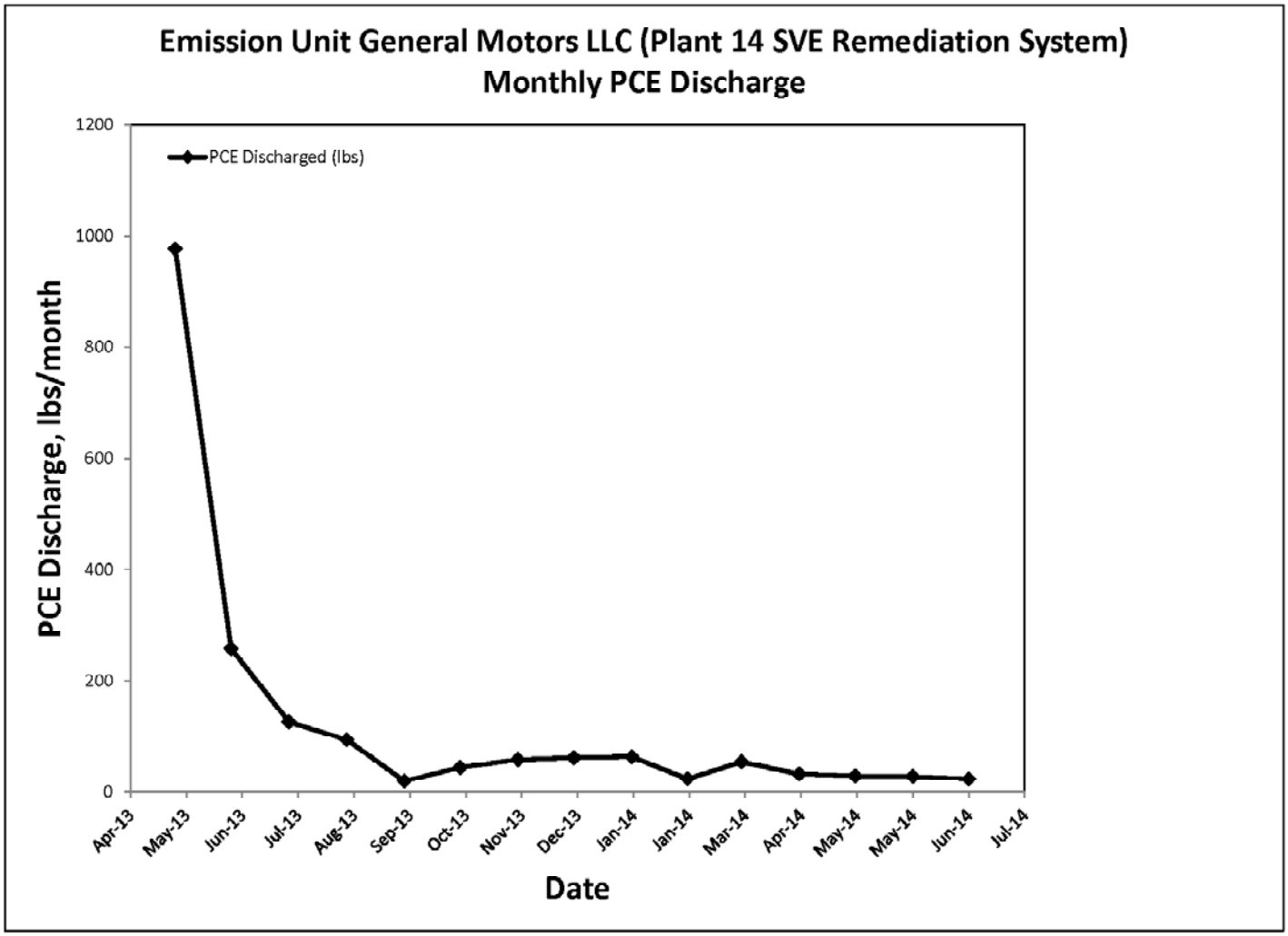
Date & Time	Oil Sheen Inside of Boom			
	None	**Slight**	**Moderate**	**Heavy**
2014				
1/9/2014 0:00	N	S	M	H
1/23/2014 0:00	N	S	M	H
1/30/2014 0:00	N	S	M	H
2/6/2014 0:00	N	S	M	H
2/13/2014 0:00	N	S	M	H
2/20/2014 0:00	N	S	M	H
3/6/2014 0:00	N	S	M	H
3/13/2014 0:00	N	S	M	H
3/20/2014 0:00	N	S	M	H
4/3/2014 0:00	N	S	M	H
4/10/2014 0:00	N	S	M	H
4/17/2014 0:00	N	S	M	H
4/24/2014 0:00	N	S	M	H
5/1/2014 0:00	N	S	M	H
5/8/2014 0:00	N	S	M	H
5/15/2014 0:00	N	S	M	H
5/21/2014 0:00	N	S	M	H
5/29/2014 0:00	N	S	M	H
6/5/2014 0:00	N	S	M	H
6/12/2014 0:00	N	S	M	H
6/19/2014 0:00	N	S	M	H
6/26/2014 0:00	N	S	M	H
2014 Totals (YTD):	**22**	**0**	**0**	**0**

Appendix C


Cumulative TPH-Diesel Recovered from Barrier Well Analytical
TPH-Diesel Recovered (Pounds)
120,000
100,000
80,000
60,000
40,000
20,000
0
December-01
Jure-02
December-02
Jure-03
December-03
Jure-04
December-04
Jure-05
December-05
Jure-06
December-06
Jure-07
December-07
Jure-08
December-08
Jure-09
December-09
Jure-10
December-10
Jure-11
December-11
Jure-12
December-12
Jure-13
December-13
Jure-14
Date

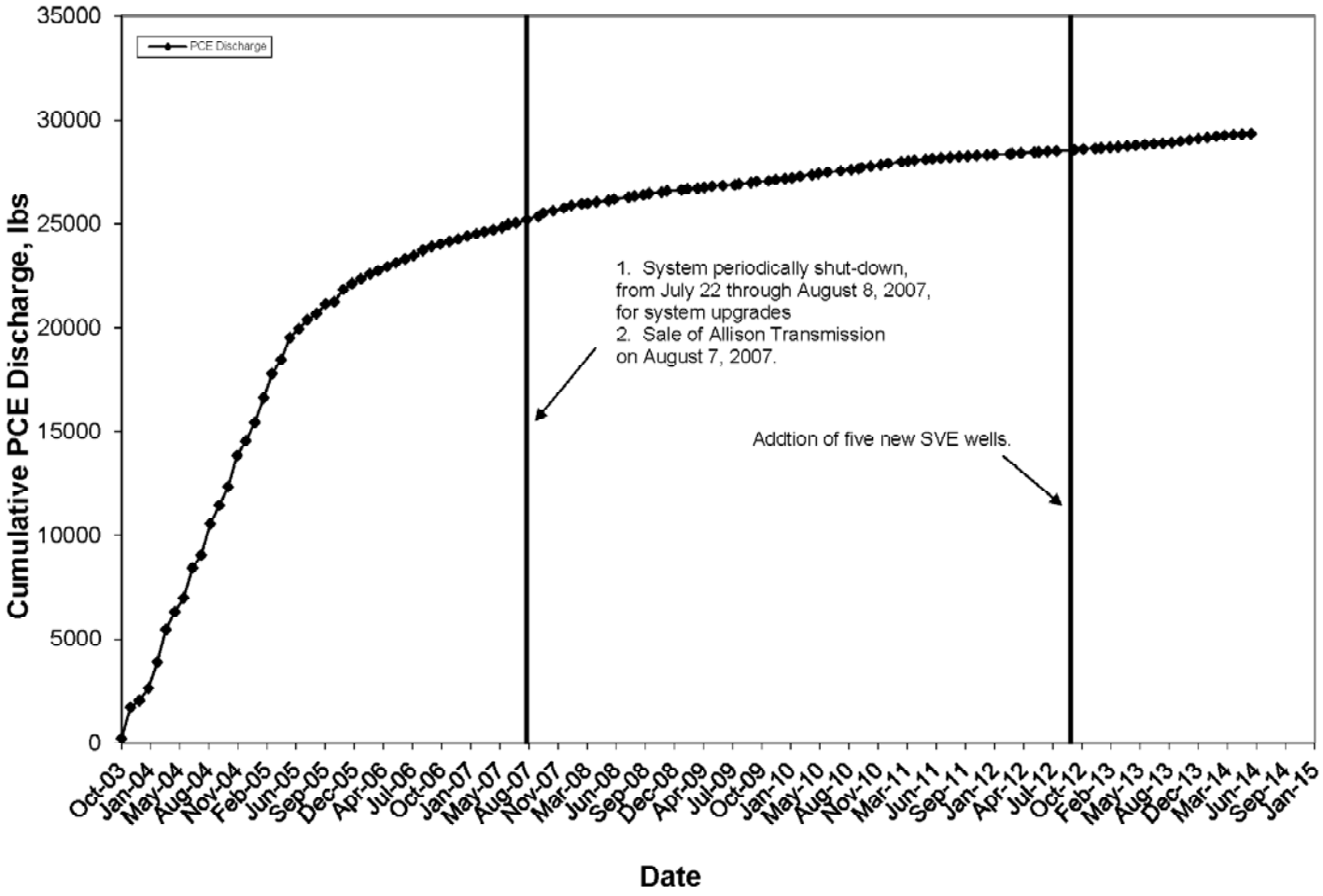
Appendix D


Emission Unit General Motors LLC (Plant 14 SVE Remediation System)
Cumulative PCE Discharge
PCE Discharged (lbs)
Cumulative PCE Discharge, lbs
2000.00
1800.00
1600.00
1400.00
1200.00
1000.00
800.00
600.00
400.00
200.00
0.00
Apr-13
May-13
Jun-13
Jul-13
Aug-13
Sep-13
Oct-13
Nov-13
Dec-13
Jan-14
Feb-14
Mar-14
Apr-14
May-14
Jun-14
Jul-14
Aug-14
Date

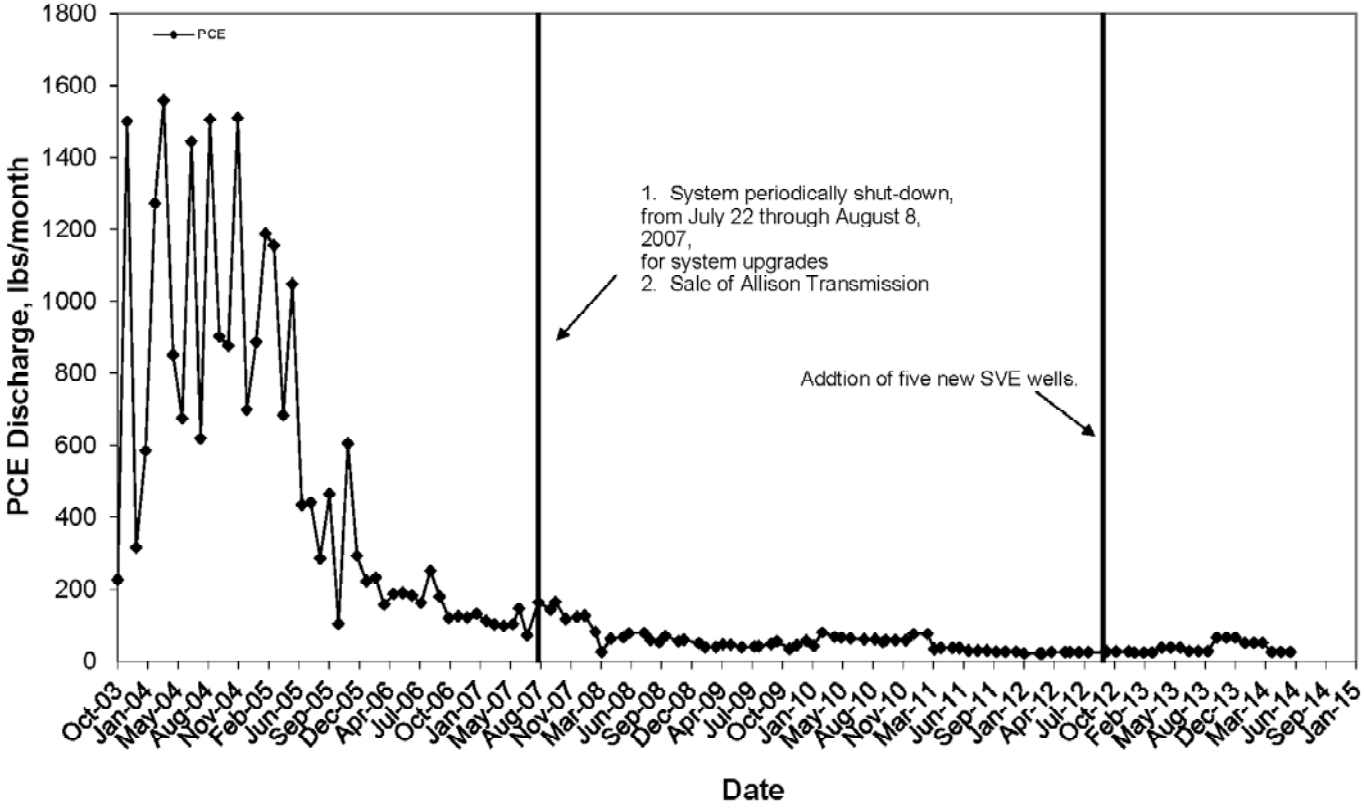

Emission Unit General Motors LLC (Plant 14 SVE Remediation System)
Monthly PCE Discharge
PCE Discharged (lbs)
PCE Discharge, lbs/month
1200
1000
800
600
400
200
0
Apr-13
May-13
Jun-13
Jul-13
Aug-13
Sep-13
Oct-13
Nov-13
Dec-13
Jan-14
Jan-14
Mar-14
Apr-14
May-14
May-14
Jun-14
Jul-14
Date

APPENDIX E

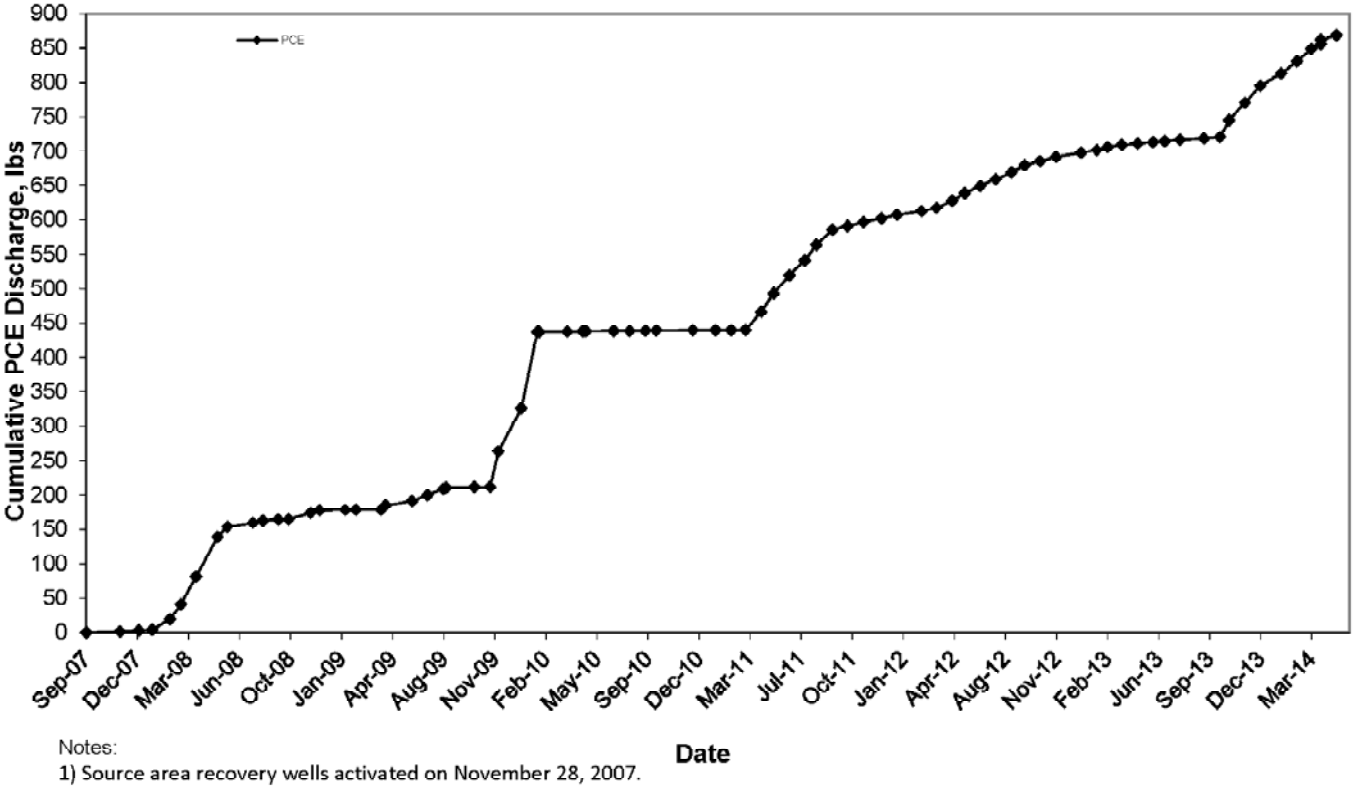
Emission Unit General Motors LLC (Plant 12 SVE Remediation System)
Cumulative PCE Discharge



Emission Unit General Motors LLC (Plant 12 SVE Remediation System)
Monthly PCE Discharge

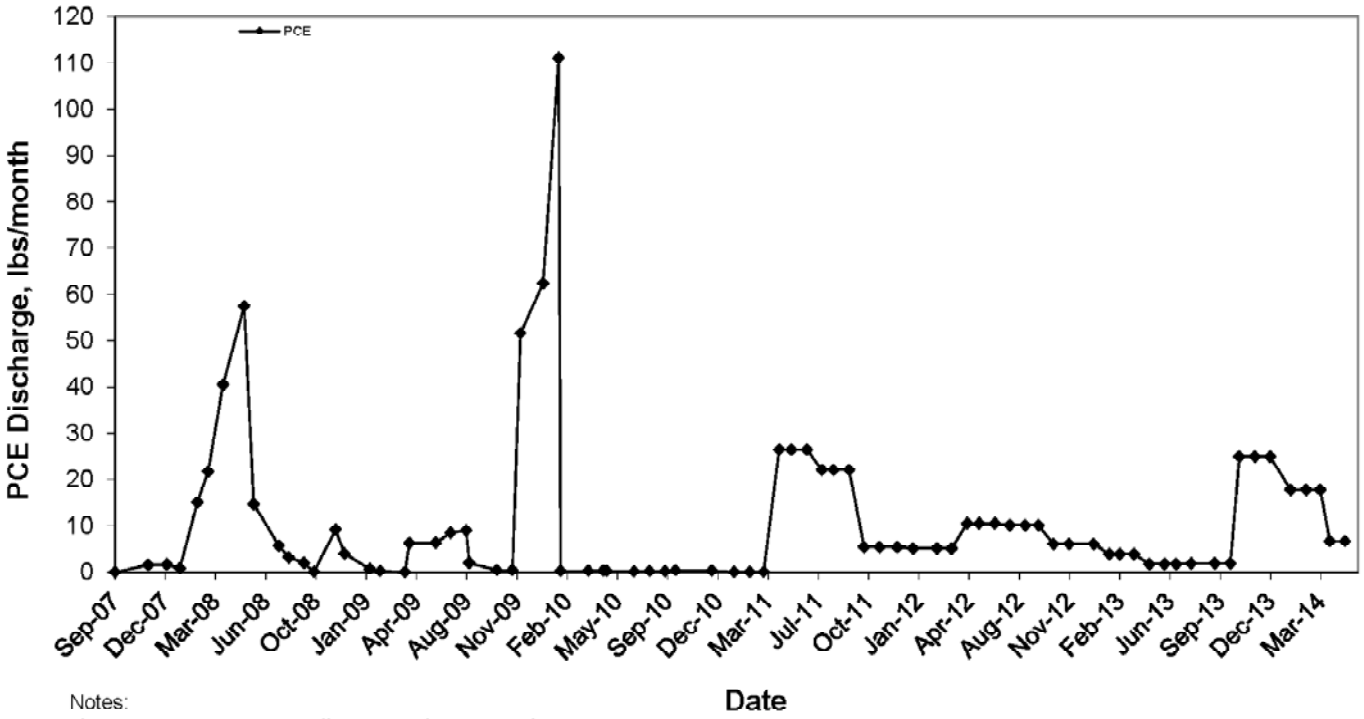


Emission Unit General Motors LLC (Plant 12 Air Stripper)
Cumulative PCE Discharge



Notes:
1) Source area recovery wells activated on November 28, 2007.
2)Water from the source area DNAPL wells was being treated through the air stripper at the time of 4th Quarter 2009 sampling event, resulting in an elevated concentration from the stack.

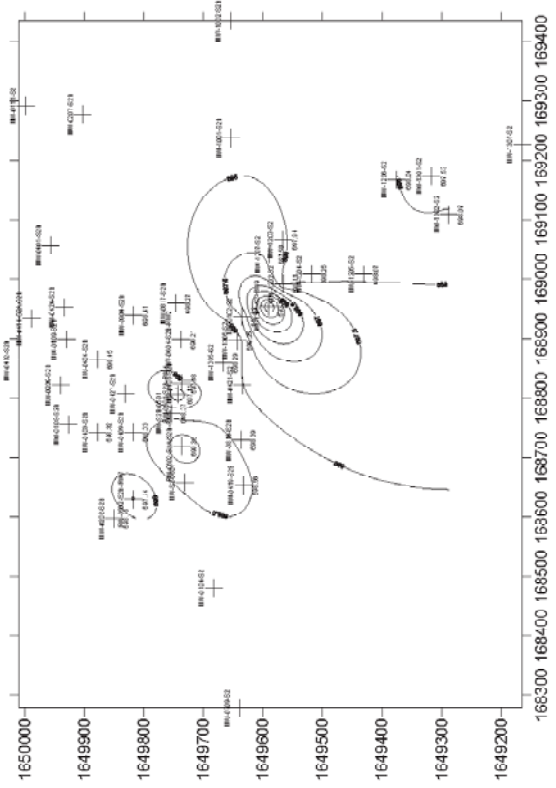
Emission Unit General Motors LLC(Plant 12 Air Stripper)
Monthly PCE Discharge



Notes:
1) Source area recovery wells activated on November 28, 2007.
2)Water from the source area DNAPL wells was being treated through the air stripper at the time of 4th Quarter 2009 sampling event, resulting in an elevated concentration from the stack.

APPENDIX F

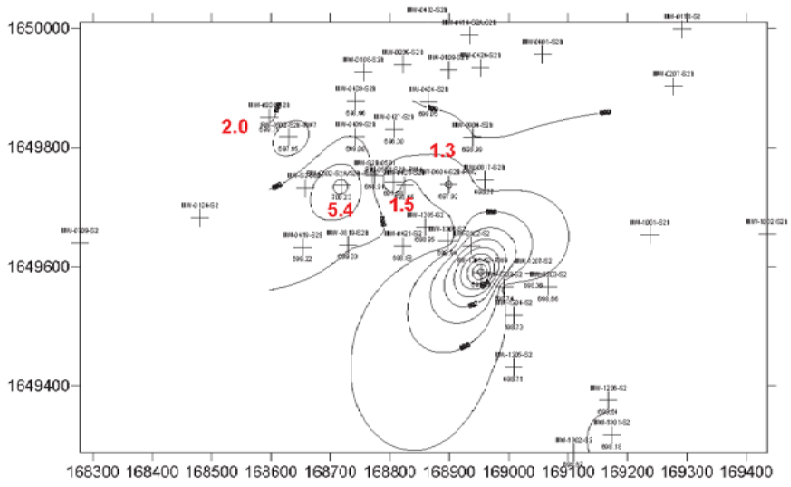
S2B Potentiometric Groundwater Flow - AOI 51: January 31, 2014



695.86 - Groundwater Elevation (ft MSL) from Transducer

695 - Groundwater Elevation Contour (ft MSL)

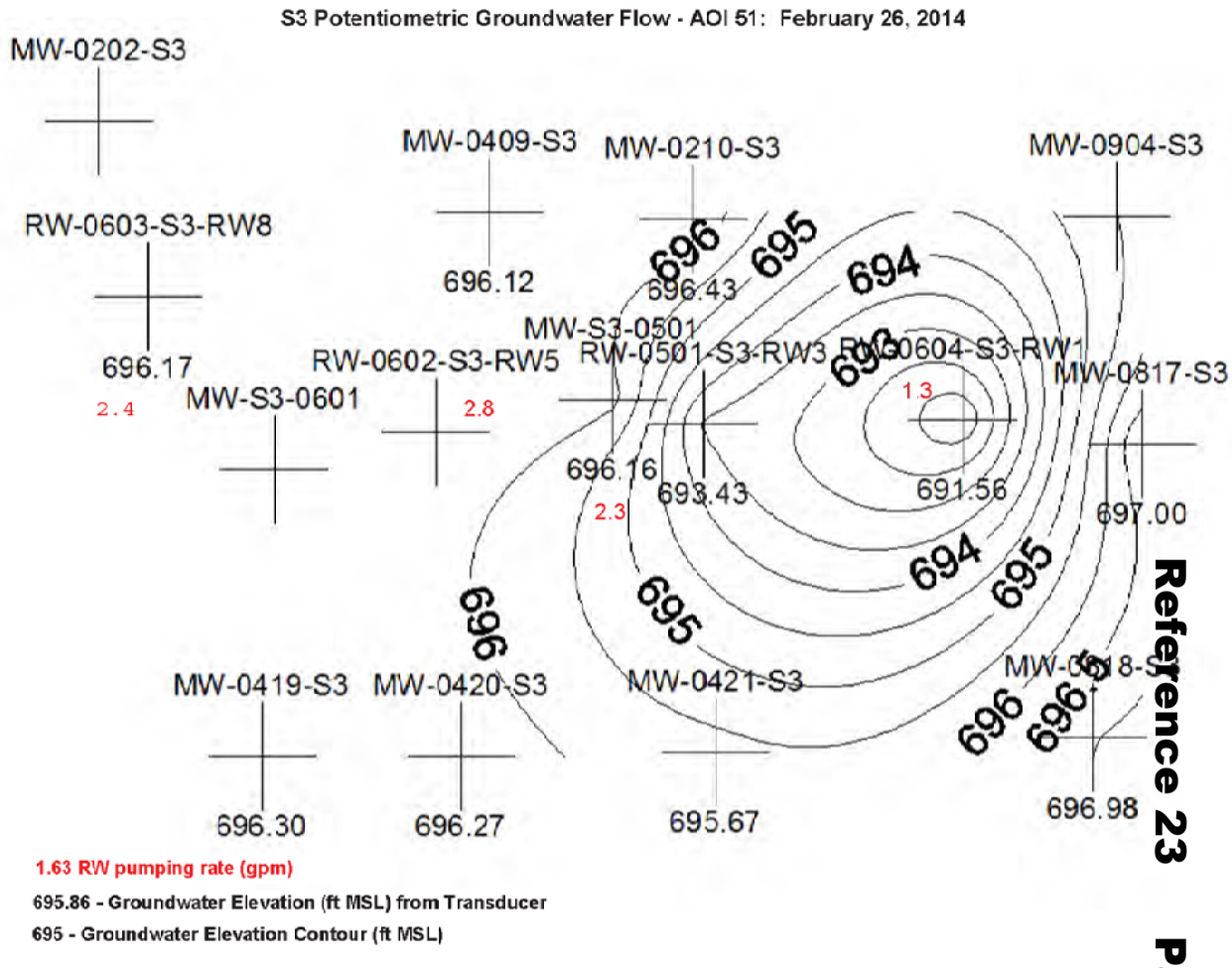
S2B Potentiometric Groundwater Flow - AOI 51: February 26, 2014



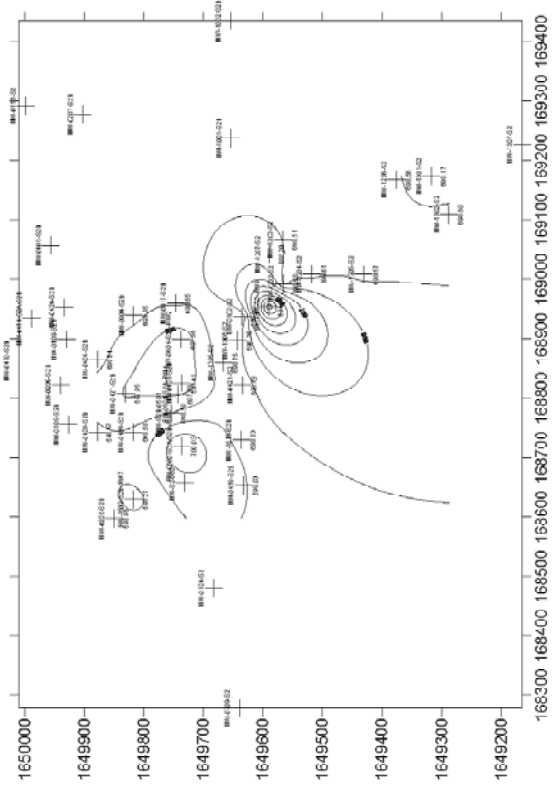
1.63 RW pumping rate (gpm)

695.86 - Groundwater Elevation (ft MSL) from Transducer

695 - Groundwater Elevation Contour (ft MSL)


S3 Potentiometric Groundwater Flow - AOI 51: February 26, 2014
MW-0202-S3
MW-0409-S3
MW-0210-S3
MW-0904-S3
RW-0603-S3-RW8
696.12
696.43
696.17
MW-S3-0501
RW-0602-S3-RW5
RW-0501-S3-RW3
RW-0604-S3-RW1
MW-0817-S3
2.4
MW-S3-0601
2.8
1.3
696.16
693.43
691.56
697.00
2.3
MW-0419-S3
MW-0420-S3
MW-0421-S3
696.30
696.27
695.67
696.98
1.63 RW pumping rate (gpm)
695.86 - Groundwater Elevation (ft MSL) from Transducer
695 - Groundwater Elevation Contour (ft MSL)

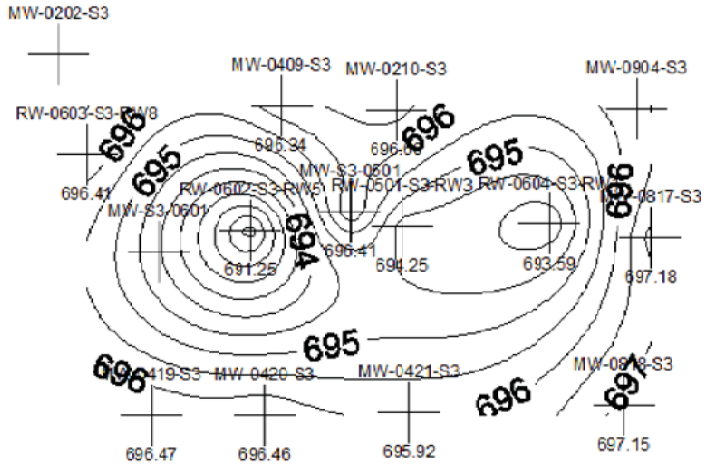
S2B Potentiometric Groundwater Flow - AOI 51: March 17, 2014



695.86 - Groundwater Elevation (ft MSL) from Transducer

695 - Groundwater Elevation Contour (ft MSL)

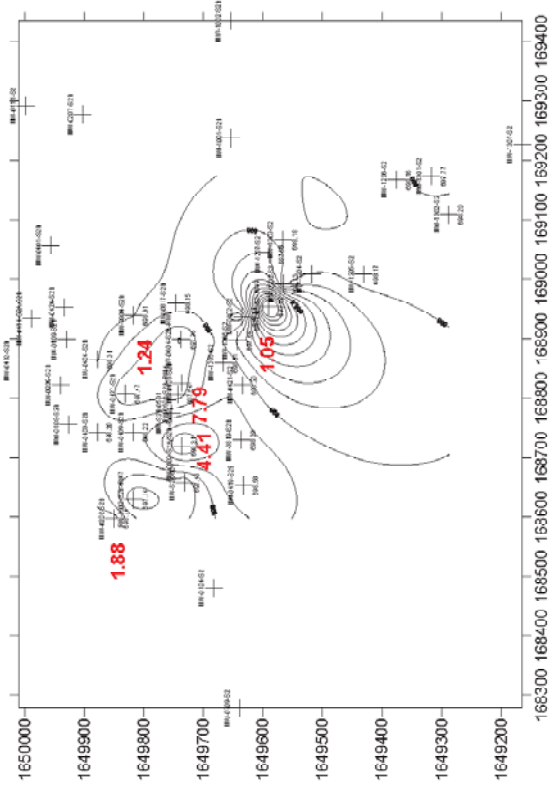
S3 Potentiometric Groundwater Flow - AOI 51: March 17, 2014



695.86 - Groundwater Elevation (ft MSL) from Transducer

695 - Groundwater Elevation Contour (ft MSL)

S2B Potentiometric Groundwater Flow - AOI 51: April 1, 2014

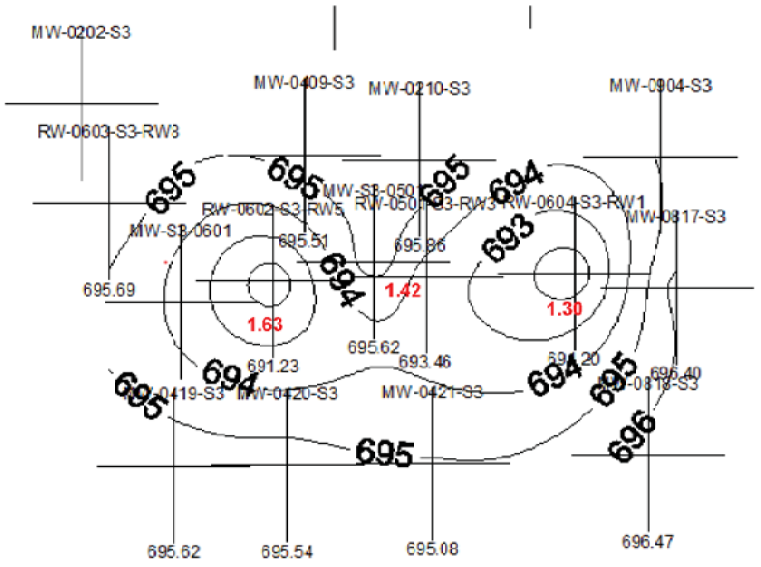


1.63 RW pumping rate (gpm)

695.86 - Groundwater Elevation (ft MSL) from Transducer

695 - Groundwater Elevation Contour (ft MSL)

S3 Potentiometric Groundwater Flow - AOI 51: April 1, 2014

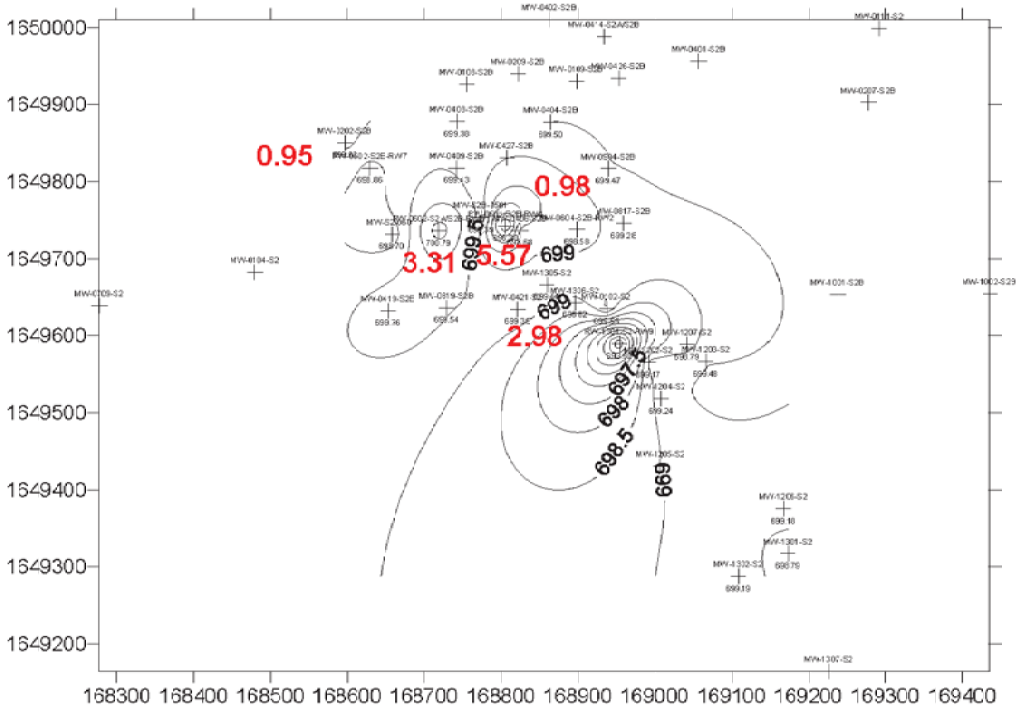


1.63 RW pumping rate (gpm)

695.86 - Groundwater Elevation (ft MSL) from Transducer

695 - Groundwater Elevation Contour (ft MSL)

S2B Potentiometric Groundwater Flow - AOI 51: May 28, 2014

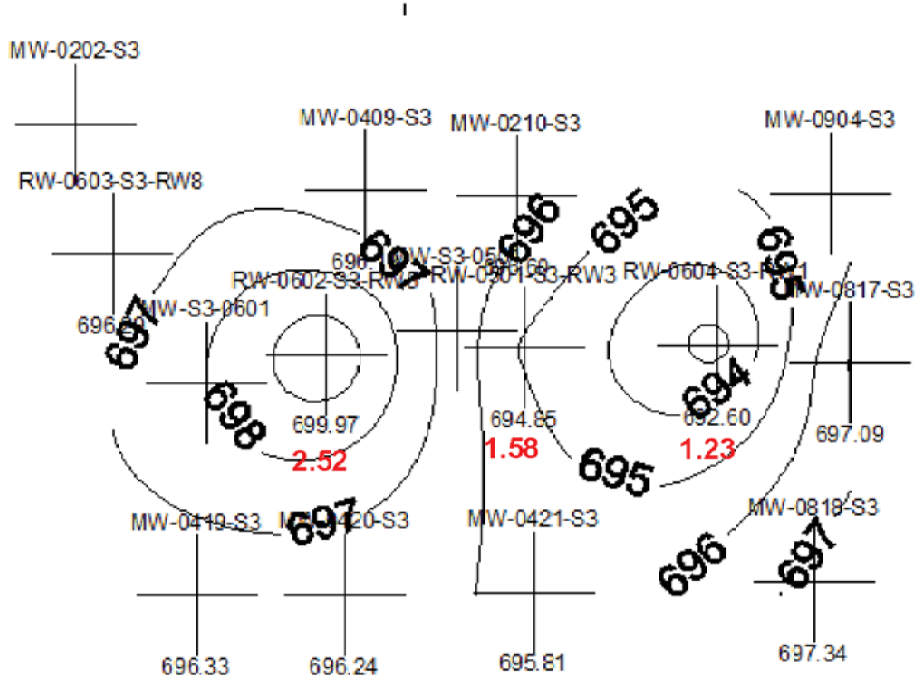


0.95 - RW pumping rate (gpm)

698.70 - Groundwater Elevation (ft MSL) - from Transducer

698 - Groundwater Elevation Contour (ft MSL)

S3 Potentiometric Groundwater Flow - AOI 51: May 28, 2014

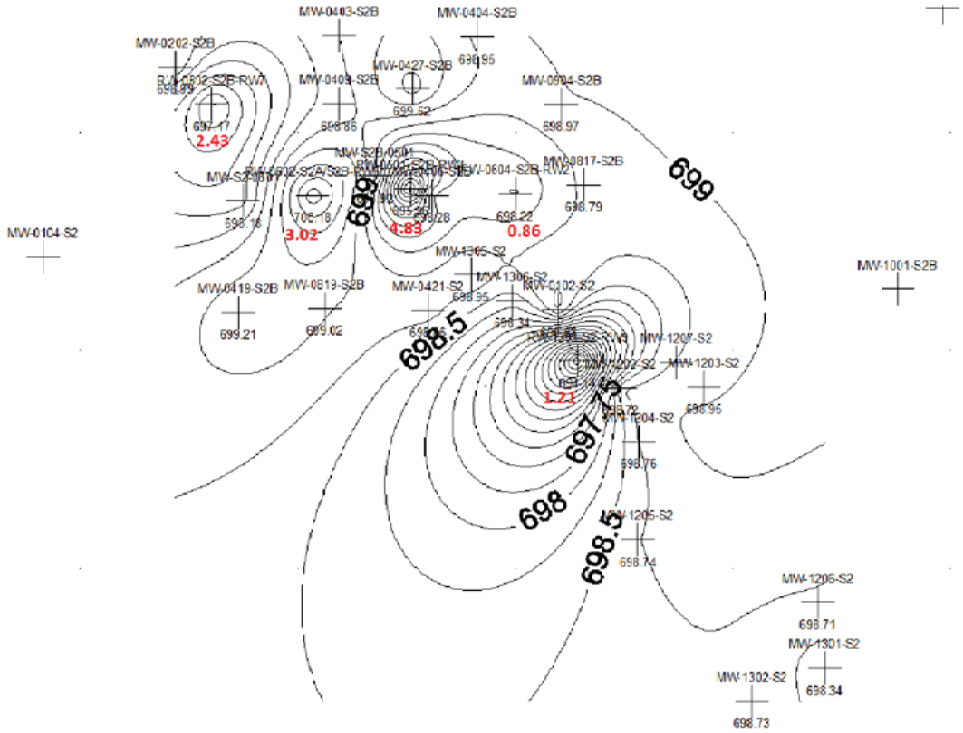


0.95 - RW pumping rate (gpm)

698.70 - Groundwater Elevation (ft MSL) - from Transducer

698 - Groundwater Elevation Contour (ft MSL)

S2B Potentiometric Groundwater Flow - AOI 51: June 23, 2014

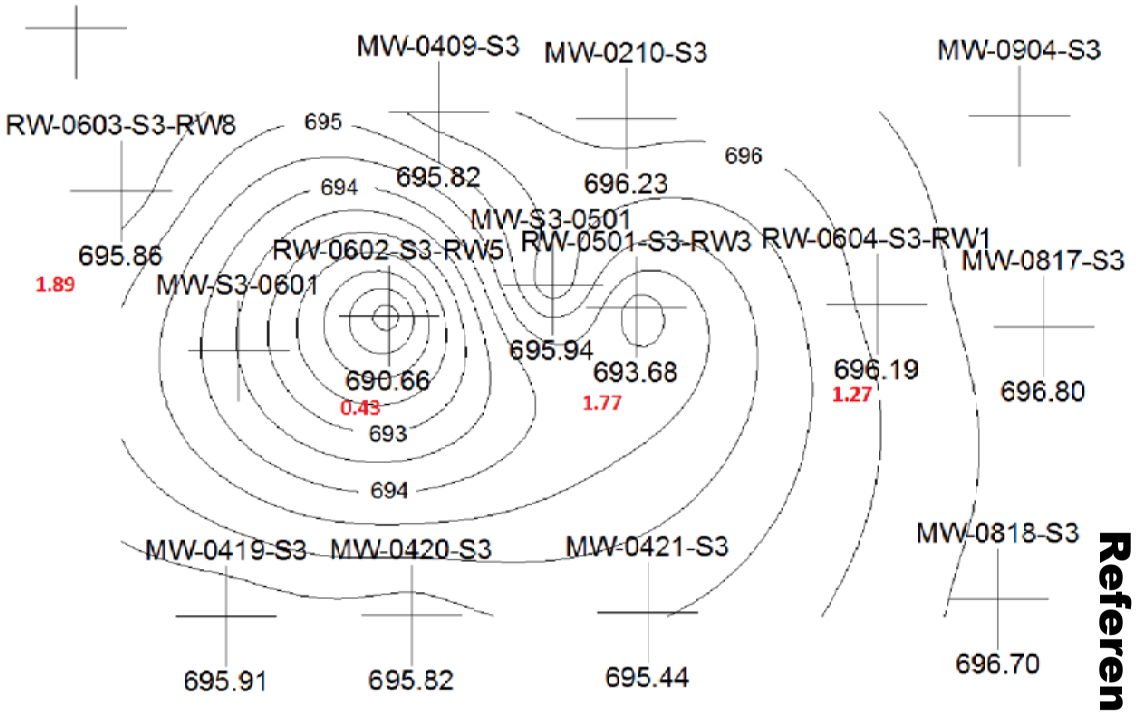


1.63 RW pumping rate (gpm)

695.86 - Groundwater Elevation (ft MSL) from Transducer

695 - Groundwater Elevation Contour (ft MSL)

S3 Potentiometric Groundwater Flow - AOI 51: June 23, 2014



1.63 RW pumping rate (gpm)

695.86 - Groundwater Elevation (ft MSL) from Transducer

695 - Groundwater Elevation Contour (ft MSL)